

JINDŘICH HENRY KOPEČEK

UNIVERSITY OF UTAH

DEPARTMENT OF MOLECULAR PHARMACEUTICS
DEPARTMENT OF BIOMEDICAL ENGINEERING

SALT LAKE CITY, UTAH 84112

Phone: (801) 581-7211

e-mail: Jindrich.Kopecek@utah.edu

homepage: <https://kopeceklab.com/>

EDUCATION

M.S. Macromolecular Chemistry, Institute of Chemical Technology, Prague, Czechoslovakia, 1961

Ph.D. Macromolecular Chemistry, Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague, Czechoslovakia, 1965

Postdoctoral Fellow, National Research Council of Canada, Division of Applied Chemistry, Ottawa, Ontario, 1967-1968

D.Sc. Chemistry, Czechoslovak Academy of Sciences, Prague, Czechoslovakia, 1990

APPOINTMENTS

Distinguished Professor of Biomedical Engineering, Distinguished Professor of Molecular Pharmaceutics, University of Utah, 2002 to present

Chairman, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1999 to 2004

Professor of Bioengineering, Professor of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1989 to 2002

Adjunct Professor of Materials Science and Engineering, University of Utah, 1987 to 2010

Co-Director, Center for Controlled Chemical Delivery, University of Utah, 1986 to 2017

Director, Center for Controlled Chemical Delivery, University of Utah, 2017 to present

Visiting Professor: Université Paris-Nord, 1983, 2000; University of Utah 1986-1988; Academy of Sciences of the Czech Republic, 1995; Tokyo Women's Medical University, 2000.

Head, Laboratory of Biodegradable Polymers, Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague 1980-1988

Member, Committee on New Polymers, Ministry of Health, Czechoslovakia 1976-1986 (approval of clinical uses of polymeric materials)

Head, Laboratory of Medical Polymers, Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague 1972-1980

Research Scientific Officer, Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague 1965-1967 and 1969-1972

AWARDS

Presidia of the Czechoslovak and USSR Academies of Sciences 1977
Chemical Section, Czechoslovak Academy of Sciences 1972, 1975, 1977, 1978, 1985
Barré's Lecture, Université de Montreal, 1990
Opening Lecture, 34th IUPAC International Symposium on Macromolecules, Prague, 1992
Program Chairman, 19th International Symposium on Controlled Release of Bioactive Materials, Orlando, Florida, 1992
Distinguished Research Award, University of Utah, 1993
AAPS Fellow, American Association of Pharmaceutical Scientists, 1994
AIMBE Fellow, American Institute for Medical and Biological Engineering, 1995
Huntsman Cancer Institute, Member, since 1995
Clemson Award for Basic Research, Society for Biomaterials and Clemson University, 1995
Controlled Release Society Member of Board of Governors 1988-1991
 Vice President 1993-1994
 President-Elect 1994-1995
 President 1995-1996
Distinguished Lectureship, Nagai Foundation Tokyo, 1997
Czech Learned Society, Honorary Member, 1998
Founders Award, Controlled Release Society, 1999
J. Heller Award for Best Paper in the Journal of Controlled Release, 1999
Fellow of Biomaterials Science and Engineering, International Union of Societies of Biomaterials Science and Engineering, 1999
Millennial Pharmaceutical Scientist Award, Millennial World Congress of Pharm. Sciences, 2000
Paul Dawson Biotechnology Award, American Association of Colleges of Pharmacy, 2001
Distinguished Professor, University of Utah, 2002
J. Heyrovský Honorary Medal for Merit in the Chemical Sciences, Academy of Sciences of the Czech Republic, 2003
NIH Biomaterials and Biointerfaces Study Section, Chair, 2003-2006
Chair, Gordon Research Conference on Drug Carriers in Medicine and Biology, 2004
Busse Lectures, University of Wisconsin, 2006
Distinguished H. Morawetz Lecture, Brooklyn Polytechnic University, 2006
Distinguished International Scientist Award, Japanese Biomaterials Society, 2006
Honorary Professorship, Sichuan University, China, 2007
CIMA Lecture, University of Minnesota, 2009
Honorary Co-Chair, 73th Prague Meeting on Macromolecules, "New Frontiers in Macromolecular Science", 2009
Plenary Lecture, 36th Annual Meeting of the Controlled Release Society, Copenhagen, 2009
CRS Fellow, Controlled Release Society, 2010
Lifetime Achievement Award, Journal of Drug Targeting, 2011
US National Academy of Engineering, Elected Member, 2011
Honorary Chair, 76th Prague Meeting on Macromolecules, "Polymers in Medicine 2012"
Doctor of Philosophy honoris causa, University of Helsinki, Finland, 2014
Distinguished Mentor Award, University of Utah, 2017
Albert Nelson Marquis Lifetime Achievement Award, 2017
Best Research Paper Award, European Journal of Pharmaceutical Sciences, 2017
T. & A. Higuchi Memorial Lectureship Award, Academy of Pharmaceutical Science and Technology, Japan, 2018
International Fellow, Academy of Pharmaceutical Science and Technology, Japan, 2018
US National Academy of Inventors, Elected Fellow, 2018
Opening Plenary Lecture, 9th International Symposium on Polymer Chemistry, Changchun, China, 2025

EDITORIAL BOARD MEMBERSHIPS

Polymers in Medicine (Wroclaw), 1973-1996
New Polymeric Materials, 1986-1998
Journal of Bioactive and Compatible Polymers, 1986-2005
Polymer Gels and Networks, 1992-1998
Bioconjugate Chemistry, 1993-2013
Pharmaceutical Research, 1995-2006
The AAPS Journal (formerly AAPS PharmSci), 1999-2005
Biomacromolecules, 2007-2019
Molecular Pharmaceutics, 2010-2019
Biomaterials, 1980-2023
Critical Reviews in Therapeutic Drug Carrier Systems, since 1981
Journal of Controlled Release, since 1984
Journal of Biomaterials Science: Polymer Edition, since 1987
Drug Delivery, since 1991
European Journal of Pharmaceutics and Biopharmaceutics, since 1992
Advanced Drug Delivery Reviews, since 2001
Journal of Drug Delivery Science and Technology (formerly STP Pharma Sciences), since 2002
European Journal of Pharmaceutical Sciences, since 2002
Current Drug Delivery, since 2004
Macromolecular Bioscience, since 2009
Czech and Slovak Pharmacy Journal, since 2012

REVIEWER

Journals: ACS Applied Materials & Interfaces; ACS Macro Letters; ACS Nano; Accounts of Chemical Research; Acta Biomaterialia; Advanced Drug Delivery Reviews; Advanced Functional Materials; Advanced Materials; Angewandte Chemie International Edition; Bioconjugate Chemistry; Biomacromolecules; Biomaterials; Biotechnology Advances; Cancer Research; Chemical Reviews; Chemical Society Reviews; Chemistry - A European Journal; Colloids and Surfaces: Biointerfaces; Drug Delivery; European Journal of Pharmaceutical Sciences; European Journal of Pharmaceutics and Biopharmaceutics; European Journal of Pharmaceutical Sciences; Journal of American Chemical Society; Journal of Biomaterials Science, Polymer Edition; Journal of Biomedical Materials Research; Journal of Controlled Release; Journal of Carbohydrate Chemistry; Journal of Drug Targeting; Journal of Gene Medicine; Journal of Medicinal Chemistry; Journal of Pharmaceutical Sciences; Journal of Polymer Science, A: Polymer Chemistry; Langmuir; Macromolecular Bioscience; Macromolecular Chemistry and Physics; Macromolecular Rapid Communications; Macromolecules; Molecular Cancer Therapeutics; Molecular Pharmaceutics; Molecular Therapeutics; Nature Materials; Pharmaceutical Research; Pharmazie; PLOS ONE; Polymer Chemistry; Polymer International; Proceeding of the National Academy of Sciences USA; Progress in Polymer Science; Small; Theranostics.

Agencies: Academy of Sciences of the Czech Republic; Air Force (US) Office of Scientific Research; Belgian Agency for Innovation by Science and Technology; British Columbia Health Research Foundation; Canadian Institutes for Health Research; Czech Science Foundation; DoD; ETH Zurich Research Commission, Switzerland; Finish Academy of Sciences; NIH; Netherlands Organization for Scientific Research (NWO); NSF; Ohio Cancer Research Associates; Petroleum Research Fund; University of Nebraska Technology Development Corporation; University of Utah; US-Israel Binational Science Foundation.

Promotion and Tenure: Evaluation of faculty promotion files from numerous Universities worldwide.

SOCIETIES

Controlled Release Society
Biomaterials Society
American Chemical Society
American Association for Cancer Research
American Association of Pharmaceutical Scientists

RESEARCH INTERESTS

Biorecognition of Macromolecules; Bioconjugate Chemistry; Drug Delivery Systems; Self-Assembly of Macromolecules.

H-INDEX AND CITATIONS (Google Scholar 12/08/2025)

H-index: 106; citations: 41,107; i10-index: 422

RESEARCH GRANTS (total costs; University of Utah) My total grant support (1988-present) was >\$25 million

Current

Bioscientific Innovations from Cancer Engineering Partnership (BICEPS) Engineering Biparatopic Antibody-Peptide Conjugate Targeting CD47/CD38 to Treat Multiple Myeloma (J. Kopeček, D. Sborov, Co-PIs)	07/01/2025 – 06/30/2026 \$40,000
Drug-Free Macromolecular Therapeutics RO1 CA246716 (PI: J. Kopeček) NIH/NCI Competing renewal (2025-2030) received a 1% ranking in the INN Study Section	12/01/19-11/30/25 \$1,744,220
Hematology Disease Center Pilot Projects Huntsman Cancer Institute (J. Kopeček, PI)	07/01/24-12/09/2025 \$165,000

Completed Research Support

Shots-on-Goals Grant (From DFMT to MATCH) College of Pharmacy, University of Utah (J. Kopeček, PI)	12/01/24-06/30/25 \$50,000
Unrestricted industrial support (J. Kopeček, PI)	\$50,000
Backbone-degradable Polymer-drug Conjugates for Treatment of Alzheimer Disease Alzheimer Association (Co-PIs: J. Yang, D. Cross; J. Kopeček, Co-I)	07/01/22-01/31/25 \$150,000
Multivalent Polymer-Peptide Antagonist (MPPA) Capable of Superior PD-L1 Inhibition Compared to Existing PD-L1 Antibodies Nanotechnology Characterization Laboratory (NIH/NCI; J. Kopeček, PI) This is a federal (NIH) initiative to enhance the translation of basic research. My lab prepares the samples and the Nanotechnology Characterization	12/01/21-08/31/24 value ~\$1,000,000

Laboratory performs preclinical in vitro and in vivo evaluation free of charge. DR5 Targeted Nanoconjugates Project No. 10051950 (J. Kopeček, Co-PI; J. Yang, CoPI) Bastion Biologics	4/15/19-1/31/20 \$68,933
University of Utah Research Instrumentation Fund A United Platform for Multimodal Physicochemical Characterization of Macromolecules and Bioconjugates Funds to purchase an up-to-date chromatography system	5/01/19–4/30/20 \$43,544
Long-Circulating Epirubicin KT-1 Conjugate for Treatment of Solid Tumor Nanotechnology Characterization Laboratory (NIH/NCI; J. Kopeček, PI) This is a federal (NIH) initiative to enhance the translation of basic research. My lab prepared the samples and the Nanotechnology Characterization Laboratory performed preclinical in vitro and in vivo evaluation free of charge.	11/01/17-06/30/21 value ~\$1,000,000
Drug-Free Macromolecular Therapeutics R01 GM095606 (PI: J. Kopeček) NIH/NIGMS	07/01/11-10/31/19 \$2,326,458
Angiopep-2 Mediated Brain delivery for the Treatment of Primary Central Nervous System Lymphoma University of Utah Seed Grant	01/01/18-12/31/18 \$35,000
Albumin-based Combination Therapeutics for the Treatment of B-Cell Lymphomas Project No.: 180303 (PI: J. Kopeček) Huntsman Cancer Institute	07/1/17-06/30/19 \$80,000
Synthesis of KT-1 Project No. 10051449 TheraTarget, Inc.	12/01/18-04/30/19 \$27,300
A Multimodal Imaging Strategy for Preclinical Optimization of Anticancer Nanomedicines F31 CA203476 (J. Kopeček, Mentor) NIH/NCI predoctoral support for D.C. Radford	05/01/16-04/30/18 \$69,000
Project 50503163 Bastion Biologics (PI: J. Kopeček) Rituximab Therapeutics	12/01/16-06/30/17 \$50,000
Backbone Degradable Polymer-Drug Conjugates for the Treatment of Ovarian Cancer R42 CA156933 (PI: J. Kopecek) NIH/CA/STTR Phase II with TheraTarget, Inc.; U of U subcontract	09/01/14-02/28/17 \$995,235 \$560,677
A New Therapeutic Approach for Lymphoproliferative Disorder Huntsman Cancer Institute Seed Grant (J. Kopeček, PI) Award No.: 160305	01/01/16-12/31/16 \$20,000
Long-Circulating Targeted Nanomedicines for Leukemia Treatment Huntsman Cancer Institute Seed Grant (J. Kopeček, Co-I, P. Shami, PI) Award No.: 160304	01/01/16-12/31/16 \$20,000

FRET Imaging Trackable Long-Circulating Biodegradable Nanomedicines for Ovarian Cancer Therapy W81XWH-13-1-0160 (J. Kopeček, PI) Department of Defense Grant	09/01/13-08/31/15 \$372,500
Development of a Coiled-Coil Therapeutic for Non-Hodgkin's Lymphoma F31 CA186237 (J. Kopeček, Mentor) NIH/NCI predoctoral support for J.M. Hartley	06/01/14-05/31/16 \$65,075
Hybridization Mediated Drug Free Macromolecular Therapeutics University of Utah Research Foundation (PI: J. Kopeček)	07/01/13-06/30/14 \$20,000
Double-Targeted Macromolecular Therapeutics for the Treatment of Prostate Cancer R01 CA132831 (PI: J. Kopeček) NIH/NCI	04/01/08-12/31/13 \$1,217,404
Bone Targeted Delivery of Anabolic Agents GM069847 (PI: J. Kopeček) NIH/NIGMS	08/01/04-07/31/13 \$2,313,150
Development of a Novel Gemzar Drug Delivery Construct Huntsman Cancer Institute, IDT Program (PI: J. Kopeček)	08/01/11-12/31/13 \$20,000
Backbone Degradable Polymer-Drug Conjugates for the Treatment of Ovarian Cancer R41 CA156933 (PI: J. Kopeček) NIH/NCI/STTR program Matching Funds from State of Utah	09/01/11-02/28/13 \$90,000 \$40,000
Drug-Free Macromolecular Therapeutics U of U Technology Commercialization Grant (PI: J. Kopeček)	01/01/12-12/31/12 \$35,000
Polymeric Drug Delivery System for Cancer Therapy R01 CA051578 (PI: J. Kopeček) NIH/NCI	09/01/92-04/30/11 \$3,484,990
Supplement to Polymeric Drug Delivery System for Cancer Therapy CA051578-06S1 (PI: J. Kopeček) NIH/NCI	02/01/98-01/31/01 \$118,368
Hybrid Hydrogels Self-Assembled from Graft Copolymers R01 EB005288 (PI: J. Kopeček) NIH/NIBIB	04/01/05-01/31/10 \$1,166,721
Dynamic Hydrogels: Translating Enzyme-Substrate Recognition into Macromolecular Motion U of U Research Foundation (PI: J. Kopeček)	11/01/07-04/30/09 \$48,000
A New Polymer-Drug Combination Therapy for Targeting Ovarian Cancer US-Israel Binational Science Foundation (J. Kopeček, US mentor – junior grant for former student A. David)	10/01/08-09/30/10 Mentor travel costs

Long-Circulating Polymeric Anticancer Nanomedicines Technology Commercialization Grant (PI: J. Kopeček)	01/01/09-12/31/10 \$70,000
Polymer-Peptide Conjugates Industrial (PI: J. Kopeček) Biomeasure	08/01/07-07/31/08 \$25,000
Double-Targeted Macromolecular Therapeutics for the Treatment of Ovarian Cancer W81XWH-04-10900 (PI: J. Kopeček) CDMRP (Department of Defense)	10/01/04-09/30/07 \$897,000
Immunochemotherapy for Ovarian Cancer TW006260 (PI: J. Kopeček) NIH/FIC (FIRCA) Collaboration with Czech Academy of Sciences	11/01/04-10/31/07 \$116,988
Targeting to Lymphocytes Mediated by Synthetic Epitopes R01 CA088047 (PI: J. Kopeček) NIH/NCI	03/01/00-02/28/06 \$1,371,375
Development of Novel Targeted Therapy For Multiple Myeloma (PI: J. Kopeček) Multiple Myeloma Research Foundation	11/01/05-10/31/06 \$100,000
HPMA Copolymer Bioconjugates Industrial (PI: J. Kopeček)	05/01/04-07/31/05 \$50,000
Bioconjugates (PI: J. Kopeček) Industrial	04/01/04-03/31/05 \$97,000
Development of a Polymeric Photosensitizer Light Sciences, Inc. (PI: J. Kopeček)	02/01/98-06/30/03 \$197,673
Degradable Hydrogels for Oral Delivery of Calcitonin R01 GM50839 & EB000251 (PI: J. Kopeček) NIH/NIGMS & NIBIB	04/01/95-12/31/03 \$1,553,621
Biorecognizable Sugar Polymers for the Local Treatment of Colon Cancer (US PI: J. Kopeček) US-Israel Binational Science Foundation	11/30/99-10/31/02 \$29,300
Bioadhesive Polymers for Treatment of Colon Disease R01 DK039544 (PI: J. Kopeček) NIH/NIDDK	03/01/88-11/30/02 \$1,468,000
Bioadhesive Polymer Conjugates with Anticancer Activity PA-95-011 (PI: J. Kopeček) NIH/FIC (FIRCA) Collaboration with Czech Academy of Sciences	09/01/98-08/31/01 \$75,000

Hybrid Hydrogels with Swelling Transitions Modulated by Protein Domains (PI: R. Stewart, J. Kopeček, Co-PI) NSF 9807287	08/01/98-07/31/01 \$552,130
Polymers for Protein Modification (Formerly: Vitamin B12 Delivery System) (PI: J. Kopeček) Industrial – Amgen	02/01/93-03/31/00 \$401,090
Macromolecular Analysis Station University of Utah Research Foundation (PI: J. Kopeček)	07/01/98-06/30/99 \$40,000
Genetically Engineered Biomaterials (PI: J. Kopeček) Center of Biopolymers at Interfaces, U of U	10/01/97-09/30/99 \$40,000
Two-Step Targeted Delivery of HPMA Copolymer-Drug Conjugates with Combination Therapy to Human Ovarian Carcinoma CRDF RN1-411 (PI: J. Kopeček)	10/01/97-09/30/99 \$11,400
Photocontrol of Aggregation, Absorption and Biorecognition of Macromolecules (PI: J. Kopeček) Center of Biopolymers at Interfaces, U of U	01/01/98-12/31/98 \$15,600
Biomaterials with Predetermined 3D Structures Center of Biopolymers at Interfaces, U of U (PI: J. Kopeček)	12/01/96-11/30/98 \$13,500
Light Microscopy and Image Analysis Station University of Utah Research Foundation (PI: J. Kopeček)	07/01/96-06/30/97 \$44,000
Evaluation of Hydrophilic Taxol Derivatives Industrial (PI: P. Kopečková; J. Kopeček, Co-PI)	01/31/96-05/31/97 \$150,000
Attachment of Hyaluronate to Surfaces and to PolyHPMA Center of Biopolymers at Interfaces, U of U (PI: J. Kopeček)	10/01/96-09/30/97 \$24,000
Accumulation and Distribution of Polymer-Adriamycin Conjugates in Solid Tumors Huntsman Cancer Institute (PI: J. Kopeček)	07/01/96-06/30/97 19,090
New Family of Amphiphilic Polymers (PI: J. Kopeček) Collaboration with Czech Academy of Sciences	08/01/94-07/31/97 \$66,000
Physical Properties of Proteins and Polynucleotides NIH/NIGMS GM008393 (PI: J. Kopeček) Training grant supporting 7 students/year	07/01/91-06/30/96 \$830,000
Photochemical Modification of Biomaterials Surfaces Center of Biopolymers at Interfaces, U of U (PI: J. Kopeček)	12/01/95-11/30/96 \$12,750
Polymeric Anticancer Drugs for Treatment of Multidrug Resistant Cells	07/01/94-06/30/96

University of Utah Research Foundation (PI: J. Kopeček) Unrestricted industrial support (J. Kopeček, PI)	\$90,000 01/01/88-12/31/96 \$375,000
Bioconjugate Absolute Molecular Weight Detection System University of Utah Research Foundation (PI: J. Kopeček)	07/01/94-06/30-95 \$51,700
Targeting of Macromolecular Prodrugs to B Lymphocytes Industrial (PI: J. Kopeček)	08/01/93-05/31/94 \$76,600
Insulin Absorption Industrial (PI: J. Kopeček)	07/01/90-06/30/93 \$520,000
Light Controlled Adsorption of Macromolecules Center of Biopolymers at Interfaces, U of U (PI: J. Kopeček)	12/01/92-11/30/93 \$24,000
Center for Controlled Chemical Delivery State of Utah Centers of Excellence (PI: S.W. Kim; Co-PI: J. Kopeček)	04/01/89-06/30/93 \$400,000
Dionex BioLC Chromatography System University of Utah Research Foundation (PI: J. Kopeček)	07/01/90-06/30/91 \$30,000
Synthetic Vaccines CONRAD (PI: J. Kopeček)	11/01/90-06/30/91 \$27,300
Regulation of Receptor Binding Army Research Office (PI: J.D. Andrade; Co-PI: J. Kopeček)	10/01/89-09/30/91 \$447,000
Activation of Proenzymes Adsorbed at Soli-Liquid Interfaces Center of Biopolymers at Interfaces, U of U (PI: J. Kopeček)	05/01/90-12/31/91 \$30,000
Optically Controlled Ligand Delivery University Research Committee (PI: J. Kopeček)	11/30/89-10/31/90 \$4,300
Protein Delivery to the Colon (PI: J. Kopeček) Industrial	02/01/89-06/30/90 \$155,800
Targetable Photoactivatable Drugs Biomed. Res. Support Committee	10/01/88-09/30/89 \$4,995
The Potential of Brush Border Enzymes in Oral Drug Delivery College Research Committee (PI: J. Kopeček)	08/01/89-07/31/90 \$3,900
Susceptibility of Proteins Adsorbed at the Solid-Liquid Interface to Enzymically Catalyzed Hydrolysis Center of Biopolymers at Interfaces, U of U (PI: J. Kopeček)	11/01/88-10/31/90 \$30,000
Polymeric Enhancers Industrial (PI: J. Kopeček)	02/01/88-01/31/89 \$147,000
Drug Carrier Research	02/01/87-01/31/89

Industrial (PI: J. Kopeček)

\$50,000

SUPERVISION OF STUDENTS/COWORKERS (FROM 1988)

Mentor of Ph.D. Dissertations

Hung-Reng Lin (Homer Yen), Optically Controlled Ligand Delivery, Department of Materials Science and Engineering, University of Utah, 1991.

Helle Brøndsted, Hydrogels for Colonic Peptide Delivery, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1991.

Nancy L Krinick, Combination Polymer Drugs as Anticancer Agents, Department of Bioengineering, University of Utah, 1992.

Ping-Yang Yeh, Biodegradable Hydrogels for Colon-Specific Oral Delivery of Proteins, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1994.

Hsin-Cheng Chiu, Interactions for Macromolecules with Enzymes: Implications of the Development of Soluble Polymeric Drug Conjugates, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1994.

David A. Putnam, Biorecognizable Polymer Conjugates Containing 5-Fluorouracil for the Treatment of Colon Cancer, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1995.

Hamid Ghandehari, Oral Colon-specific Drug Delivery: Biodegradable Hydrogel System and Colonic Permeability Characteristics, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1996.

Hui-Rong Shen, Contributions to the Study of the Mechanism of Photodynamic Crosslinking of Proteins, Department of Bioengineering, University of Utah, 1998.

Jane-Guo Shiah, Polymeric Anticancer Drugs: Design, Characterization and Activity toward Human Ovarian Carcinoma in Nude Mice, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1998.

Susan Wroblewski, Biorecognizable Lectin-HPMA Copolymer Conjugates: Design, Synthesis and Characterization, Department of Bioengineering, University of Utah, 2000.

Chun Wang, Hybrid Hydrogels Assembled from Synthetic Polymers and Engineered Protein Domains, Department of Bioengineering, University of Utah, 2001.

Ayelet David, Targetable HPMA Copolymer Conjugates: Synthesis, Biorecognition, and Cytotoxicity in Human Colon Adenocarcinoma and Hepatocarcinoma Cells, (co-mentored with Prof. Abraham Rubinstein), The Hebrew University of Jerusalem, Israel, 2001.

Kirk Fowers, Biological Recognition as a Key to Treatment Specificity: from Complement Inhibition to Anti-P-Glycoprotein Targeting of Multidrug Resistant Carcinoma, Department of Bioengineering, University of Utah, 2002.

Keith Jensen, The Internalization and Fate of HPMA Copolymers and Antisense – HPMA Copolymer Conjugates in Hep G2 Cells, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2002.

Aijun Tang, A Lymphocyte-Targeting Polymeric Drug Delivery System Mediated by Receptor-Binding Epitopes: Design, Synthesis and Characterization, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2002.

- Monica Tijerina, Evaluation of Cellular Responses to Photodynamic Therapy with HPMA Copolymer-Mce₆ Conjugates in Human Ovarian Carcinoma Cells, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2002.
- Thomas Merdan, Polyethyleneimine and Its Derivatives: Investigation of *In Vivo* Fate, Subcellular Trafficking and Development of Novel Vector Systems, (co-mentored with Prof. Thomas Kissel), Philipps University, Marburg, Germany, 2003.
- Aparna Nori, Design, Synthesis and Evaluation of HPMA Copolymers-TAT Conjugates as Potential Carriers for Drug Delivery, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2005.
- Chunyu Xu, Protein-based Hydrogels Self-assembled from genetically Engineered Triblock Polypeptides Containing Coiled-Coil Domains, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2006.
- Hui Ding, Identification of Peptides Targeting CD21 Receptor and Investigation of the Binding of HPMA Copolymer-Peptide Conjugates, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2006.
- Vaikunth Cuchelkar, Strategies for Enhancing the Photodynamic Effect of *N*-(2-Hydroxypropyl)methacrylamide Copolymer Bound Mesochlorin e₆, Department of Bioengineering, University of Utah, 2008.
- Padmanabh Chivukula, Design, Synthesis and Evaluation of Biodegradable Hydrogels and Novel Polymeric Nanocarriers for the Treatment of Colorectal Cancer, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2008.
- Songqi Gao, Colon-Specific Delivery of HPMA Copolymer-9-Aminocamptothecin Conjugates for the Treatment of Colon Cancer, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2008.
- Jarunee Hongrapipat, Binary Combinations of HPMA Copolymer Bound Anticancer Drug Conjugates, (co-mentored with Prof. Sompol Prakongpan), Mahidol University, Bangkok, Thailand, 2008.
- Russell Johnson, Multivalent Strategies Targeting the B-cell Antigen CD20, Department of Bioengineering, University of Utah, 2009.
- Kuangshi Wu, Molecular Biorecognition of Coiled-Coil Motifs in the Construction of Hybrid Hydrogels and Drug-Free Macromolecular Therapeutics, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2010.
- Larisa Radu-Wu, Beta-Sheet Peptide-Mediated Self-Assembly of HPMA Copolymers into Nanostructured Biomaterials, Department of Bioengineering, University of Utah, 2010.
- Yan (Zoe) Zhou, Combination Nanomedicine Targeting Cancer Stem Cells and Bulk Tumor Cells for Treatment of Prostate Cancer, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2014.
- Zhenghong (Joseph) Peng, Stimuli-Responsive Targeted Therapeutics for Treatment of Primary and Metastatic Prostate Cancer, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2014.
- Te-Wei Chu, Drug-Free Macromolecular Therapeutics for Treatment of B-Cell Malignancies, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2015.
- Stewart Low, Micellar Strategies for Targeting Bone Diseases, Department of Bioengineering, University of Utah, 2015.
- Jonathan M. Hartley, Super-Resolution Imaging of Drug-Free Macromolecular Therapeutics, Department of Bioengineering, University of Utah, 2016.

- Jon Doyle Callahan, The Use of HPMA Copolymer Conjugates for the Intracellular Targeting of Anticancer Drugs, Department of Bioengineering, University of Utah, 2017.
- Jiawei Wang, Drug-Free Macromolecular Therapeutics as a B Cell Depletion Strategy, University of Utah, 2021.
- D. Christopher Radford, Receptor Crosslinking to Enhance Cellular Uptake of HPMA Copolymer-Based Anticancer Nanomedicines, University of Utah, 2022.
- M. Thomas Gambles, The Versatile Design of Drug-Free Macromolecular Therapeutics Against B Cell Malignancies. University of Utah, 2023.
- Jiahui Li, Macromolecular Therapeutics for Cancer Treatment: Receptor Crosslinking, Targeted Delivery, and Combination Chemo- Immunotherapy Strategies. University of Utah, 2025.

Mentor of M.S. Theses

- Nancy L. Krinick, Polymer Conjugates Containing Photosensitizable Bonds: 1. Photosensitizable Drugs 2. Photosensitizable Bonds, Department of Bioengineering, University of Utah, 1989.
- Yil Woong Yi, A Thermoplastic Biodegradable Hydrogel Based on Polylactide/PEG/Polylactide Triblock Copolymers, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 1994
- Kirk Fowers, Development of a Fibrinolytic Surface: Specific and Nonspecific Interactions of Plasminogen, Department of Bioengineering, University of Utah, 1995.
- Peter R. Hart, Development of HPMA Copolymer Conjugates for Delivery of a Photosensitizer, Department of Bioengineering, University of Utah, 1998.
- Chun Wang, De Novo Design of Hybrid Hydrogels: Synthetic Polymers Crosslinked by Genetically Engineered Coiled-Coil Protein Domains, Department of Bioengineering, University of Utah, 1998.
- Richard Lu, Design and Feasibility Study of Calcitonin and Polymeric Cathepsin K Inhibitor for Colon Delivery, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2000.
- Christopher Tully, Antibody Mediated Control of Hydrogel Thermal Volume Phase Transition, Department of Materials Science and Engineering, University of Utah, 2004.
- Weiwei Yuan, Smart Hydrogels Containing Adenylate Kinase: Translating Substrate Recognition into Macroscopic Motion, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 2008.
- Stefan G. Krimmer, Synthesis and *In Vitro* Characterization of PCL-PPMA Polymeric Micelles for Drug Delivery (Degree: Diplom-Pharmazeut), Martin-Luther University Halle-Wittenberg. Germany, 2011. Mr. Krimmer was Exchange Student within the Global Pharmaceutics Educational Network.
- Sven Lehsing, Synthesis and In Vitro Evaluation of a Novel Inductor of B-Cell Apoptosis (Degree: Diplom-Pharmazeut), University of Jena, Germany, 2011. Mr. Lehsing was Exchange Student within the Global Pharmaceutics Educational Network.
- Isaac H. Kendell, Harnessing Morpholino Oligonucleotide Hybridization to Optimize the Creation of T Cell Immunotherapeutic Synapses. University of Utah, 2025.

Research/Visiting Faculty

Pavla Kopečková, Ph.D.	Research Professor	1988-2011
Karel Ulbrich, Ph.D.	Adjunct Professor	1987, 1992

Blanka Říhová, Ph.D.	Adjunct Professor	1990, 1992, 1994, 1996, 1997
Čestmír Koňák, Ph.D.	Adjunct Associate Professor	total 2 years in lab 1990-1998
Vladimir Omelyanenko, Ph.D.	Research Associate Professor	1993-1998
Tamara Minko, Ph.D.	Research Assistant Professor	1997-2000
Zheng-Rong Lu, Ph.D.	Research Assistant Professor	1996-2001
Dong Wang, Ph.D.	Research Assistant Professor	1998-2004
Jihua Liu, M.D., Ph.D.	Research Assistant Professor	2005-2010
Huaizhong Pan, Ph.D.	Research Assistant Professor	2005-2012
Jlyuan (Jane) Yang, Ph.D.	Research Professor	2003-present

Postdoctoral Fellows and Visiting Scholars

Ramakrishna Madabhushi, Ph.D.	India	1987-1988
Lubor Fornůšek, Ph.D.	Czech Republic	1988-1989
Martin Příkladný, Ph.D.	Czech Republic	1989-1990
Sven Oscarsson, Ph.D.	Sweden	1989-1991
Koichi Ikesue	Japan	1989-1991
Ramesh Rathi, Ph.D.	India	1990-1996
H.-R. Lin (Homer Yen), Ph.D.	Taiwan	1991-1992
Zhong-Wei Gu	China	1991-1993
Shigeyuki Takada, Ph.D.	Japan	1992-1993
Shigeru Kamei, Ph.D.	Japan	1993-1994
Ping-Yang Yeh, Ph.D.	Taiwan	1994-1995
Christine Gentry, Ph.D.	USA	1994-1997
Emmanuel Akala, Ph.D.	Nigeria	1994-1997
Christine Vauthier, Ph.D.	France	1995-1996
Michal Pechar, Ph.D.	Czech Republic	1996, 2000-2001
Mikhail A. Slinkin, Ph.D.	Russia	1998
Won-Moon Choi, Ph.D.	Korea	1997-1998
Milan Dvořák, Ph.D.	Czech Republic	1997-1998
Marina Demoy, Ph.D.	France	1998-1999
Jane-Guo Shiah, Ph.D.	Taiwan	1998-2000
Shinji Sakuma, Ph.D.	Japan	1999-2001
Yuji Kasuya, Ph.D.	Japan	1999-2001
Nobuhiro Nishiyama, Ph.D.	Japan	2001-2003
Claudia Gervelas, Ph.D.	France	2001-2003
Alexander Malugin, Ph.D.	Russia	2001-2007
Timucin Ugurlu, Ph.D.	Turkey	2008
Kui Luo, Ph.D.	China	2009-2011
Acharaporn (Oi) Duangjai	Thailand	2011-2012
Miloslav Kverka, M.D., Ph.D.	Czech Republic	2013
Mohamed Alaa	Egypt	2013

Yuling Li, Ph.D.	China	2014-2015
Huaizhong Pan, Ph.D.	USA	2014-2016
Rui Zhang, Ph.D.	China	2011-2016
Yixin Feng, Ph.D.	China	2015-2016
Libin Zhang, Ph.D.	China	2015-2017
Susumu Hama, Ph.D.	Japan	2017-2018
Zhou Zhou, Ph.D.	China	2018-2019
Lenka Kotrčová, Ph.D.	Czech Republic	2019
Lian Li, Ph.D.	China	2016-2020
Aparna Shukla, Ph.D.	India	2021
Inush Kalana, Ph.D.	Sri Lanka	2021-2022
Md H. Al Faruque	Bangladesh/Korea	2022-present

Visiting, Exchange and Rotating Students

Bing Li	China	1994-1995
Betina Sørensen	Denmark	1995
Catharina Åserud	Norway	1995-1996
Ayelet David	Israel	1997, 1998, 1999, 2000
Klaus Kunath	Germany	1997-1998
Csanad Varga	USA	1998-1999
Jeroen Bowmeester	The Netherlands	1999-2000
Thomas Merdan	Germany	1999, 2000, 2001, 2002, 2003
Signe Ridderberg	Denmark	1999
Boris Petri	Germany	2000
Timucin Ugurlu	Turkey	2000
Barbara Pecharová	Czech Republic	2000-2001
Lauri Paasonen	Finland	2002
Caroline Kablitz	Germany	2002-2003
Aaron Mohs	USA	2003
Anagha Vaidya	USA	2003
Huifen Gao	USA	2004
Xiaosong Huang	USA	2004
Nicole Tietze	Germany	2004
Heather Pressler	USA	2005
Michael Cross	USA	2006
Crystal Shipley	USA	2006
Ashanni Kuttan	India	2006
Alamelu Mahalingam	India	2007
Jarunee Hongrapipat	Thailand	2005-2007
Shraddha Sadekar	India	2008
Ehud Segal	Israel	2008

Hillevi Bauer	Germany	2008-2009
Solvejg Langer	Germany	2008-2009
Michael Jacobsen	USA	2009-2012
Stefan Krimmer	Germany	2010
Sven Lehsing	Germany	2010-2011
Staffan Berg	Finland	2011
Nick Frazier	USA	2011
Thomas Gambles	USA	2011
Jonathan Falconer	USA	2011
Qian (Susan) Sun	China	2012
Regina Heidchen	Germany	2012-2013
Stefan Rudolph	Germany	2013
Bin Zhang	USA	2013
Haj-Valizadeh Hasan	USA	2013
Ladan Jiracek	USA	2013
Shwan Javdan	USA	2013-2014
Steven Merrill	USA	2013-2014
Anindita Roy	USA	2014
Johannes Betz	Germany	2014-2015
Jiayue (Joy) Feng	USA	2014-2017
Jack Veverka	USA	2015
Keith Arlotta	USA	2015
Uwe Lichtenberg	Germany	2016
Christian Kodele	USA	2016-2018
Sirima Soodvilai	Thailand	2017-2018
Mai Doan	USA	2016-2018
Yachao Li	China	2018-2019
Christian Bode	Germany	2018-2019
Kehinde Salako	Nigeria	2019-2020
Madison Parrot	USA	2021
Thomas McPartlon	USA	2021
Yunyue Zhang	China	2021-2022
Jacob Galang	USA	2022
Youssef Harraq	USA	2022
Youngjae Lee	USA	2022
Jaden Arnold	USA	2021-2023
Mudassir Abbasi	Pakistan	2022-2023
Sophie Hu-Lieskovan	USA	2023-2024
Ivan Wang	USA	2023-2024
Lara Schlickmann	USA	2023-2025
Sára Pytlíková	Czech Republic	2024

Joseph Shami

USA

2025-present

Member of Ph.D./M/S. Supervisory Committees

David W. Grainger	Ph.D., Pharmaceutics	Member, completed 1987
You Han Bae	Ph.D., Pharmaceutics	Member, completed 1988
Xiaoling Li	Ph.D., Pharmaceutics	Member, completed 1991
Lard Hovgaard	Ph.D., Pharmaceutics	Member, completed 1991
Glen Kwon	Ph.D., Pharmaceutics	Member, completed 1991
Chaul Min Pai	Ph.D., Pharmaceutics	Member, completed 1991
Cynthia Goates	Ph.D., Pharmaceutics	Member, completed 1992
Ick Chan Kwon	Ph.D., Pharmaceutics	Member, completed 1993
Todd Darrington	Ph.D., Pharmaceutics	Member, completed 1993
Jenqthun Li	Ph.D., Chemical Eng.	Member, completed 1993
Mahesh Balgat	Ph.D., Medicinal Chemistry	Member; completed 1994
Kristopher James	M.S., Bioengineering	Member, completed 1994
I-Nan Chang	Ph.D., Mat. Sci, & Eng.	Member, completed 1994
Chin-Hu Ho	Ph.D., Mat. Sci, & Eng.	Member, completed 1995
Chrisrine Gentry	Ph.D., Pharmaceutics	Member, completed 1995
Kevin Savory	Ph.D., Bioengineering	Member; completed 1995
Karl Wenger	Ph.D., Bioengineering	Member; completed 1995
Chung-Yih Wang	Ph.D., Bioengineering	Member; completed 1996
Young K. Choi	Ph.D., Pharmaceutics	Member, completed 1996
Dhileep Krishnamurty	Ph.D., Chemistry	Member, completed 1996
Mary Mulder	Ph.D., Bioengineering	Member, completed 1997
Christine Taylor	Ph.D., Bioengineering	Member; completed 1998
Brent Vernon	Ph.D., Pharmaceutics	Member, completed 1998
Zhidong Chen	Ph.D., Pharmaceutics	Member, completed 1998
Chaaya Ramkisoon	Ph.D., Pharmaceutics	Member, completed 1999
Byemong Jeong	Ph.D., Pharmaceutics	Member, completed 1999
Michael Pierce	Ph.D., Bioengineering	Member, completed 1999
Dong Joon Min	Ph.D., Mat. Sci, & Eng.	Member, completed 1999
Ralph Oakeson	Ph.D., Mat. Sci, & Eng.	Member, completed 2000
Qi-Lie Luo	Ph.D., Mat. Sci, & Eng.	Member, completed 2000
Ken Hinds	Ph.D., Pharmaceutics	Member, completed 2000
Wonhee Suh	Ph.D., Pharmaceutics	Member, completed 2001
Robert Larson	Ph.D., Pharmaceutics	Member, completed 2001
Robert Hitchcock	Ph.D., Bioengineering	Member, completed 2001
Trina van Ausdal	M.S., Bioengineering	Member, completed 2001
Mike Manwaring	Ph.D., Bioengineering	Member, completed 2002
Jennifer Neff	Ph.D., Bioengineering	Member, completed 2002
James Cavanaugh	Ph.D., Pharmaceutics	Member, completed 2002

Kelly Kirker	Ph.D., Bioengineering	Member, completed 2003
Roy Smeal	Ph.D., Bioengineering	Member, completed 2003
Xuejun Wen	Ph.D., Bioengineering	Member, completed 2003
Suna Choi	Ph.D., Pharmaceutics	Member, completed 2004
Charu Kanwal	Ph.D., Pharmaceutics	Member, completed 2004
Michael Bridge	Ph.D., Bioengineering	Member, completed 2005
Henan Li	Ph.D., Pharmaceutics	Member, completed 2005
Mark Stevens	M.S., Bioengineering	Member, completed 2005
Sivakumar Ramachandran	Ph.D., Pharmaceutics	Member, completed 2005
Youg-Tae Kim	Ph.D., Bioengineering	Member, completed 2006
Prashant Tathireddy	Ph.D., Chemical Engineering	Member, completed 2006
Jeremy Guo	Ph.D., Pharmaceutics	Member, completed 2007
Vijay Sethuraman	Ph.D., Pharmaceutics	Member, completed 2007
Bing Leng	Ph.D., Bioengineering	Member, completed 2007
Yuda Zong	Ph.D., Pharmaceutics	Member, completed 2008
Anagha Vaidya	Ph.D., Pharmaceutics	Member, completed 2008
Todd Kaneshiro	Ph.D., Pharmaceutics	Member, completed 2008
Xiaoyu Chen	Ph.D., Bioengineering	Member, completed 2008
Mark Eddings	Ph.D., Bioengineering	Member, completed 2008
Huifen Gao	Ph.D., Pharmaceutics	Member, completed 2008
Furong Ye	Ph.D., Pharmaceutics	Member, completed 2009
Rongzuo Xu	Ph.D., Pharmaceutics	Member, completed 2009
Dongin Kim	Ph.D., Pharmaceutics	Member, completed 2009
Mike Cross	Ph.D., Chemistry	Member, completed 2009
Julie Jay	Ph.D., Pharmaceutics	Member, completed 2010
Hui Shao	Ph.D., Bioengineering	Member, completed 2010
Katie Blevins	Ph.D., Bioengineering	Member, completed 2010
Kristina Giantsos	Ph.D., Pharmaceutics	Member, completed 2010
Andy Dixon	Ph.D., Pharmaceutics	Member, completed 2011
Deepa Mishra	Ph.D., Bioengineering	Member, completed 2011
Mark Liddell	Ph.D., Pharmaceutics	Member, completed 2011
Vy My Tran	Ph.D., Bioengineering	Member, completed 2012
Joshua Gustafson	Ph.D., Bioengineering	Member, completed 2012
Zhen Ye	Ph.D., Pharmaceutics	Member, completed 2012
Archana Rao	Ph.D., Pharmaceutics	Member, completed 2012
Nate Larson	Ph.D., Pharmaceutics	Member, completed 2013
Giridhar Thiagarajan	Ph.D., Bioengineering	Member, completed 2013
Brandon Buckway	Ph.D., Pharmaceutics	Member, completed 2013
Shraddha Sadekar	Ph.D., Pharmaceutics	Member, completed 2013
Li Tian	Ph.D., Pharmaceutics	Member, completed 2013
Stelios Florinas	Ph.D., Pharmaceutics	Member, completed 2014

Abood Okal	Ph.D., Pharmaceutics	Member, completed 2014
Robert A. Price	Ph.D., Pharmaceutics	Member, completed 2014
Karthik Raman	Ph.D., Bioengineering	Member, completed 2014
Dallin Hubbard	Ph.D., Bioengineering	Member, completed 2015
Tony Wentai Hsiao	Ph.D., Bioengineering	Member, completed 2015
Azadeh Poursaid	MD/PhD Bioengineering	Member, completed 2016
Darren Stirland	Ph.D., Bioengineering	Member, completed 2016
Nick Frazier	Ph.D., Bioengineering	Member, completed 2016
Dwight Lane	Ph.D., Bioengineering	Member, completed 2017
Joshua P. Jones	Ph.D., Bioengineering	Member, completed 2017
Tram Huynh Ngoc Nguyen	Ph.D., Chem. Engineering	Member, completed 2017
Chieh-Hsiang Yang	Ph.D., Bioengineering	Member, completed 2017
Bharath Velagapudi	Ph.D., Bioengineering	Member, completed 2017
Leland Jack Prather	M.S., Bioengineering	Member, completed 2018
Peng Zhao	Ph.D., Pharmaceutics	Member, completed 2018
Yiling Bi	Ph.D., Medicinal Chemistry	Member, completed 2018
Lucas L. Bennink	Ph.D., Bioengineering	Member, completed 2018
Pouya Hadipour	Ph.D., Pharmaceutics	Member, completed 2018
Elizabeth Pumford	M.S., Bioengineering	Member, completed 2019
Jie Shi Chua	Ph.D., Bioengineering	Member, completed 2019
Kyle Isaakson	Ph.D., Bioengineering	Member, completed 2020
Spencer Judd Brown	Ph.D., Medicinal Chemistry	Member, completed 2020
Brett H. Davis	Ph.D., Bioengineering	Member, completed 2020
Jinya Yin	Ph.D., Chemistry	Member, completed 2021
Nitish Khurana	Ph.D., Pharmaceutics	Member, completed 2021
Zachary Clauss	Ph.D., Bioengineering	Member, completed 2022
Douglas Steinhauff	Ph.D., Bioengineering	Member, completed 2022
Phong Lu	Ph.D., Pharmaceutics	Member, completed 2022
Nithya B. Subrahmanyam	Ph.D., Pharmaceutics	Member, completed 2023
Jemi Ong	Ph.D., Bioengineering	Member, completed 2023
Bhuvaneshkumar Yathavan	Ph.D., Pharmaceutics	Member, completed 2023
Carena Cornelssen	Ph.D., Bioengineering	Member, completed 2024
Matthew Wilson	Ph.D., Bioengineering	Member, completed 2024
Joshua N. Burton	Ph.D., Bioengineering	Member
Matthew Talbot	Ph.D., Bioengineering	Member
Priyanka Arunachalam	Ph.D., Bioengineering	Member
Kholod Elhasany	Ph.D., Pharmaceutics	Member
Debika Ghatak	Ph.D., Pharmaceutics	Member
Adnan Adnan	Ph.D., Pharmaceutics	Member
John Michael Thomas	Ph.D., Bioengineering	Member
Rebecca Patush	Ph.D., Bioengineering	Member
Jaden Arnold	M.S., Bioengineering	Chairman, completed 2023

Jiahui Li	Ph.D., Pharmaceuticals	Chairman, completed 2025
Shannuo Li	Ph.D., Pharmaceuticals	Chairman
Issac Kendell	M.S., Bioengineering	Chairman, completed 2025
Emma Welsh	Ph.D., Bioengineering	Chairman
Alex Madsen	Ph.D., Bioengineering	Member

STUDENT AWARDS

Hamid Ghandehari, CRS-3M Pharmaceuticals Graduate Student Outstanding Research Award in Drug Delivery, 1995

David Putnam, CRS-Capsugel Special Session Award, 1996

Jane-Guo Shiah, Controlled Release Society (CRS)-3M Pharmaceutical Graduate Student Outstanding Research Award, 1998

Chun Wang, CRS-Dow Corning Graduate Student Outstanding Research Award, 1998

Chun Wang, CRS-Capsugel Graduate Student Award, 1998

Ayelet David, CRS-Capsugel Special Session Award, 2000

Ayelet David, CRS Award for Outstanding Graduate Research, 2000

Aijun Tang, Biotechnology Award, American Association of Pharmaceutical Scientists, 2001

Vaikunth Cuchelkar, Best student presentation, 31st International Symposium on Controlled Release of Bioactive Materials, Honolulu, HI, June 12-16, 2004

Vaikunth Cuchelkar, Graduate Fellowship Award, University of Utah, 2005

Padmanabh Chivukula, American Foundation for Pharmaceutical Education Award, 2005, 2006

Kuangshi Wu, American Foundation for Pharmaceutical Education Award, 2007, 2008, 2009

Stewart Low, "Summer Internship Program 2012" Global COE Program "Center for Medical System Innovation". Stipend to study in Prof. Kataoka's lab at the University of Tokyo from July 2 to Aug 24, 2012.

Yan (Zoe) Zhou, Department representative at the 2012 GPEN Conference in Melbourne, Australia November 28-December 1, 2012 (included travel award).

Yan (Zoe) Zhou, University of Utah Graduate Research Fellowship, 2013-2014.

Rui Zhang, Elsevier's Journal of Controlled Release Poster Award at the 16th International Symposium on Recent Advances in Drug Delivery Systems, February 2013.

Steven Merrill, Undergraduate Research Fellowship (UROP) Award, 2013, 2014.

Te-Wei Chu, University of Utah Graduate Research Fellowship, 2014-2015.

Te-Wei Chu, Best Young Scientist Poster Award at the 17th International Symposium on Recent Advances in Drug Delivery Systems in Salt Lake City, June 14-17, 2015.

Jonathan Hartley, Biomaterials Science Outstanding Poster Award at the 13th International Nanomedicine & Drug Delivery Symposium in Seattle, September 16-18, 2015.

Jonathan Hartley, NIH Predoctoral Fellowship (recipient of the F31 grant award) 2014-2016.

Jiayue Feng (Chemistry), Undergraduate Research Fellowship (UROP) Award, 2015.

Jiayue Feng, Undergraduate Research Award from the Department of Chemistry, 2016.

Te-Wei Chu, Travel Award and podium presentation at the AAPS National Biotechnology Conference in San Diego, May 19-21, 2014.

Te-Wei Chu, Best Podium Presentation Award, 2014 GPEN Conference, Helsinki, Finland, August 27-30, 2014.

Shwan Javdan, Undergraduate Research Fellowship (UROP) Award, 2013, 2014.

Shwan Javdan, Selected to present his data at the National Conference on Undergraduate Research, University of Kentucky, April 3-5, 2014 (included travel award).

Shwan Javdan, 1st Place Poster Presentation Award, Department of Bioengineering Annual Conference, 2015.

The publication "HPMA Copolymer-based Combination Therapy Toxic to both Prostate Cancer Stem/Progenitor Cells and Differentiated Cells Induces Durable Antitumor Effects" by **Y. Zhou**, J. Yang, J. Rhim, J. Kopeček published in the Journal of Controlled Release 172, 946-953 (2013) was highlighted as

the TOP STORY in Prostate Cell News 4.36, September 20, 2013. *First author Y. Zhou was a Graduate Student.*

*The publication "Cell Surface Self-Assembly of Hybrid Nanoconjugates via Oligonucleotide Hybridization Induces Apoptosis" by T.-W. Chu, J. Yang, R. Zhang, M. Sima, J. Kopeček published in ACSNano 8, 719-730 (2014) was highlighted in Chemical & Engineering News in January 2014, see <http://cen.acs.org/articles/92/web/2014/01/Nanoconjugates-Trigger-Cancer-Cell-Suicide.html>. *First author T.-W. Chu was a Graduate Student.**

D. Christopher Radford, NIH Predoctoral Fellowship (recipient of the F31 grant award) 2016-2018.

Mai Doan, Undergraduate Research Fellowship (UROP) Award, 2016, 2017

Christian Kodele, Undergraduate Research Fellowship (UROP) Award, 2017

D. Christopher Radford, 3rd Place Oral Presentation Award, Utah Bioengineering Conference 2017

Jiawei Wang, Arcturus Fellowship Award, 2019

D. Christopher Radford, Best Poster Award (sponsored by the Journal of Controlled Release), International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020

Yunyue Zhang Undergraduate Research Fellowship (UROP) Award, 2022

Jaden Arnold, Undergraduate Research Fellowship (UROP) Award, 2022

Jiahui Li, Best Poster in Category Award, Annual Meeting of the Controlled Release Society, Las Vegas, NV, July 24-28, 2023.

Tommy Gambles, Skaggs Fellowship Award, College of Pharmacy, University of Utah, 2022-2023

Shannuo Li, Curci Fellowship Award, Curci Foundation, 2022-2024.

Issac Kendell, Undergraduate Research Fellowship (UROP) Award, 2023, 2024.

Jiahui Li, Best Abstract Award, American Association of Pharmaceutical Scientists (AAPS) Annual Meeting, Salt Lake City, UT, October 20-23, 2024.

Jiahui Li, Best Poster Award, American Association of Pharmaceutical Scientists (AAPS) Annual Meeting, Salt Lake City, UT, October 20-23, 2024.

Shannuo Li, Two Best Abstract Awards, American Association of Pharmaceutical Scientists (AAPS) Annual Meeting, Salt Lake City, UT, October 20-23, 2024.

Shannuo Li, Best Poster Award, American Association of Pharmaceutical Scientists (AAPS) Annual Meeting, Salt Lake City, UT, October 20-23, 2024.

Lara Schlikmann, Undergraduate Research Fellowship (UROP) Award, 2025

Jiahui Li, Best Abstract Award, ImmunoDelivery Focus Group, Annual Meeting of the Controlled Release Society, Philadelphia, PA, July 14-18, 2025.

Yingduo Yang, Curci Fellowship Award, Curci Foundation, 2025-2027.

Shannuo Li, PhMRA Predoctoral Fellowship Award, 2026-2027

PUBLICATIONS

1. J. Kopeček, J. Jokl, D. Lím, Mechanism of Three-Dimensional Polymerization of Glycol Methacrylates (in German). *J. Polym. Sci. C* 16, 3877-3889 (1968).
2. J. Jokl, J. Kopeček, D. Lím, Mechanism of Three-Dimensional Polymerization of the System Methyl Methacrylate - Glycol Dimethacrylate. Determination of the Structure of the Three-Dimensional Product. *J. Polym. Sci. A-1*, 6, 3041-3048 (1968).
3. J. Kopeček, S. Sourirajan, Structure of Porous Cellulose Acetate Membranes and a Method for Improving Their Performance in Reverse Osmosis. *J. Appl. Polym. Sci.* 13, 637-657 (1969).
4. J. Kopeček, S. Sourirajan, Performance of Porous Cellulose Acetate Membranes in Some Reverse Osmosis Experiments. *Ind. Eng. Chem. Prod. Res. Develop.* 8, 274-279 (1969).
5. J. Kopeček, S. Sourirajan, Equisorptic Composition in Reverse Osmosis. *Can. J. Chem.* 47, 3467-3469 (1969).
6. J. Kopeček, Reverse Osmosis (in Czech). *Chem. listy* 63, 1338-1353 (1969).
7. J. Kopeček, S. Sourirajan, Performance of Porous Cellulose Acetate Membranes for the Reverse Osmosis Separation of Organic Liquids. *Ind. Eng. Chem. Process Design Develop.* 9, 5-12 (1970)
8. L. Šprincl, J. Vacík, J. Kopeček, D. Lím, Biological Tolerance of Poly(*N*-Substituted Methacrylamides). *J. Biomed. Mater. Res.* 5, 197-205 (1971).
9. J. Kopeček, D. Lím, Mechanism of Three-Dimensional Polymerization of Glycol Methacrylates. II. The System Glycol Monomethacrylate - Glycol Dimethacrylates – Solvents. *J. Polym. Sci. A-1*, 9, 147-154 (1971).
10. J. Kopeček, J. Vacík, D. Lím, Permeability of Membranes Containing Ionogenic Groups. *J. Polym. Sci. A-1*, 9, 2801-2815 (1971).
11. L. Šprincl, J. Kopeček, D. Lím, Effect of Porosity of Heterogeneous Poly(Glycol Monomethacrylate) Gels on the Healing-in of Test Implants. *J. Biomed. Mater. Res.* 5, 447-458 (1971).
12. J. Kopeček, D. Lím, Mechanism of Three-Dimensional Polymerization of Glycol Methacrylates III. Contribution to the Polymerization Kinetics of the System Diglycol Monomethacrylate - Glycol Dimethacrylates – Water. *Collection Czechoslov. Chem. Commun.* 36, 2703-2707 (1971).
13. J. Kopeček, D. Lím, Mechanism of Three-Dimensional Polymerization of Glycol Methacrylates. IV. The System Triglycol Monomethacrylate - Glycol Dimethacrylates – Water. *Collection Czechoslov. Chem. Commun.* 36, 3394-3398 (1971).
14. L. Šprincl, J. Vacík, J. Kopeček, Biological Tolerance of Ionogenic Hydrophilic Gels. *J. Biomed. Mater. Res.* 7, 123-136 (1973).
15. J. Kopeček, L. Šprincl, H. Bažilová, J. Vacík, Biological Tolerance of Poly(*N*-Substituted Acrylamides). *J. Biomed. Mater. Res.* 7, 111-121 (1973).
16. J. Kopeček, J. Vacík, Effect of Hydrophilic Character of the Polymeric Backbone on Membrane Permeability. *Collection Czechoslov. Chem. Commun.* 38, 854-860 (1973).
17. J. Kopeček, L. Šprincl, D. Lím, New Types of Synthetic Infusion Solutions. I. Investigation of the Effect of Solutions of Some Hydrophilic Polymers on Blood. *J. Biomed. Mater. Res.* 7, 179-191 (1973).

18. L. Šprincl, J. Kopeček, D. Lím, Effect of the Structure of Poly(Glycol Monomethacrylate) Gels on the Calcification of Implants. *Calc. Tiss. Res.* 13, 63-72 (1973).
19. J. Kopeček, H. Bažilová, Poly[*N*-(2-Hydroxypropyl)methacrylamide]. 1. Radical Polymerization and Copolymerization. *Europ. Polym. J.* 9, 7-14 (1973).
20. K. Ulbrich, L. Šprincl, J. Kopeček, Biocompatibility of Poly(2,4-Pentadiene-1-ol). *J. Biomed. Mater. Res.* 8, 155-161 (1974).
21. J. Kopeček, L. Šprincl, Relationship Between the Structure and Biocompatibility of Hydrophilic Gels. *Polymers in Medicine (Wroclaw)* 4, 109-117 (1974).
22. M. Bohdanecký, H. Bažilová, J. Kopeček, Poly[*N*-(2-Hydroxypropyl)methacrylamide]. II. Hydrodynamic Properties of Diluted Polymer Solutions. *Europ. Polym. J.* 10, 405-410 (1974).
23. J. Kopeček, H. Bažilová, Poly[*N*-(2-Hydroxypropyl)methacrylamide]. III. Crosslinking Copolymerization. *Europ. Polym. J.* 10, 465-470 (1974).
24. L. Šprincl, J. Kálal, J. Kopeček, Evaluation of Biological Properties of Polymeric Materials (in Czech). *Lékař a technika* 6, 110-114 (1974).
25. J. Kolařík, J. Vacík, J. Kopeček, Relaxation Behaviour of Poly(2-Hydroxyethyl Acrylate) and its Copolymers with 2-Hydroxyethyl Methacrylate. *Intern. J. Polym. Mater.* 3, 259-268 (1975).
26. Z. Voldřich, Z. Tománek, J. Vacík, J. Kopeček, Long-Term Experience with the Poly(Glycol Monomethacrylate) Gel in Plastic Operations of the Nose. *J. Biomed. Mater. Res.* 9, 675-685 (1975).
27. J. Vacík, V. Kúdela, J. Kopeček, Concentration Potentials of Hydrophilic Membranes Containing Ionogenic Groups. *Europ. Polym. J.* 11, 331-335 (1975).
28. Š. Luby, E. Sumbalová, J. Kopeček, Adjusting of Thin Layer Resistors with an Anodizing Electrode (in Czech). *Elektrotechnický časopis* 26, 297-304 (1975).
29. J. Vacík, J. Kopeček, Specific Resistances of Hydrophilic Membranes Containing Ionogenic Groups. *J. Appl. Polym. Sci.* 19, 3029-3044 (1975).
30. O. Šterba, E. Paluska, O. Jozová, J. Špunda, J. Nezvalová, L. Šprincl, J. Kopeček, J. Činátl, New Types of Synthetic Infusion Solutions. II. Basic Biological Properties of Poly[*N*-(2-Hydroxypropyl)methacrylamide] (in Czech). *Časopis lék. českých* 114, 1268-1270 (1975).
31. J. Kolařík, J. Kopeček, J. Vacík, J. Janáček, Relaxation Behaviour of Poly(*N*-Monosubstituted Methacrylamides). *Intern. J. Polym. Mater.* 5, 89-97 (1976).
32. J. Janáček, J. Kolařík, J. Vacík, J. Kopeček, Mechanical Responses of 2-Hydroxyethyl Methacrylate - Methacrylonitrile and 2-Hydroxyethyl Methacrylate - Acrylonitrile Copolymer Networks. *Intern. J. Polym. Mater.* 5, 59-70 (1976).
33. J. Strohalm, K. Ulbrich, J. Exner, J. Kopeček, Copolymerization of *N*-Ethylacrylamide with *N*-Monosubstituted Methacrylamides. *Angew. Makromol. Chem.* 49, 83-92 (1976).
34. T.E. Lipatova, G.A. Pchakadze, T.L. Tereščenko, L. Šprincl, J. Kálal, J. Kopeček, New Types of Polyurethane Tissue Adhesives and Their Application in Surgery (In Czech). *Voj. zdrav. Listy* 45, 25-29 (1976).
35. K. Ulbrich, J. Kopeček, Radical Polymerization of *N*-Substituted Methacrylamides. *Europ. Polym. J.* 12, 183-187 (1976).

36. K. Ulbrich, J. Kopeček, Polymerization Kinetics of *N*-Ethylacrylamide. Collection Czechoslov. Chem. Commun. 41, 61-66 (1976).
37. J. Drobník, J. Kopeček, J. Labský, P. Rejmanová, J. Exner, V. Saudek, J. Kálal, Enzymatic Cleavage of Side-Chains of Synthetic Water-Soluble Polymers. Makromol. Chem. 177, 2833-2848 (1976).
38. T.E. Lipatova, G.A. Pchakadze, T.L. Tereščenko, J. Kálal, L. Šprincl, J. Kopeček, Comparative Characteristics of Polyurethanes and Hydrophilic Polymers Based on Poly(Glycol Methacrylates) Used as Alloplastics (in Ukrainian). Izv. Ukr. Acad. Sci. 3, 33-45 (1976).
39. L. Šprincl, T. Tereščenko, J. Kálal, T.E. Lipatova, J. Kopeček, G.A. Pchakadze, Mucopolysaccharide Complexes in the Fibrous Tissue Surrounding Hydrophilic Polymers in Subcutaneous Implantation. Polymers in Medicine (Wroclaw) 6, 185-190 (1976).
40. L. Korčáková, E. Paluska, V. Hašková, J. Kopeček, A Simple Test for Immunogenicity of Colloidal Infusion Solutions - the Draining Lymph Node Activation. Z. Immun. Forsch. 151, 219-223 (1976).
41. L. Šprincl, J. Exner, O. Šterba, J. Kopeček, New Types of Synthetic Infusion Solutions. III. Elimination and Retention of Poly[*N*-(2-Hydroxypropyl)methacrylamide] in a Test Organism. J. Biomed. Mater. Res. 10, 953-963 (1976).
42. P. Rejmanová, J. Labský, J. Kopeček, Aminolyses of Monomeric and Polymeric *p*-Nitrophenyl Esters of Methacryloylated Amino Acids. Makromol. Chem. 178, 2159-2168 (1977).
43. J. Kopeček, Soluble Biomedical Polymers. Polymers in Medicine (Wroclaw) 7, 191-221 (1977).
44. K. Ulbrich, M. Ilavský, K. Dušek, J. Kopeček, Preparation and Properties of Poly(*N*-Ethylmethacrylamide) Networks. Europ. Polym. J. 13, 579-585 (1977).
45. K. Ulbrich, L. Čech, J. Kálal, J. Kopeček, Polymerization Kinetics of *N,N*-Diethylacrylamide. Collection Czechoslov. Chem. Commun. 42, 2666-2671 (1977).
46. J. Vacík, M. Czaková, J. Exner, J. Kálal, J. Kopeček, Permeability of Metabolites Through Hydrophilic Membranes. Collection Czechoslov. Chem. Commun. 42, 2786-2790 (1977).
47. J. Kopeček, Reactive Copolymers of *N*-(2-Hydroxypropyl)methacrylamide with *N*-Methacryloylated Derivatives of L-Leucine and L-Phenylalanine. I. Preparation, Characterization and Reaction with Diamines. Makromol. Chem. 178, 2169-2183 (1977).
48. O. Benešová, L. Šprincl, K. Ulbrich, B. Obereigner, J. Drobník, J. Kálal, J. Kopeček, Biological Effects of 2,4-Pentadiene-1-ol. Chem. Biol. Interactions 18, 111-117 (1977).
49. V. Kúdela, J. Vacík, J. Kopeček, pH-Dependent Electrochemical Behaviour of Hydrophilic Ampholytic Membranes. Europ. Polym. J. 13, 811-813 (1977).
50. K. Ulbrich, M. Ilavský, B. Obereigner, J. Kopeček, Preparation and Properties of Poly(2,4-Pentadiene-1-ol). Angew. Makromol. Chem. 67, 137-149 (1978).
51. V. Chytrý, A. Vrána, J. Kopeček, Synthesis and Activity of a Polymer which Contains Insulin Covalently Bound on a Copolymer of *N*-(2-Hydroxypropyl)methacrylamide and *N*-Methacryloylglycylglycine 4-Nitrophenyl Ester. Makromol. Chem. 179, 329-336 (1978).
52. K. Ulbrich, K. Dušek, M. Ilavský, J. Kopeček, Preparation and Properties of Poly(*N*-Butylmethacrylamide) Networks. Europ. Polym. J. 14, 45-49 (1978).

53. J. Kálal, J. Drobník, J. Kopeček, J. Exner, Soluble Polymers for Medicine. *Brit. Polym. J.* 10, 111-114 (1978).
54. J. Kálal, J. Drobník, J. Kopeček, J. Exner, Synthetic Polymers in Chemotherapy: General Problems, In: *Polymeric Drugs*, L.G. Donaruma, O. Vogl, Eds., Academic Press, New York, pp. 131-159 (1978).
55. J. Strohalm, J. Kopeček, Poly[*N*-(2-Hydroxypropyl)methacrylamide]. IV. Heterogeneous Polymerization. *Angew. Makromol. Chem.* 70, 109-118 (1978).
56. J. Vacík, K. Ulbrich, J. Exner, J. Kopeček, Permeability of Hydrophilic Membranes Based on Poly[*N*-Substituted (Meth)acrylamides]. *Collection Czechoslov. Chem. Commun.* 43, 1221-1226 (1978).
57. J. Kálal, L. Šprincl, J. Kopeček, T.E. Lipatova, E.V. Lebedev, N.I. Dovgopol, Supermolecular Structure of Hydrophilic Polymers Based on Poly(Glycol Methacrylates) Contacted with the Organism's Tissue (in Russian). *Vysokomol. Soed. B* 20, 751-755 (1978).
58. M. Ilavský, K. Dušek, J. Vacík, J. Kopeček, Deformational, Swelling and Potentiometric Behaviour of Ionized Gels of 2-Hydroxyethyl Methacrylate - Methacrylic Acid Copolymers. *J. Appl. Polym. Sci.* 23, 2073-2082 (1979).
59. B. Obereigner, M. Burešová, A. Vrána, J. Kopeček, Preparation of Polymerizable Derivatives of *N*-(4-Aminobenzenesulfonyl)-*N'*-Butylurea. *J. Polym. Sci. Polym. Symp.* 66, 41-52 (1979).
60. K. Ulbrich, J. Kopeček, Crosslinked Copolymers of *N,N*-Diethylacrylamide with Improved Mechanical Properties. *J. Polym. Sci. Polym. Symp.* 66, 209-219 (1979).
61. J. Kopeček, P. Rejmanová, Reactive Copolymers of *N*-(2-Hydroxypropyl)methacrylamide with *N*-Methacryloylated Derivatives of L-Leucine and L-Phenylalanine. II. Reaction with the Polymeric Amine and Stability of Crosslinks Towards Chymotrypsin In Vitro. *J. Polym. Sci. Polym. Symp.* 66, 15-32 (1979).
62. L.K. Shatajeva, G.V. Samsonov, J. Vacík, J. Kopeček, J. Kálal, Permeability of Heterogeneous Membranes Based on Methacrylic Acid. *J. Appl. Polym. Sci.* 23, 2245-2251 (1979).
63. J. Vacík, Z. Pelzbauer, N.N. Kuznetsova, K.P. Papukova, L.K. Shatajeva, G.V. Samsonov, J. Kálal, J. Kopeček, Porous Copolymers of Methacrylic Acid with *N*-(2-Hydroxypropyl)methacrylamide and with 2-Hydroxyethyl Methacrylate. Preparation, Swelling and Morphology. *Collection Czechoslov. Chem. Commun.* 44, 1925-1930 (1979).
64. J. Vacík, L.K. Shatajeva, G.V. Samsonov, J. Kálal, J. Kopeček, Porous Copolymers of Methacrylic Acid with *N*-(2-Hydroxypropyl)methacrylamide and with 2-Hydroxyethyl Methacrylate. Study of Sorption Properties. *Collection Czechoslov. Chem. Commun.* 44, 1931-1941 (1979).
65. V. Větvicka, V. Viklický, L. Jarošková, J. Kopeček, Comparison of the Functional Activity of Normal and Stimulated Peritoneal Exudate Cells in Suspension and After Adherence to the Substrate. *Folia Biologica (Prague)* 25, 403-404 (1979).
66. H. Braselman, J. Vacík, J. Kopeček, D. Kirstein, Regulation of Transport in Artificial Membranes by Environmental Hydrogen-Ion Concentration. *Europ. Polym. J.* 16, 431-435 (1980).
67. V. Kúdela, J. Vacík, J. Kopeček, Strong Acid Membranes with Enhanced Hydrophilicity. *J. Membrane Sci.* 6, 123-131 (1980).
68. E. Paluska, J. Činátl, L. Korčáková, O. Štěrbá, J. Kopeček, A. Hrubá, J. Nezvalová, R. Staněk, Immunosuppressive Effect of a Synthetic Polymer - Poly[*N*-(2-Hydroxypropyl)methacrylamide] (Duxon). *Folia Biologica (Prague)* 26, 304-311 (1980).

69. K. Ulbrich, E.I. Zacharieva, B. Obereigner, J. Kopeček, Polymers Containing Enzymatically Degradable Bonds. 5. Hydrophilic Polymers Degradable by Papain. *Biomaterials* 1, 199-204 (1980).
70. R. Duncan, J.B. Lloyd, J. Kopeček, Degradation of Side Chains of *N*-(2-Hydroxypropyl)methacrylamide Copolymers by Lysosomal Enzymes. *Biochem. Biophys. Res. Commun.* 94, 284-290 (1980).
71. O. Štěrbá, Z. Uhlířová, R. Petz, L. Viktora, A. Jirásek, J. Kopeček, Experimental Contribution to the Biological Evaluation of the Czechoslovak Infusion Solution (in Czech). *Čas. lék. českých* 119, 994-997 (1980).
72. J. Činátl, O. Štěrbá, E. Paluska, V. Polednová, J. Kopeček, New Types of Synthetic Infusion Solutions. The Effects of Duxon on the Cell Proliferation In Vitro (in Czech). *Čs. farmacie* 29, 134-138 (1980).
73. A. Lääne, V. Chytrý, M. Haga, P. Sikk, A. Aaviksaar, J. Kopeček, Covalent Attachment of Chymotrypsin to Poly[*N*-(2-Hydroxypropyl)methacrylamide]. *Collection Czechoslov. Chem. Commun.* 46, 1466-1473 (1981).
74. J. Kopeček, Soluble Polymers in Medicine, In: *Systemic Aspects of Biocompatibility*, D.F. Williams, Ed., CRC Press, Boca Raton, Florida, Vol. II, pp. 159-180 (1981).
75. J. Kopeček, Hydrophilic Biomedical Polymers (in Bulgarian). *Chimija i Industrija* 224-227 (1981).
76. J. Kopeček, P. Rejmanová, V. Chytrý, Polymers Containing Enzymatically Degradable Bonds. 1. Chymotrypsin Catalyzed Hydrolysis of *p*-Nitroanilides of Phenylalanine and Tyrosine Attached to Side-Chains of Copolymers of *N*-(2-Hydroxypropyl)methacrylamide. *Makromol. Chem.* 182, 799-809 (1981).
77. P. Rejmanová, B. Obereigner, J. Kopeček, Polymers Containing Enzymatically Degradable Bonds. 2. Poly[*N*-(2-Hydroxypropyl)methacrylamide] Chains Connected by Oligopeptide Sequences Cleavable by Chymotrypsin. *Makromol. Chem.* 182, 1899-1915 (1981).
78. K. Ulbrich, J. Strohalm, J. Kopeček, Polymers Containing Enzymatically Degradable Bonds. 3. Poly[*N*-(2-Hydroxypropyl)methacrylamide] Chains Connected by Oligopeptide Sequences Cleavable by Trypsin. *Makromol. Chem.* 182, 1917-1928 (1981).
79. J. Kopeček, I. Cífková, P. Rejmanová, J. Strohalm, B. Obereigner, K. Ulbrich, Polymers Containing Enzymatically Degradable Bonds. 4. Preliminary Experiments In Vivo. *Makromol. Chem.* 182, 2941-2949 (1981).
80. J. Hrouz, M. Ilavský, K. Ulbrich, J. Kopeček, The Photoelastic Behaviour of Dry and Swollen Networks of Poly(*N,N*-Diethylacrylamide) and of its Copolymers with *N*-tert. Butylacrylamide. *Europ. Polym. J.* 17, 361-366 (1981).
81. L. Fornůsek, V. Větvička, J. Kopeček, Difference in Phagocytic Activity of Methacrylate Copolymer Particles in Normal and Stimulated Macrophages. *Experientia* 37, 418-420 (1981).
82. R. Duncan, P. Rejmanová, J. Kopeček, J.B. Lloyd, Pinocytic Uptake and Intracellular Degradation of *N*-(2-Hydroxypropyl)methacrylamide Copolymers. A Potential Drug Delivery System. *Biochim. Biophys. Acta* 678, 143-150 (1981).
83. J. Kopeček, Biodegradation of Polymers for Biomedical Use, In: *IUPAC Macromolecules*, H. Benoit, P. Rempp, Eds., Pergamon Press, Oxford, pp. 305-320 (1982).
84. V. Chytrý, J. Kopeček, P. Sikk, R. Sinijärv, A. Aaviksaar, A Convenient Model System for the Study of the Influence of Water-Soluble Polymer Carrier on the Interaction Between Proteins. *Makromol. Chem. Rapid Commun.* 3, 11-15 (1982).

85. K. Ulbrich, J. Strohalm, J. Kopeček, Polymers Containing Enzymatically Degradable Bonds. 6. Hydrophilic Gels Cleavable by Chymotrypsin. *Biomaterials* 3, 150-154 (1982).
86. V. Větvička, L. Fornůsek, J. Kopeček, J. Kamínková, L. Kašpárek, M. Vránová, Phagocytosis of Human Blood Leukocytes: A Simple Micromethod. *Immunology Letters* 5, 97-100 (1982).
87. R. Duncan, H.C. Cable, J.B. Lloyd, P. Rejmanová, J. Kopeček, Degradation of Side-Chains of *N*-(2-Hydroxypropyl)methacrylamide Copolymers by Lysosomal Thiol Proteinases. *Biosci. Rep.* 2, 1041-1046 (1982).
88. M.V. Solovskij, K. Ulbrich, J. Kopeček, Synthesis of *N*-(2-Hydroxypropyl)methacrylamide Copolymers with Antimicrobial Activity. *Biomaterials* 4, 44-48 (1983).
89. R. Duncan, H.C. Cable, J.B. Lloyd, P. Rejmanová, J. Kopeček, Polymers Containing Enzymatically Degradable Bonds. 7. Design of Oligopeptide Side-Chains in Poly[*N*-(2-Hydroxypropyl)methacrylamide] Copolymers to Promote Efficient Degradation by Lysosomal Enzymes. *Makromol. Chem.* 184, 1997-2008 (1983).
90. B. Říhová, K. Ulbrich, J. Kopeček, P. Mančal, Immunogenicity of *N*-(2-Hydroxypropyl)methacrylamide Copolymers - Potential Hapten or Drug Carriers. *Folia Microbiologica (Prague)* 28, 217-227 (1983).
91. A. Lääne, M. Haga, A. Aaviksaar, V. Chytrý, J. Kopeček, Activation of Poly[*N*-(2-Hydroxypropyl)methacrylamide] for Binding of Bioactive Molecules. 1. Activation with 4-Nitrophenyl Chloroformate. *Makromol. Chem.* 184, 1339-1344 (1983).
92. V. Chytrý, J. Kopeček, Activation of Poly[*N*-(2-Hydroxypropyl)methacrylamide] for Binding of Bioactive Molecules. 2. Activation with Cyanogen Bromide. *Makromol. Chem.* 184, 1345-1353 (1983).
93. J. Kopeček, P. Rejmanová, Enzymatically Degradable Bonds in Synthetic Polymers, In: *Controlled Drug Delivery*, S.D. Bruck, Ed., CRC Press, Boca Raton, Florida, Vol. I, pp. 81-124 (1983).
94. J. Kopeček, K. Ulbrich, Biodegradation of Biomedical Polymers. *Progr. Polym. Sci.* 9, 1-58 (1983).
95. R. Duncan, J. Kopeček, J.B. Lloyd, Development of *N*-(2-Hydroxypropyl)methacrylamide Copolymers as Carriers of Therapeutic Agents, In: *Polymers in Medicine: Biomedical and Pharmacological Applications*, E. Chiellini, P. Giusti, Eds., Plenum Press, New York, pp. 97-113 (1983).
96. R. Duncan, J. Kopeček, P. Rejmanová, J.B. Lloyd, Targeting of *N*-(2-Hydroxypropyl)methacrylamide Copolymers to Liver by Incorporation of Galactose Residues. *Biochim. Biophys. Acta* 755, 518-521 (1983).
97. P. Rejmanová, J. Pohl, M. Baudyš, V. Kostka, J. Kopeček, Polymers Containing Enzymatically Degradable Bonds. 8. Degradation of Oligopeptide Sequences in *N*-(2-Hydroxypropyl)methacrylamide Copolymers by Bovine Spleen Cathepsin B. *Makromol. Chem.* 184, 2009-2020 (1983).
98. V. Větvička, L. Fornůsek, J. Kopeček, D. Přikrylová, Phagocytosis of 2-Hydroxyethylmethacrylate Copolymer Particles by Different Types of Macrophages. *Folia Biologica (Prague)* 29, 424-428 (1983).
99. L. Fornůsek, J. Kopeček, V. Větvička, An Advantageous Method for Detection of Fc-Receptors and for Studying Fc-Receptor Mediated Phagocytosis. *Immunology Letters* 7, 29-33 (1983).
100. R. Duncan, J. Kopeček, Soluble Synthetic Polymers as Potential Drug Carriers. *Adv. Polym. Sci.* 57, 51-101 (1984).

101. J. Kopeček, Synthesis of Tailor-Made Soluble Polymeric Drug Carriers, In: Recent Advances in Drug Delivery Systems, J.M. Anderson, S.W. Kim, Eds., Plenum Press, New York, pp. 41-62, (1984).
102. J. Kopeček, Controlled Biodegradability of Polymers - a Key to Drug Delivery Systems. *Biomaterials* 5, 19-25 (1984).
103. R. Duncan, J. Kopeček, J.B. Lloyd, Drug Targeting to Lysosomes. *Biochem. Soc. Trans.* 12, 913-915 (1984).
104. J.B. Lloyd, R. Duncan, J. Kopeček, Synthetic Polymers as Targetable Carriers for Drugs. *Pure Appl. Chem.* 56, 1301-1304 (1984).
105. J. Pató, M. Azori, K. Ulbrich, J. Kopeček, Polymers Containing Enzymatically Degradable Bonds. 9. Chymotrypsin Catalyzed Hydrolysis of p-Nitroanilide Drug Model Bound via Oligopeptides onto Poly(Vinylpyrrolidone-co-Maleic Anhydride). *Makromol. Chem.* 185, 231-237 (1984).
106. B. Říhová, J. Kopeček, K. Ulbrich, J. Pospíšil, P. Mančal, Effect of the Chemical Structure of *N*-(2-Hydroxypropyl)methacrylamide Copolymers on their Ability to Induce Antibody Formation in Inbred Strains of Mice. *Biomaterials* 5, 143-148 (1984).
107. R. Duncan, H.C. Cable, P. Rejmanová, J. Kopeček, J.B. Lloyd, Tyrosinamide Residues Enhance Pinocytotic Capture of *N*-(2-Hydroxypropyl)methacrylamide Copolymers. *Biochim. Biophys. Acta* 799, 1-8 (1984).
108. S.A. Carlidge, P. Rejmanová, R. Duncan, J. Kopeček, J.B. Lloyd, Targeting of Soluble Crosslinked *N*-(2-Hydroxypropyl)methacrylamide Copolymers In Vivo. A Potential Drug Delivery System. *Biochem. Soc. Trans.* 12, 1064-1065 (1984).
109. V. Větvička, L. Fornůsek, M. Holub, J. Zídková, J. Kopeček, Macrophages of Athymic Nude Mice: Fc Receptors, C Receptors, Phagocytic and Pinocytotic Activities. *Eur. J. Cell. Biol.* 35, 35-40 (1984).
110. V. Větvička, L. Fornůsek, B. Říhová, J. Kopeček, Properties of Macrophages from Low and High Responder Strains of Mice. 1. Effect of Antigen Stimulus. *Folia biologica (Prague)* 31, 20-33 (1985).
111. D. Kirstein, H. Braselman, J. Vacík, J. Kopeček, Influence of Medium and Matrix Composition on Diffusivities in Charged Membranes. *Biotechnol. Bioeng.* 27, 1382-1384 (1985).
112. P. Rejmanová, J. Kopeček, R. Duncan, J.B. Lloyd, Stability in Rat Plasma and Serum of Lysosomally Degradable Oligopeptide Sequences in *N*-(2-Hydroxypropyl)methacrylamide Copolymers. *Biomaterials* 6, 45-48 (1985).
113. A. Lääne, A. Aaviksaar, M. Haga, V. Chytrý, J. Kopeček, Preparation of Polymer-Modified Enzymes of Prolonged Circulation Times. Poly[*N*-(2-Hydroxypropyl)methacrylamide] Bound Acetylcholinesterase. *Makromol. Chem. Suppl.* 9, 35-42 (1985).
114. R. Duncan, J.B. Lloyd, P. Rejmanová, J. Kopeček, Methods of Targeting *N*-(2-Hydroxypropyl)methacrylamide Copolymers to Particular Cell Types. *Makromol. Chem. Suppl.* 9, 3-12 (1985).
115. J.B. Lloyd, R. Duncan, J. Kopeček, P. Rejmanová, Targeting and Lysosomal Handling of Polymethacrylamide - Oligopeptide Conjugates, In: Receptor-Mediated Targeting of Drugs, G. Gregoriadis, G. Poste, J. Senior, A. Trouet, Eds., Plenum Press, New York, pp. 417-425 (1985).
116. J. Kopeček, R. Rejmanová, R. Duncan, J.B. Lloyd, Controlled Release of Drug Model from *N*-(2-Hydroxypropyl)methacrylamide Copolymers. *Ann N.Y. Acad. Sci.* 446, 93-104 (1985).

117. L. Fornůsek, V. Větvička, J. Zídková, J. Kopeček, Hydrophilic Polymeric Microspheres: Their Use in Immunological Methods. *Makromol. Chem. Suppl.* 9, 125-127 (1985).
118. J. Kopeček, Polymers with Controlled Biodegradability as Carriers of Biologically Active Compounds (in Russian). *Zhur. Khim. Obsh.* 30, 372-378 (1985).
119. B. Říhová, J. Kopeček, K. Ulbrich, V. Chytrý, Immunogenicity of *N*-(2-Hydroxypropyl)methacrylamide Copolymers. *Makromol. Chem. Suppl.* 9, 13-24 (1985).
120. B. Říhová, J. Kopeček, Biological Properties of Targetable Poly[*N*-(2-Hydroxypropyl)methacrylamide] - Antibody Conjugates. *J. Controlled Release* 2, 289-310 (1985).
121. H. Tlaskalová-Hogenová, J. Kopeček, K. Ulbrich, F. Rypáček, J. Pospíšil, In Vivo and In Vitro Immunogenicity of Water-Soluble Haptenated Copolymers for Mouse and Human Lymphocytes. *Makromol. Chem. Suppl.* 9, 137-143 (1985).
122. K. Ulbrich, J. Strohal, J. Kopeček, Poly(Ethylene Glycol)s Containing Enzymatically Degradable Bonds. *Makromol. Chem.* 187, 1131-1144 (1986).
123. S.A. Cartlidge, R. Duncan, J.B. Lloyd, P. Rejmanová, J. Kopeček, Soluble Crosslinked *N*-(2-Hydroxypropyl)methacrylamide Copolymers as Potential Drug Carriers. 1. Pinocytosis by Rat Visceral Yolk Sacs and Rat Intestine Cultured In Vitro. Effect of Molecular Weight on Uptake and Intracellular Degradation. *J. Controlled Release* 3, 55-66 (1986).
124. V. Šubr, R. Duncan, K. Hanada, H.C. Cable, J. Kopeček, A Lysosomotropic Polymeric Inhibitor of Cysteine Proteinases. *J. Controlled Release* 4, 63-68 (1986).
125. R. Duncan, L.C.W. Seymour, L. Scarlett, J.B. Lloyd, P. Rejmanová, J. Kopeček, Fate of *N*-(2-Hydroxypropyl)methacrylamide Copolymers with Pendent Galactosamine Residues after Intravenous Administration to Rats. *Biochim. Biophys. Acta* 880, 62-71 (1986).
126. B. Říhová, J. Kopeček, P. Kopečková-Rejmanová, J. Strohal, D. Plocová, H. Semorádová, Bioaffinity Therapy with Antibodies and Drugs Bound to Soluble Synthetic Polymers. *J. Chromatogr. Biomed. Appl.* 376, 221-233 (1986).
127. L.A. McCormick, L.C.W. Seymour, R. Duncan, J. Kopeček, Interaction of a Cationic *N*-(2-Hydroxypropyl)methacrylamide Copolymer with Rat Visceral Yolk Sac Cultured in Vitro and Rat Liver In Vivo. *J. Bioact. Comp. Polym.* 1, 4-19 (1986).
128. V. Větvička, L. Fornůsek, P.W. Kincade, J. Kopeček, Co-Expression of Different Types of Fc Receptors on Murine Peritoneal Macrophages. *Eur. J. Immunol.* 16, 901-905 (1986).
129. J.B. Lloyd, R. Duncan, J. Kopeček, Synthetic Polymers as Carriers for Chemotherapeutic Agents. *Biochem. Soc. Trans.* 14, 391-392 (1986).
130. J. Šimečková, B. Říhová, D. Plocová, J. Kopeček, Activity of Complement in the Presence of *N*-(2-Hydroxypropyl)methacrylamide Copolymers. *J. Bioact. Comp. Polym.* 1, 20-31 (1986).
131. V. Šubr, J. Kopeček, R. Duncan, Degradation of Oligopeptide Sequences Connecting Poly[*N*-(2-Hydroxypropyl)methacrylamide] Chains by Lysosomal Cysteine Proteinases. *J. Bioact. Comp. Polym.* 1, 133-146 (1986).
132. E. Paluska, A. Hrubá, O. Štěřba, J. Kopeček, Effect of a Synthetic Poly[*N*-(2-Hydroxypropyl)-methacrylamide] (Duxon) on Haemopoiesis and Graft versus Host Reaction. *Folia biologica (Prague)* 32, 91-102 (1986).

133. H. Tlaskalová-Hogenová, J. Čoupek, A. Frydrychová, V. Větvicka, J. Kopeček, M. Pospíšil, H. Fiebig, L. Fornůsek, J. Brochier, L. Prokešová, P. Mančal, Separation of Human Lymphoid Cells by Affinity Chromatography and Cell Surface Labelling by Poly(2-Hydroxyethylmethacrylate) Particles Using Monoclonal Antibodies. *J. Chromatogr. Biomed. Appl.* 376, 401-408 (1986).
134. R. Duncan, H.C. Cable, J. Strohm, J. Kopeček, Pinocytic Capture and Endocytosis of Rat Immunoglobulin IgG - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates by Rat Visceral Yolk Sacs Cultured *In Vitro*. *Biosci. Rep.* 6, 869-878 (1986).
135. S.A. Carlidge, R. Duncan, J.B. Lloyd, P. Kopečková-Rejmanová, J. Kopeček, Soluble Crosslinked *N*-(2-Hydroxypropyl)methacrylamide Copolymers as Potential Drug Carriers. 2. Effect of Molecular Weight on Blood Clearance and Body Distribution in the Rat after Intravenous Administration. Distribution of Unfractionated Copolymer after Intraperitoneal, Subcutaneous or Oral Administration. *J. Controlled Release* 4, 253-264 (1987).
136. S.A. Carlidge, R. Duncan, J.B. Lloyd, P. Kopečková-Rejmanová, J. Kopeček, Soluble, Crosslinked *N*-(2-Hydroxypropyl)methacrylamide Copolymers as Potential Drug Carriers. 3. Targeting by Incorporation of Galactosamine Residues. Effect of Route of Administration. *J. Controlled Release* 4, 265-278 (1987).
137. R. Duncan, P. Kopečková-Rejmanová, J. Strohm, I. Hume, H.C. Cable, J. Pohl, J.B. Lloyd, J. Kopeček, Anticancer Agents Coupled to *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 1. Evaluation of Daunomycin and Puromycin Conjugates *In Vitro*. *Brit. J. Cancer* 55, 165-174 (1987).
138. J. Kopeček, R. Duncan, Poly[*N*-(2-Hydroxypropyl)methacrylamide] Macromolecules as Drug Carrier Systems, In: *Polymers in Controlled Drug Delivery*, L. Illum, S.S. Davis, Eds., Wright, Bristol, U.K., pp. 152-170 (1987).
139. L.W. Seymour, R. Duncan, P. Kopečková, J. Kopeček, Daunomycin - and Adriamycin - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates. Toxicity Reduction by Improved Drug Delivery. *Cancer Treat. Rev.* 14, 319-327 (1987).
140. L.W. Seymour, R. Duncan, J. Strohm, J. Kopeček, Effect of Molecular Weight of *N*-(2-Hydroxypropyl)methacrylamide Copolymers on Body Distribution and Rate of Excretion after Subcutaneous, Intraperitoneal and Intravenous Administration to Rats. *J. Biomed. Mater. Res.* 21, 1341-1358 (1987).
141. L.W. Seymour, R. Duncan, P. Kopečková, J. Kopeček, Potential of Sugar Residues Attached to *N*-(2-Hydroxypropyl)methacrylamide Copolymers as Targeting Groups for the Selective Delivery of Drugs. *J. Bioact. Comp. Polym.* 2, 97-119 (1987).
142. K. Ulbrich, E.I. Zacharieva, J. Kopeček, I.C. Hume, R. Duncan, Polymer-Bound Derivatives of Sarcosin and their Antitumor Activity against Mouse and Human Leukemia *In Vitro*. *Makromol. Chem.* 188, 2497-2509 (1987).
143. V. Chytrý, J. Kopeček, E. Leibnitz, K. O'Hare, L. Scarlett, R. Duncan, Copolymers of 6-O-Methacryloyl-D-Galactose and *N*-(2-Hydroxypropyl)methacrylamide: Targeting to Liver after Intravenous Administration to Rats. *New Polymeric Mat.* 1, 21-28 (1987).
144. K. Ulbrich, Č. Koňák, Z. Tuzar, J. Kopeček, Solution Properties of Drug Carriers Based on Poly[*N*-(2-Hydroxypropyl)methacrylamide] Containing Biodegradable Bonds. *Makromol. Chem.* 188, 1261-1272 (1987).
145. J. Kopeček, R. Duncan, Targetable Polymeric Prodrugs. *J. Controlled Release* 6, 315-327 (1987).

146. H. Braselmann, D. Kirstein, J. Vacík, J. Kopeček, The Role of Water at the Permeation of Non-electrolytes Through Hydrophilic Membranes. *Acta Polymerica* 38, 196-199 (1987).
147. R. Duncan, P. Kopečková, J. Strohalm, I.C. Hume, J.B. Lloyd, J. Kopeček, Anticancer Agents Coupled to *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 2. Evaluation of Daunomycin Conjugates *In Vivo* against L1210 Leukaemia. *Brit. J. Cancer* 57, 147-156 (1988).
148. B. Říhová, P. Kopečková, J. Strohalm, P. Rossmann, V. Větvička, J. Kopeček, Antibody Directed Affinity Therapy Applied to the Immune System: *In Vivo* Effectiveness and Limited Toxicity of Daunomycin Conjugates to HPMA Copolymers and Targeting Antibody. *Clin. Immunol. Immunopathol.* 46, 100-114 (1988).
149. J.F. Bridges, J.F. Woodley, R. Duncan, J. Kopeček, Soluble *N*-(2-Hydroxypropyl)methacrylamide Copolymers as a Potential Oral, Controlled Release, Drug Delivery System. 1. Bioadhesion to the Intestinal Surface *In Vitro*. *Int. J. Pharmaceutics* 44, 213-223 (1988).
150. J. Kopeček, Development of Tailor-Made Polymeric Prodrugs for Systemic and Oral Delivery. *J. Bioact. Comp. Polym.* 3, 16-26 (1988).
151. J.D. Andrade, J. Herron, J.-N. Lin, H.-R. Yen, J. Kopeček, P. Kopečková, On-Line Sensors for Coagulation Proteins: Concept and Progress Report. *Biomaterials* 9, 76-79 (1988).
152. V. Šubr, J. Kopeček, J. Pohl, M. Baudyš, V. Kostka, Cleavage of Oligopeptide Side-Chains in *N*-(2-Hydroxypropyl)methacrylamide Copolymers by Mixtures of Lysosomal Enzymes. *J. Controlled Release* 8, 133-140 (1988).
153. N.L. Krinick, B. Říhová, K. Ulbrich, J.D. Andrade, J. Kopeček, Targetable Photoactivatable Drugs. 1. Synthesis of Water-Soluble Galactosamine Containing Polymeric Carriers of Chlorin e₆ and Their Photodynamic Effect on PLC Cells *In Vitro*. *Proc. SPIE* 997, 70-83 (1988).
154. R. Duncan, L.W. Seymour, K. Ulbrich, J. Kopeček, Soluble Synthetic Polymers for Targeting and Controlled Release of Anticancer Agents, Particularly Anthracycline Antibiotics. *J. Bioact. Comp. Polym.* 3, 4-15 (1988).
155. H.-R. Yen, J. Kopeček, J.D. Andrade, Optically Controlled Ligand Delivery. 1. Synthesis of Water-Soluble Copolymers Containing Photocleavable Bonds. *Makromol. Chem.* 190, 69-82 (1989).
156. B.K. Armstrong, Q. Smith, S.I. Rapoport, J. Strohalm, J. Kopeček, R. Duncan, Osmotic Opening of the Blood-Brain Barrier Permeability to *N*-(2-Hydroxypropyl)methacrylamide Copolymers. Effect of Polymer Mw, Charge and Hydrophobicity. *J. Controlled Release* 10, 27-35 (1989).
157. R. Duncan, I.C. Hume, P. Kopečková, K. Ulbrich, J. Strohalm, J. Kopeček, Anticancer Agents Coupled to *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 3. Evaluation of Adriamycin Conjugates Against Mouse Leukaemia L1210 *In Vivo*. *J. Controlled Release* 10, 51-63 (1989).
158. B. Říhová, V. Větvička, J. Strohalm, K. Ulbrich, J. Kopeček, Action of Polymeric Prodrugs Based on *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 1. Suppression of the Antibody Response and Proliferation of Mouse Splenocytes *In Vivo*. *J. Controlled Release* 9, 21-32 (1989).
159. B. Říhová, V. Vereš, L. Fornůšek, K. Ulbrich, J. Strohalm, V. Větvička, M. Bilej, J. Kopeček, Action of Polymeric Prodrugs Based on *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 2. Body Distribution and T-Cell Accumulation of Free and Polymer Bound [¹²⁵I]Daunomycin. *J. Controlled Release* 10, 37-49 (1989).

160. B. Říhová, M. Bilej, V. Větvíčka, K. Ulbrich, J. Strohalm, J. Kopeček, R. Duncan, Biocompatibility of *N*-(2-Hydroxypropyl)methacrylamide Copolymers Containing Adriamycin. *Biomaterials* 10, 335-342 (1989).
161. M.V. Solovskij, K. Ulbrich, O.V. Nazarova, N.V. Zubko, E.F. Panarin, J. Kopeček, Investigation of the Aminolysis of *p*-Nitrophenyl Esters of *N*-(Meth)acryloylaminophenoxyacetic Acids and Their Copolymers with *N*-(2-Hydroxypropyl)methacrylamide by 6-Aminopenicillanic Acid. *Makromol. Chem.* 190, 2245-2254 (1989).
162. J.-H. Lee, J. Kopeček, J.D. Andrade, Protein-Resistant Surfaces Prepared by PEO-Containing Block Copolymer Surfactants. *J. Biomed. Mater. Res.* 23, 351-368 (1989).
163. K.B. O'Hare, I.C. Hume, L. Scarlett, V. Chytrý, P. Kopečková, J. Kopeček, R. Duncan, Effect of Galactose on Interaction of *N*-(2-Hydroxypropyl)methacrylamide Copolymers with Hepatoma Cells in Culture: Preliminary Application to an Anticancer Agent, Daunomycin. *Hepatology* 10, 207-214 (1989).
164. P.A. Flanagan, P. Kopečková, J. Kopeček, R. Duncan, Evaluation of Protein - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates as Targetable Drug Carriers. 1. Binding, Pinocytic Uptake and Intracellular Distribution of Transferrin and Anti-Transferrin Receptor Antibody Conjugates. *Biochim. Biophys. Acta* 993, 83-91 (1989).
165. J. Cassidy, R. Duncan, G.J. Morrison, J. Strohalm, D. Plocová, J. Kopeček, S.B. Kaye, Activity of *N*-(2-Hydroxypropyl)methacrylamide Copolymers Containing Daunomycin Against a Rat Tumour Model. *Biochem. Pharmacol.* 38, 875-879 (1989).
166. J. Kopeček, The Potential of Water-Soluble Polymeric Carriers in Targeted and Site-Specific Drug Delivery. *J. Controlled Release* 11, 279-290 (1990).
167. L.W. Seymour, K. Ulbrich, J. Strohalm, J. Kopeček, R. Duncan, The Pharmacokinetics of Polymer-Bound Adriamycin. *Biochem. Pharmacol.* 39, 1125-1131 (1990).
168. P.A. Flanagan, R. Duncan, B. Říhová, V. Šubr, J. Kopeček, Immunogenicity of Protein - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates Measured in A/J and B10 Mice. *J. Bioact. Comp. Polym.* 5, 151-166 (1990).
169. J.-H. Lee, P. Kopečková, J. Kopeček, J.D. Andrade, Surface Properties of Copolymers of Alkyl Methacrylates with Methoxy (Polyethylene Oxide) Methacrylates. *Biomaterials* 11, 455-464 (1990).
170. P. Kopečková, J. Kopeček, J.D. Andrade, The Influence of Poly(Ethylene Oxide) Spacers on the Covalent and Non-Specific Binding of Immunoglobulin G to Silica Surfaces. *New Polymeric Mat.* 1, 289-297 (1990).
171. J.D. Andrade, J.-N. Lin, V. Hlady, J. Herron, D. Christensen, J. Kopeček, Immunosensors: Remaining Problems in the Development of Remote, Continuous, Multi-Channel Devices, In: *Biosensor Technology*, R.B. Buck et al., Eds., Marcel Dekker, New York, pp. 219-239 (1990).
172. N.L. Krinick, B. Říhová, K. Ulbrich, J. Strohalm, J. Kopeček, Targetable Photoactivatable Drugs. 2. Synthesis of *N*-(2-Hydroxypropyl)methacrylamide Copolymer - Anti-Thy 1.2 Antibodies - Chlorin e_6 Conjugates and a Preliminary Study of Their Photodynamic Effect on Mouse Splenocytes *In Vitro*. *Makromol. Chem.* 191, 839-856 (1990).
173. V. Šubr, R. Duncan, J. Kopeček, Release of Macromolecules and Daunomycin from Hydrophilic Gels Containing Enzymatically Degradable Bonds. *J. Biomat. Sci. Polym. Ed.* 1, 261-278 (1990).

174. P. Kopečková, J. Kopeček, Release of 5-Aminosalicylic Acid from Bioadhesive *N*-(2-Hydroxypropyl)methacrylamide Copolymers by Azoreductases *In Vitro*. Makromol. Chem. 191, 2037-2045 (1990).
175. M. Příkladný, J. Kopeček, Hydrogels for Site-Specific Oral Delivery. Poly[(Acrylic acid)-co-(Butyl Acrylate)] Crosslinked with 4,4'-Di(methacryloylamino)azobenzene. Makromol. Chem. 191, 1887-1897 (1990).
176. N.L. Krinick, J. Kopeček, Soluble Polymers as Targetable Drug Carriers, In: Handbook of Experimental Pharmacology, Vol. 100, "Targeted Drug Delivery", R.L. Juliano, Ed., Springer, pp. 105-179 (1991).
177. Y. Grim, J. Kopeček, Bioadhesive Water-Soluble Polymeric Drug Carriers for Site-Specific Oral Drug Delivery. Synthesis, Characterization and Release of 5-Aminosalicylic Acid by Streptococcus Faecium *In Vitro*. New Polymeric Mat. 3, 49-59 (1991).
178. P. Kopečková, M.A. Longer, J.F. Woodley, R. Duncan, J. Kopeček, Release of p-Nitroaniline from Oligopeptide Side-Chains Attached to *N*-(2-Hydroxypropyl)methacrylamide Copolymers by Rat Intestinal Brush Border Membrane Enzymes. Makromol. Chem. Rapid Commun. 12, 601-606 (1991).
179. J. Kopeček, B. Říhová, N.L. Krinick, Targetable Photoactivatable Polymeric Drugs. J. Controlled Release 16, 137-143 (1991).
180. J. Kopeček, Targetable Polymeric Anticancer Drugs: Temporal Control of Drug Activity. Ann. N.Y. Acad. Sci. 618, 335-344 (1991).
181. B. Crepon, J. Jozefonvicz, V. Chytrý, B. Říhová, J. Kopeček, Enzymatic Degradation and Immunogenic Properties of Derivatized Dextran. Biomaterials 12, 550-554 (1991).
182. H. Brøndsted, J. Kopeček, Hydrogels for Site-Specific Oral Delivery. Synthesis and Characterization. Biomaterials 12, 584-592 (1991).
183. L. W. Seymour, R. Duncan, V. Chytrý, J. Strohalm, K. Ulbrich, J. Kopeček, Intraperitoneal and Subcutaneous Retention of a Soluble Polymeric Drug-Carrier Bearing Galactose. J. Controlled Release 16, 255-262 (1991).
184. R.C. Rathi, P. Kopečková, B. Říhová, J. Kopeček, *N*-(2-Hydroxypropyl)methacrylamide Copolymers Containing Pendant Saccharide Moieties. Synthesis and Bioadhesive Properties. J. Polym. Sci. Part A: Polym. Chem. 29, 1895-1902 (1991).
185. H.-R. Yen, J.D. Andrade, J. Kopeček, Optically Controlled Ligand Delivery. 2. Copolymers Containing α -Methylphenacyl Bonds. J. Appl. Polym. Sci. 43, 1241-1252 (1991).
186. M. Singh, R. Rathi, A. Singh, J. Heller, G.P. Talwar, J. Kopeček, Controlled Release of LHRH-DT from Bioerodible Hydrogel Microspheres. Int. J. Pharmaceutics 76, R5-R8 (1991).
187. P. A. Flanagan, R. Duncan, V. Šubr, K. Ulbrich, P. Kopečková, J. Kopeček, Evaluation of Protein - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates as Targetable Drug-Carriers. 2. Body Distribution of Conjugates Containing Transferrin, Antitransferrin Receptor Antibody or Anti-Thy 1.2 Antibody and Effectiveness of Transferrin-Containing Daunomycin Conjugates against Mouse L1210 Leukaemia *In Vivo*. J. Controlled Release 18, 25-38 (1992).
188. H.-R. Yen, J.D. Andrade, J. Kopeček, Optically Controlled Ligand Delivery. 3. Photocleavage of 2-Nitrobenzyl Bonds at Solid-Liquid Interface. Polymer 33, 1763-1767 (1992).
189. J. Kopeček, P. Kopečková, H. Brøndsted, R. Rathi, B. Říhová, P.-Y. Yeh, K. Ikesue, Polymers for Colon-Specific Drug Delivery. J. Controlled Release 19, 121-130 (1992).

190. H. Brøndsted, J. Kopeček, pH Sensitive Hydrogels: Characteristics and Potential in Drug Delivery, In: Polyelectrolyte Gels, R.S. Harland, R.K. Prud'homme, Eds. ACS Symposium Series 480, pp. 285-304 (1992).
191. P. Kopečková, K. Ikesue, J. Kopeček, Cleavage of Oligopeptide p-Nitroanilides Attached to *N*-(2-Hydroxypropyl)methacrylamide Copolymers by Guinea Pig Intestinal Enzymes. Makromol. Chem. 193, 2605-2619 (1992).
192. J. Kopeček, P. Kopečková, *N*-(2-Hydroxypropyl)methacrylamide Copolymers for Colon Specific Drug Delivery, In: Oral Colon-Specific Delivery, D.R. Friend, Ed., CRC Press, Boca Raton, Florida, pp. 189-211 (1992).
193. H. Brøndsted, J. Kopeček, Hydrogels for Site-Specific Drug Delivery to Colon: *In Vitro* and *In Vivo* Degradation. Pharmaceutical Res. 9, 1540-1545 (1992).
194. Č. Koňák, P. Kopečková, J. Kopeček, Photoregulated Association of *N*-(2-Hydroxypropyl)methacrylamide Copolymers with Azobenzene Containing Side-Chains. Macromolecules 25, 5451-5456 (1992).
195. B. Říhová, R.C. Rathi, P. Kopečková, J. Kopeček, *In Vitro* Bioadhesion of Carbohydrate-Containing *N*-(2-Hydroxypropyl)methacrylamide Copolymers to the GI Tract of Guinea Pigs. Int. J. Pharmaceutics 87, 105-116 (1992).
196. K. Ikesue, P. Kopečková, J. Kopeček, Degradation of Proteins by Guinea Pig Intestinal Enzymes. Int. J. Pharmaceutics 95, 171-179 (1993).
197. B. Říhová, N.L. Krinick, J. Kopeček, Targetable Photoactivatable Drugs. 3. Specific *In Vitro* Destruction of a Human Hepatocarcinoma Cell Line (PLC/PRF/5) or Mouse Splenocytes by Polymer Bound Chlorin e_6 , Targeted by Galactosamine or Anti-Thy-1.2 Antibodies, Respectively. J. Controlled Release 25, 71-87 (1993).
198. Č. Koňák, R.C. Rathi, P. Kopečková, J. Kopeček, Effect of Side-Chains on Solution Properties of *N*-(2-Hydroxypropyl)methacrylamide Copolymers in Aqueous Solvents. Polymer 34, 4767-4773 (1993).
199. J.D. Spikes, N.L. Krinick, J. Kopeček, Photoproperties of a Mesochlorin e_6 - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugate. J. Photochem. Photobiol. A: Chem. 70, 163-170 (1993).
200. H.-C. Chiu, S. Zalipsky, P. Kopečková, J. Kopeček, Enzymatic Activity of Chymotrypsin and its Poly(Ethylene Glycol) Conjugates Toward Low and High Molecular Weight Substrates. Bioconjugate Chem. 4, 290-295 (1993).
201. Z.-W. Gu, J.D. Spikes, P. Kopečková, J. Kopeček, Synthesis and Photoproperties of a Substituted Zinc (II) Phthalocyanine - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugate. Collection Czechoslov. Chem. Commun. 58, 2321-2336 (1993).
202. N.L. Krinick, Y. Sun, D. Joyner, J.D. Spikes, R.C. Straight, J. Kopeček, A Polymeric Drug Delivery System for the Simultaneous Delivery of Drugs Activatable by Enzymes and/or Light. J. Biomat. Sci. Polym. Ed. 5, 303-324 (1994).
203. P. Kopečková, R.C. Rathi, S. Takada, B. Říhová, M.M. Berenson, J. Kopeček, Bioadhesive *N*-(2-Hydroxypropyl)methacrylamide Copolymers for Colon-Specific Drug Delivery. J. Controlled Release 28, 211-222 (1994).

204. H.-R.H. Yen, S. Oscarsson, K. Ulbrich, J. Kopeček, Adsorption and Activation of Zymogens at Solid-Liquid Interfaces. I. Chymotrypsinogen on Alkylamino Modified Silica Derivatives. *J. Biomed. Mater. Res.* 28, 247-257 (1994).
205. P.-Y. Yeh, P. Kopečková, J. Kopeček, Biodegradable and pH Sensitive Hydrogels: Synthesis by Crosslinking of *N,N*-Dimethylacrylamide Copolymer Precursors. *J. Polym. Sci. Part A: Polym. Chem.* 32, 1627-1637 (1994).
206. Č. Koňák, R.C. Rathí, P. Kopečková, J. Kopeček, Solution Properties of Polymers Containing Zwitterionic Moieties in Side-Chains. *Macromolecules* 27, 1992-1996 (1994).
207. Č. Koňák, P. Kopečková, J. Kopeček, Photoregulated Adsorption and Association of Amphiphilic Copolymers Containing Azobenzene Side-Chains. *J. Coll. Interface Sci.* 168, 235-241 (1994).
208. H.-C. Chiu, Č. Koňák, P. Kopečková, J. Kopeček, Enzymatic Degradation of Poly(Ethylene Glycol) Modified Dextrans. *J. Bioact. Comp. Polym.* 9, 388-410 (1994).
209. D. Putnam, J. Kopeček, Polymer Conjugates with Anticancer Activity. *Adv. Polym. Sci.* 122, 55-123 (1995).
210. P.-Y. Yeh, M.M. Berenson, W.S. Samowitz, P. Kopečková, J. Kopeček, Site-Specific Drug Delivery and Penetration Enhancement in the Gastrointestinal Tract. *J. Controlled Release* 36, 109-124 (1995).
211. S. Kamei, J. Kopeček, Prolonged Blood Circulation in Rats of Nanospheres Surface-Modified with Semitelechelic Poly[*N*-(2-Hydroxypropyl)methacrylamide]. *Pharmaceutical Res.* 12, 663-668 (1995).
212. P.-Y. Yeh, P. Kopečková, J. Kopeček, Degradability of Hydrogels Containing Azoaromatic Crosslinks. *Macromol. Chem. Phys.* 196, 2183-2202 (1995).
213. Č. Koňák, Z. Tuzar, P. Kopečková, J.D. Andrade, J. Kopeček, Association of Graft Copolymers of Alkyl Methacrylates with α -Methyl- ω -Hydroxy-Poly(Oxyethylene) Methacrylates. *Collection Czechoslov. Chem. Commun.* 60, 1971-1985 (1995).
214. Z.-W. Gu, V. Omelyanenko, P. Kopečková, J. Kopeček, Č. Koňák, Association of a Substituted Zinc(II) Phthalocyanine - *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugate. *Macromolecules* 28, 8375-8380 (1995).
215. D. Putnam, J. Kopeček, Enantioselective Release of 5-Fluorouracil from HPMA Based Copolymers via Lysosomal Enzymes. *Bioconjugate Chem.* 6, 483-492 (1995).
216. C.M. Peterson, J.M. Lu, Z.-W. Gu, J.-G. Shiah, K. Lythgoe, C.A. Peterson, J. Kopeček, Isobolographic Assessment of the Interaction between Adriamycin and Photodynamic Therapy with meso-Chlorin e_6 Monoethylene Diamine in Human Epithelial Ovarian Carcinoma (OVCAR-3) *In Vitro*. *J. Soc. Gynecol. Invest.* 2, 772-777 (1995).
217. H. Ghandehari, P. Kopečková, P.-Y. Yeh, J. Kopeček, Biodegradable and pH Sensitive Hydrogels: Synthesis by a Polymer - Polymer Reaction. *Macromol. Chem. Phys.* 197, 965-980 (1996).
218. J. Kopeček, P. Kopečková, V. Omelyanenko, Biorecognizable Biomedical Polymers, In: *Advances in Biomedical Polymers in Biomedical Engineering and Drug Delivery Systems*, N. Ogata, S.W. Kim, J. Feijen, T. Okano, Eds., Springer, Tokyo, pp. 91-95 (1996).
219. V. Omelyanenko, P. Kopečková, C. Gentry, J.-G. Shiah, J. Kopeček, HPMA Copolymer - Anticancer Drug - OV-TL16 Antibody Conjugates. 1. Influence of the Method of Synthesis on the Binding Affinity to OVCAR-3 Ovarian Carcinoma Cells *In Vitro*. *J. Drug Targeting* 3, 357-373 (1996).

220. C.M. Peterson, J.M. Lu, Y. Sun, C.A. Peterson, J.-G. Shiah, R.C. Straight, J. Kopeček, Combination Chemotherapy and Photodynamic Therapy with *N*-(2-Hydroxypropyl)methacrylamide Copolymer-bound Anticancer Drugs Inhibit Human Ovarian Carcinoma Heterotransplanted in Nude Mice. *Cancer Res.* 56, 3980-3985 (1996).
221. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Photodynamic Crosslinking of Proteins. 1. Model Studies Using Histidine- and Lysine-Containing *N*-(2-Hydroxypropyl)methacrylamide Copolymers. *J. Photochem. Photobiol. B: Biol.* 34, 203-210 (1996).
222. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Photodynamic Crosslinking of Proteins. 2. Photocrosslinking of a Model Protein - Ribonuclease A. *J. Photochem. Photobiol. B: Biol.* 35, 213-219 (1996).
223. D. Putnam, J.-G. Shiah, J. Kopeček, Intracellularly Biorecognizable Derivatives of 5-Fluorouracil: Implications of Targetable Delivery in the Human Condition. *Biochem. Pharmacol.* 52, 957-962 (1996).
224. H.-C. Chiu, P. Kopečková, S.S. Deshmane, J. Kopeček, Lysosomal Degradation of Poly(α -Amino Acids). *J. Biomed. Mater. Res.* 34, 381-392 (1997).
225. R.C. Rathi, P. Kopečková, J. Kopeček, Biorecognition of Sugar Containing *N*-(2-Hydroxypropyl)-methacrylamide Copolymers by Immobilized Lectin. *Macromol. Chem. Phys.* 198, 1165-1180 (1997).
226. H. Ghandehari, P. Kopečková, J. Kopeček, *In Vitro* Degradation of pH Sensitive Hydrogels Containing Aromatic Azo Bonds. *Biomaterials* 18, 861-872 (1997).
227. H. Ghandehari, P.L. Smith, H. Ellens, P.-Y. Yeh, J. Kopeček, Size-Dependent Permeability of Hydrophilic Probes Across Rabbit Colonic Epithelium. *J. Pharmacol. Exp. Ther.* 280, 747-753 (1997).
228. K.D. Fowers, J. Kopeček, Development of a Fibrinolytic Surface: Specific and Non-Specific Binding of Plasminogen. *Colloids Surfaces, B: Biointerfaces* 9, 315-330 (1997).
229. Č. Koňák, R.C. Rathi, P. Kopečková, J. Kopeček, Photoregulated Association of Water-Soluble Copolymers with Spirobenzopyran-Containing Side Chains. *Macromolecules* 30, 5553-5556 (1997).
230. J.-G. Shiah, Č. Koňák, J.D. Spikes, J. Kopeček, Solution and Photoproperties of *N*-(2-Hydroxypropyl)methacrylamide Copolymer - Meso-Chlorin e_6 Conjugates. *J. Phys. Chem. B* 101, 6803-6809 (1997).
231. J. Kopeček, P. Kopečková, Č. Koňák, Biorecognizable Polymers: Design, Structure, and Bioactivity. *J. Macromol. Sci. A - Pure Appl. Chem.* A34, 2103-2117 (1997).
232. V. Omelyanenko, P. Kopečková, C. Gentry, J. Kopeček, Targetable HPMA Copolymer - Adriamycin Conjugates. Recognition, Internalization, and Subcellular Fate. *J. Controlled Release* 53, 25-37 (1998).
233. V. Omelyanenko, C. Gentry, P. Kopečková, J. Kopeček, HPMA Copolymer - Anticancer Drug - OV-TL16 Antibody Conjugates. 2. Processing in Epithelial Ovarian Carcinoma Cells *In Vitro*. *Int. J. Cancer* 75, 600-608 (1998).
234. T. Minko, P. Kopečková, V. Pozharov, J. Kopeček, HPMA Copolymer Bound Adriamycin Overcomes *MDR1* Gene Encoded Resistance in a Human Ovarian Carcinoma Cell Line. *J. Controlled Release* 54, 223-233 (1998).
235. J.-G. Shiah, Č. Koňák, J. D. Spikes, J. Kopeček, Influence of pH on Aggregation and Photoproperties of *N*-(2-Hydroxypropyl)methacrylamide Copolymer - Meso-Chlorin e_6 Conjugates. *Drug Delivery* 5, 119-126 (1998).

236. E.O. Akala, P. Kopečková, J. Kopeček, Novel pH Sensitive Hydrogels with Adjustable Swelling Kinetics. *Biomaterials* 19, 1037-1047 (1998).
237. S. Wróblewski, P. Kopečková, B. Říhová, J. Kopeček, Lectin - HPMA Copolymer Conjugates: Potential Oral Drug Carriers for Targeting Diseased Tissues. *Macromol. Chem. Phys.* 199, 2601-2608 (1998).
238. Č. Koňák, R.C. Rathi, P. Kopečková, J. Kopeček, Photoassociation of Water-Soluble Copolymers Containing Photochromic Spirobenzopyran Moieties. *Adv. Polym. Technol.* 9, 641-648 (1998).
239. Č. Koňák, M. Helmstedt, P. Kopečková, J. Kopeček, Micellization of Graft Copolymers of Alkyl Methacrylates with α -Methyl- ω -Hydroxy-Poly(oxyethylene) Methacrylates. *J. Coll. Interface Sci.* 208, 252-258 (1998).
240. Z.-R. Lu, P. Kopečková, Z. Wu, J. Kopeček, Functionalized Semitelechelic Poly[*N*-(2-Hydroxypropyl)methacrylamide] for Protein Modification. *Bioconjugate Chem.* 9, 793-804 (1998).
241. T. Minko, P. Kopečková, J. Kopeček, Chronic Exposure to HPMA Copolymer-bound Adriamycin does not Induce Multidrug Resistance in a Human Ovarian Carcinoma Cell Line. *J. Controlled Release* 59, 133-148 (1999).
242. R.H. Lu, P. Kopečková, J. Kopeček, Degradation and Aggregation of Human Calcitonin *In Vitro*. *Pharmaceutical Res.* 16, 359-367 (1999).
243. C. Wang, R.J. Stewart, J. Kopeček, Hybrid Hydrogels Assembled from Synthetic Polymers and Coiled-Coil Protein Domains. *Nature* 397, 417-420 (1999).
244. J.D. Spikes, H.-R. Shen, P. Kopečková, J. Kopeček, Photodynamic Crosslinking of Proteins. III. Kinetics of the FMN- and Rose Bengal-sensitized Photooxidation and Intermolecular Crosslinking of Model Tyrosine-containing *N*-(2-Hydroxypropyl)methacrylamide Copolymers. *Photochem. Photobiol.* 70, 130-137 (1999).
245. V. Omelyanenko, P. Kopečková, R.K. Prakash, C.D. Ebert, J. Kopeček, Biorecognition of HPMA Copolymer – Adriamycin Conjugates by Lymphocytes Mediated by Synthetic Receptor Binding Epitopes. *Pharmaceutical Res.* 16, 1010-1019 (1999).
246. T. Minko, P. Kopečková, J. Kopeček, Comparison of the Anticancer Effect of Free and HPMA Copolymer-bound Adriamycin in Human Ovarian Carcinoma Cells. *Pharmaceutical Res.* 16, 986-996 (1999).
247. Z.-R. Lu, P. Kopečková, Z. Wu, J. Kopeček, Synthesis of Semitelechelic Poly[*N*-(2-Hydroxypropyl)methacrylamide] by Radical Polymerization in the Presence of Alkyl Mercaptans. *Macromol. Chem. Phys.* 200, 2022-2030 (1999).
248. H.-R. Shen, J.D. Spikes, C.J. Smith, J. Kopeček, Photodynamic Crosslinking of Proteins. IV. Nature of the His-His Bond(s) Formed in the Rose Bengal-photosensitized Crosslinking of *N*-Benzoyl-L-Histidine. *J. Photochem. Photobiol. A: Chem.* 130, 1-6 (1999).
249. M. Dvořák, P. Kopečková, J. Kopeček, High-Molecular Weight HPMA Copolymer – Adriamycin Conjugates. *J. Controlled Release* 60, 321-332 (1999).
250. Z.-R. Lu, P. Kopečková, J. Kopeček, Polymerizable Fab' Antibody Fragments for Targeting of Anticancer Drugs. *Nature Biotechnology* 17, 1101-1104 (1999).
251. J.-G. Shiah, Y. Sun, C.M. Peterson, J. Kopeček, Biodistribution of Free and *N*-(2-Hydroxypropyl)methacrylamide Copolymer-Bound Meso Chlorin e₆ and Adriamycin in Nude Mice Bearing Human Ovarian Carcinoma OVCAR-3 Xenografts. *J. Controlled Release* 61, 145-157 (1999).

252. J.M. Lu, C.M. Peterson, J.G. Shiah, Z.-W. Gu, C.A. Peterson, R.C. Straight, J. Kopeček, Cooperativity between Free and *N*-(2-Hydroxypropyl)methacrylamide Copolymer Bound Adriamycin and Mesochlorin e₆ Monoethylene Diamine Induced Photodynamic Therapy in Human Epithelial Ovarian Carcinoma *In Vivo*. *Int. J. Oncology* 15, 5-16 (1999).
253. W.-M. Choi, P. Kopečková, T. Minko, J. Kopeček, Synthesis of HPMA Copolymer Containing Adriamycin Bound via an Acid-labile Spacer and its Activity toward Human Ovarian Carcinoma Cells. *J. Bioact. Comp. Polym.* 14, 447-456 (1999).
254. K. Kunath, P. Kopečková, T. Minko, J. Kopeček, HPMA Copolymer – Anticancer Drug - OV-TL16 Antibody Conjugates. 3. The Effect of Free and Polymer-bound Adriamycin on the Expression of Some Genes in the OVCAR-3 Human Ovarian Carcinoma Cell Line. *Eur. J. Pharmaceutics Biopharm.* 49, 11-15 (2000).
255. H.-R. Shen, J.D. Spikes, C.J. Smith, J. Kopeček, Photodynamic Crosslinking of Proteins. V. Nature of the Tyrosine-Tyrosine Bonds Formed in the FMN-sensitized Intermolecular Crosslinking of *N*-Acetyl-L-Tyrosine. *J. Photochem. Photobiol. A: Chem.* 133, 115-122 (2000).
256. J.-G. Shiah, Y. Sun, C.M. Peterson, R.C. Straight, J. Kopeček, Antitumor Activity of *N*-(2-Hydroxypropyl)methacrylamide Copolymer-Meso Chlorin e₆ and Adriamycin Conjugates in Combination Treatments. *Clin. Cancer Res.* 6, 1008-1015 (2000).
257. P.R. Hart, P. Kopečková, V. Omelyanenko, E. Enioutina, J. Kopeček, HPMA Copolymer-Modified Avidin: Immune Response. *J. Biomat. Sci. Polym. Ed.* 11, 1-12 (2000).
258. T. Minko, P. Kopečková, J. Kopeček, Efficacy of Chemotherapeutic Action of HPMA Copolymer-Bound Doxorubicin in a Solid Tumor Model of Ovarian Carcinoma. *Int. J. Cancer* 86, 108-117 (2000).
259. Z.-R. Lu, S.-Q. Gao, P. Kopečková, J. Kopeček, Synthesis of Bioadhesive Lectin – HPMA Copolymer – Cyclosporin Conjugates. *Bioconjugate Chem.* 11, 3-7 (2000).
260. A. Tang, C. Wang, R. Stewart, J. Kopeček, Self-Assembled Peptides Exposing Epitopes Recognizable by Human Lymphoma Cells. *Bioconjugate Chem.* 11, 363-371 (2000).
261. T. Minko, P. Kopečková, V. Pozharov, K. Jensen, J. Kopeček, The Influence of Cytotoxicity of Macromolecules and of VEGF Gene Modulated Vascular Permeability on the Enhanced Permeability and Retention Effect in Resistant Solid Tumor. *Pharmaceutical Res.* 17, 505-514 (2000).
262. J. Kopeček, P. Kopečková, T. Minko, Z.-R. Lu, HPMA Copolymer – Anticancer Drug Conjugates: Design, Activity, and Mechanism of Action. *Eur. J. Pharmaceutics Biopharm.* 50, 61-81 (2000).
263. M. Demoy, T. Minko, P. Kopečková, J. Kopeček, Time- and Concentration-Dependent Apoptosis and Necrosis Induced by Free and HPMA Copolymer-Bound Doxorubicin in Human Ovarian Carcinoma Cells. *J. Controlled Release* 69, 185-196 (2000).
264. S. Wróblewski, M. Berenson, P. Kopečková, J. Kopeček, Biorecognition of HPMA Copolymer-Lectin Conjugates as an Indicator of Differentiation of Cell-Surface Glycoproteins in Development, Maturation and Diseases of Human and Rodent Gastrointestinal Tissues. *J. Biomed. Mater. Res.* 51, 329-342 (2000).
265. M. Tijerina, K. Fowers, P. Kopečková, J. Kopeček, Chronic Exposure of Human Ovarian Carcinoma Cells to Free or HPMA Copolymer-Bound Mesochlorin e₆ Does Not Induce P-Glycoprotein Mediated Multidrug Resistance. *Biomaterials* 21, 2203-2210 (2000).

266. L. Chen, J. Kopeček, R.J. Stewart, Responsive Hybrid Hydrogels with Volume Transitions Modulated by a Titin Immunoglobulin Module. *Bioconjugate Chem.* 11, 734-740 (2000).
267. D. Wang, P. Kopečková, T. Minko, V. Nanayakkara, J. Kopeček, Synthesis of Star-Like *N*-(2-Hydroxypropyl)methacrylamide Copolymers – Potential Drug Carriers. *Biomacromolecules* 1, 313-319 (2000).
268. C. Wang, R.J. Stewart, J. Kopeček, Genetically Engineered Protein Domains as Crosslinks in Hydrogels, In: *Polymeric Drugs & Delivery Systems*, R.M. Ottenbrite, S.W. Kim, Eds., Technomics Publishing Co., Lancaster, PA, pp. 131-143 (2001).
269. Z.-R. Lu, P. Kopečková, J. Kopeček, Semitelechelic Poly[*N*-(2-hydroxypropyl)methacrylamide] for Biomedical Applications, In: *Polymeric Drugs & Delivery Systems*, R.M. Ottenbrite, S.W. Kim, Eds., Technomics Publishing Co., Lancaster, PA, pp. 1-14 (2001).
270. T. Minko, P. Kopečková, J. Kopeček, Mechanism of Anticancer Action of HPMA Copolymer-Bound Doxorubicin. *Macromolecular Symposia* 172, 35-47 (2001).
271. A. Tang, C. Wang, R.J. Stewart, J. Kopeček, The Coiled Coil in the Design of Protein-Based Constructs: Hybrid Hydrogels and Epitope Displays. *J. Controlled Release* 72, 57-70 (2001).
272. J.-G. Shiah, M. Dvořák, P. Kopečková, Y. Sun, C.M. Peterson, J. Kopeček, Biodistribution and Antitumor Efficacy of Long-Circulating *N*-(2-Hydroxypropyl)methacrylamide Copolymer-Doxorubicin Conjugates in Nude Mice. *Eur. J. Cancer* 37, 131-139 (2001).
273. T. Minko, P. Kopečková, J. Kopeček, Preliminary Evaluation of Caspases-Dependent Apoptosis Signaling Pathways of Free and HPMA Copolymer-Bound Doxorubicin in Human Ovarian Carcinoma Cells. *J. Controlled Release* 71, 227-237 (2001).
274. Z.-R. Lu, S.-Q. Gao, P. Kopečková, J. Kopeček, Modification of Cyclosporin A and Conjugation of Its Derivative to HPMA Copolymers. *Bioconjugate Chem.* 12, 129-133 (2001).
275. S. Wróblewski, B. Říhová, P. Rossmann, T. Hudcovicz, Z. Řeháková, P. Kopečková, J. Kopeček, The Influence of a Colonic Microbiota on HPMA Copolymer – Lectin Conjugates Binding in Rodent Intestine. *J. Drug Targeting* 9, 85-94 (2001).
276. J. Kopeček, A. Tang, C. Wang, R.J. Stewart, De Novo Design of Biomedical Polymers: Hybrids from Synthetic Macromolecules and Genetically Engineered Protein Domains. *Macromolecular Symposia* 174, 31-42 (2001).
277. J. Kopeček, P. Kopečková, T. Minko, Z.-R. Lu, C.M. Peterson, Water Soluble Polymers in Tumor Targeted Delivery. *J. Controlled Release* 74, 147-158 (2001).
278. Y. Kasuya, Z.-R. Lu, P. Kopečková, T. Minko, S.E. Tabibi, J. Kopeček, Synthesis and Characterization of HPMA Copolymer – Aminopropylgeldanamycin Conjugates. *J. Controlled Release* 74, 203-211 (2001).
279. K.D. Fowers, J. Callahan, P. Byron, J. Kopeček, Preparation of Fab' from Murine IgG_{2a} for Thiol Reactive Conjugation. *J. Drug Targeting* 9, 281-294 (2001).
280. A. David, P. Kopečková, A. Rubinstein, J. Kopeček, Enhanced Biorecognition and Internalization of HPMA Copolymers Containing Multi- or Multivalent Carbohydrate Side-Chains by Human Hepatocarcinoma Cells. *Bioconjugate Chem.* 12, 890-899 (2001).

281. L. Varticovski, Z.-R. Lu, I. De Aós, K. Mitchell, R. Christensen, J. Kopeček, A Water-Soluble HPMA Copolymer – Wortmannin Conjugate Retains Phosphoinositide 3-Kinase Inhibitory Activity In Vitro and In Vivo. *J. Controlled Release* 74, 275-281 (2001).
282. M. Tijerina, P. Kopečková, J. Kopeček, The Effects of Subcellular Localization of *N*-(2-Hydroxypropyl)methacrylamide Copolymer-Mce₆ Conjugates in a Human Ovarian Carcinoma. *J. Controlled Release* 74, 269-273 (2001).
283. S. Wróblewski, M. Berenson, P. Kopečková, J. Kopeček, Potential of Lectin – *N*-(2-Hydroxypropyl)methacrylamide Copolymer – Drug Conjugates for the Treatment of Pre-Cancerous Conditions. *J. Controlled Release* 74, 283-293 (2001).
284. Z.-R. Lu, J.-G. Shiah, P. Kopečková, J. Kopeček, Preparation and Biological Evaluation of Polymerizable Antibody Fab' Fragment Targeted Polymeric Drug Delivery System. *J. Controlled Release* 74, 263-268 (2001).
285. J.-G. Shiah, Y. Sun, P. Kopečková, C.M. Peterson, R.C. Straight, J. Kopeček, Combination Chemotherapy and Photodynamic Therapy of Targetable *N*-(2-Hydroxypropyl)methacrylamide Copolymer – Doxorubicin/Mesochlorin e₆ – OV-TL16 Antibody Immunoconjugates. *J. Controlled Release* 74, 249-253 (2001).
286. K. Dušek, M. Dušková-Smrčková, R. Stewart, J. Kopeček, A Model for Swelling Changes in a Covalently Crosslinked Gel Caused by Unfolding of Folded Domains. *Polymer Bulletin* 47, 351-358 (2001).
287. Y. Kasuya, Z.-R. Lu, P. Kopečková, J. Kopeček, Improved Synthesis and Evaluation of 17-Substituted Aminogeldanamycin Derivatives Applicable to Drug Delivery Systems. *Bioorg. Med. Chem. Lett.* 11, 2089-2091 (2001).
288. C. Wang, J. Kopeček, R.J. Stewart, Hybrid Hydrogels Crosslinked by Genetically Engineered Coiled-coil Block Proteins. *Biomacromolecules* 2, 912-920 (2001).
289. S. Sakuma, Z.-R. Lu, P. Kopečková, J. Kopeček, Biorecognizable HPMA Copolymer-Drug Conjugates for Colon-Specific Delivery of 9-Aminocamptothecin. *J. Controlled Release* 75, 365-379 (2001).
290. Č. Koňák, B. Ganchev, M. Teodorescu, K. Matyjaszewski, P. Kopečková, J. Kopeček, Poly[*N*-(2-Hydroxypropyl)methacrylamide-*block*-*n*-Butyl Acrylate] Micelles in Water/DMF Mixed Solvents. *Polymer* 43, 3735-3741 (2002).
291. A. David, P. Kopečková, J. Kopeček, A. Rubinstein, The Role of Galactose, Lactose and their Three-Dimensional Arrangement in the Biorecognition of HPMA Copolymers by Human Colon Adenocarcinoma Cells. *Pharmaceutical Res.* 19, 1114-1122 (2002).
292. Y. Kasuya, Z.-R. Lu, P. Kopečková, S.E. Tabibi, J. Kopeček, Influence of the Structure of Drug Moieties on the In Vitro Efficacy of HPMA Copolymer-Geldanamycin Derivative Conjugates. *Pharmaceutical Res.* 19, 115-123 (2002).
293. Z.-R. Lu, J.-G. Shiah, S. Sakuma, P. Kopečková, J. Kopeček, Design of Novel Bioconjugates for Targeted Drug Delivery. *J. Controlled Release* 78, 165-173 (2002).
294. K.D. Jensen, P. Kopečková, J.H.B. Bridge, J. Kopeček, The Cytoplasmic Escape and Nuclear Accumulation of Endocytosed and Microinjected HPMA Copolymers and a Basic Kinetic Study in HepG2 Cells. *AAPS PharmSci*, 3 (4), paper 32 (2002); www.aapspharmsci.org/scientificjournals/pharmsci/journal/01_32.html.

295. A. Tang, J. Kopeček, Presentations of Epitopes on Peptide Scaffolds and Selection of Lymphoma-Targeting Moieties Based on Epitope Recognition. *Biomacromolecules* 3, 421-431 (2002).
296. Y. Luo, N.J. Bernshaw, Z.-R. Lu, J. Kopeček, G.D. Prestwich, Targeted Delivery of HPMA Copolymer – Hyaluronan – Doxorubicin Bioconjugates. *Pharmaceutical Res.* 19, 396-402 (2002).
297. C. Xu, L. Joss, C. Wang, M. Pechar, J. Kopeček, The Influence of Fusion Sequences on the Thermal Stabilities of Coiled-Coil Proteins. *Macromol. Biosci.* 2, 395-401 (2002).
298. T. Merdan, K. Kunath, D. Fischer, J. Kopeček, T. Kissel, Intracellular Processing of Poly(ethylene imine)/Ribozyme Complexes Can Be Observed in Living Cells Using Confocal Laser Scanning Microscopy and Inhibitor Experiments. *Pharmaceutical Res.* 19, 140-146 (2002).
299. M. Pechar, P. Kopečková, L. Joss, J. Kopeček, Associative Diblock Copolymers of Poly(Ethylene Glycol) and Coiled Coil Peptides. *Macromol. Biosci.* 2, 199-206 (2002).
300. D. Wang, M. Pechar, W. Li, P. Kopečková, D. Brömme, J. Kopeček, Inhibition of Cathepsin K with Lysosomotropic Macromolecular Inhibitors. *Biochemistry* 41, 8849-8859 (2002).
301. K.D. Jensen, P. Kopečková, J. Kopeček, Antisense Oligonucleotides Delivered to the Lysosome Escape and Actively Inhibit the Hepatitis B Virus. *Bioconjugate Chem.* 13, 975-984 (2002).
302. D. Wang, K. Dušek, P. Kopečková, M. Smrčková-Dušková, J. Kopeček, Novel Aromatic Azo-Containing pH-Sensitive Hydrogels: Synthesis and Characterization. *Macromolecules* 35, 7791-7803 (2002).
303. S. Sakuma, Z.-R. Lu, B. Pecharová, P. Kopečková, J. Kopeček, *N*-(2-Hydroxypropyl)methacrylamide Copolymer – 9-Aminocamptothecin Conjugate: Colon-Specific Delivery in Rats. *J. Bioact. Comp. Polym.* 17, 305-319 (2002).
304. J. Kopeček, Swell Gels (News and Views). *Nature* 417, 388-391 (2002).
305. T. Merdan, J. Kopeček, T. Kissel, Prospects for Cationic Polymers in Gene and Oligonucleotide Therapy against Cancer. *Adv. Drug Delivery Rev.* 54, 715-758 (2002).
306. Z.-R. Lu, J.-G. Shiah, P. Kopečková, J. Kopeček, Polymerizable Fab' Antibody Fragment Targeted Photodynamic Cancer Therapy in Nude Mice. *STP Pharma Sci.* 13, 69-75 (2003).
307. K.D. Jensen, A. Nori, M. Tijerina, P. Kopečková, J. Kopeček, Cytoplasmic Delivery and Nuclear Targeting of Synthetic Macromolecules. *J. Controlled Release* 87, 89-105 (2003).
308. A. Nori, K.D. Jensen, M. Tijerina, P. Kopečková, J. Kopeček, Tat Conjugated Synthetic Macromolecules Facilitate Cytoplasmic Drug Delivery to Human Ovarian Carcinoma Cells. *Bioconjugate Chem.* 14, 44-50 (2003).
309. A. Tang, P. Kopečková, J. Kopeček, Binding and Cytotoxicity of HPMA Copolymer Conjugates to Lymphocytes Mediated by Receptor-binding Epitopes. *Pharmaceutical Res.* 20, 360-367 (2003).
310. C.M. Peterson, J.G. Shiah, Y. Sun, P. Kopečková, T. Minko, R.C. Straight, J. Kopeček, HPMA Copolymer Delivery of Chemotherapy and Photodynamic Therapy in Ovarian Cancer. *Adv. Exp. Med. Biol.* 519, 101-123 (2003).
311. M. Tijerina, P. Kopečková, J. Kopeček, Correlation of Subcellular Compartmentalization of HPMA Copolymer-Mce₆ Conjugates with Chemotherapeutic Activity in Human Ovarian Carcinoma Cells. *Pharmaceutical Res.* 20, 728-737 (2003).

312. M. Tíjerina, P. Kopečková, J. Kopeček, Mechanisms of Cytotoxicity in Human Ovarian Carcinoma Cells Exposed to Free Mce₆ or HPMA Copolymer-Mce₆ Conjugates. *Photochem. Photobiol.* 77, 645-652 (2003).
313. A. Nori, K.D. Jensen, M. Tíjerina, P. Kopečková, J. Kopeček, Subcellular Trafficking of HPMA Copolymer-TAT Conjugates in Human Ovarian Carcinoma Cells. *J. Controlled Release* 91, 53-59 (2003).
314. Z.-R. Lu, P. Kopečková, J. Kopeček, Antigen Responsive Hydrogels Based on Polymerizable Antibody Fab' Fragment. *Macromol. Biosci.* 3, 296-300 (2003).
315. J. Kopeček, Smart and Genetically Engineered Biomaterials and Drug Delivery Systems. *Eur. J. Pharm.Sci.* 20, 1-16 (2003).
316. J. Kopeček, P. Kopečková, Macromolecular Therapeutics: State-of-the-Art and Future Potential. *Bulletin Technique Gattefossé* 96, 9-21 (2003).
317. T. Merdan, J. Callahan, H. Petersen, K. Kunath, U. Bakowsky, P. Kopečková, T. Kissel, J. Kopeček, Pegylated Polyethylenimine – Fab' Antibody Fragment Conjugates for Targeted Gene Delivery to Human Ovarian Carcinoma Cells. *Bioconjugate Chem.* 14, 989-996 (2003).
318. D. Wang, S. Miller, M. Sima, P. Kopečková, J. Kopeček, Synthesis and Evaluation of Water-Soluble Polymeric Bone-Targeted Drug Delivery Systems. *Bioconjugate Chem.* 14, 853-859 (2003).
319. N. Nishiyama, A. Nori, A. Malugin, Y. Kasuya, P. Kopečková, J. Kopeček, Free and *N*-(2-Hydroxypropyl)methacrylamide (HPMA) Copolymer-bound Geldanamycin Derivative Induce Different Stress Responses in A2780 Human Ovarian Carcinoma Cells. *Cancer Res.* 63, 7876-7882 (2003).
320. K. Dušek, M. Dušková-Smrčková, M. Ilavský, R. Stewart, J. Kopeček, Swelling Pressure Induced Phase-Volume Transition in Hybrid Biopolymer Gels Caused by Unfolding of Folded Crosslinks: A Model. *Biomacromolecules* 4, 1818-1826 (2003).
321. A. David, P. Kopečková, T. Minko, A. Rubinstein, J. Kopeček, Design of a Multivalent Galactoside Ligand for Selective Targeting of HPMA Copolymer-Doxorubicin Conjugates to Human Colon Cancer Cells. *Eur. J. Cancer* 40, 148-157 (2004).
322. D. Wang, W. Li, M. Pechar, P. Kopečková, D. Brömme, J. Kopeček, Cathepsin K Inhibitor – Polymer Conjugates: Potential Drugs for the Treatment of Osteoporosis and Rheumatoid Arthritis. *Int. J. Pharm.* 277, 73-79 (2004).
323. A. Malugin, P. Kopečková, J. Kopeček, HPMA Copolymer-Bound Doxorubicin Induces Apoptosis in Human Ovarian Carcinoma Cells by a Fas Independent Pathway. *Molecular Pharmaceutics* 1, 174-182 (2004).
324. D. Wang, S.C. Miller, M. Sima, D. Parker, H. Buswell, C. Goodrich, P. Kopečková, J. Kopeček, The Arthrotropism of Macromolecules in Adjuvant Induced Arthritis Rat Model – A Preliminary Study. *Pharmaceutical Res.* 21, 1741-1749 (2004).
325. J. Kopeček, Genetically Engineered Protein Motifs in the Design of Novel Polymers and Drug Delivery Systems, In: *Contemporary Topics in Advanced Polymer Science and Technology*, Q.-F. Zhou, S.Z.D. Cheng, Eds., Peking University Press, pp. 374-386 (2004).
326. P.D. Senter, J. Kopeček, Drug Carriers in Medicine and Biology. *Molecular Pharmaceutics* 1, 395-398 (2004).

327. S.C. Miller, D. Wang, P. Kopečková, J. Kopeček, Biopolymer-Based Delivery System for Advanced Imaging and Skeletal Tissue-Specific Therapeutics. *J. Bone Miner. Metab.* 23(suppl), 103-108 (2005).
328. A. Nori, J. Kopeček, Intracellular Targeting of Polymer-Bound Drugs for Cancer Chemotherapy. *Adv. Drug Delivery Rev.* 57, 609-636 (2005).
329. D. Wang, S. Miller, P. Kopečková, J. Kopeček, Bone-Targeting Macromolecular Therapeutics. *Adv. Drug Delivery Rev.* 57, 1049-1076 (2005).
330. C. Xu, V. Breedveld, J. Kopeček, Reversible Hydrogels from Self-Assembling Genetically Engineered Protein Block Copolymers. *Biomacromolecules* 6, 1739-1749 (2005).
331. R.M. Hyde, K. Jensen, J. Kopeček, A.D. Broom, Confocal Microscopy Studies of a Model Oligoribonucleotide HIV Inhibitor. *Nucleosides, Nucleotides, Nucl. Acids* 24, 1875-1884 (2005).
332. T. Merdan, K. Kunath, H. Petersen, U. Bakowsky, K.H. Voigt, J. Kopeček, T. Kissel, PEGylation of Poly(ethylene imine) Affects Stability of Complexes with Plasmid DNA Under In Vivo Conditions in a Dose-Dependent Manner after Intravenous Injection into Mice. *Bioconjugate Chem.* 16, 785-792 (2005).
333. P. Chivukula, K. Dušek, D. Wang, M. Dušková-Smrčková, P. Kopečková, J. Kopeček, Synthesis and Characterization of Novel Aromatic Azo Bond-Containing pH-Sensitive and Hydrolytically Cleavable IPN Hydrogels. *Biomaterials* 27, 1140-1151 (2006).
334. S.-Q. Gao, Z.-R. Lu, B. Petri, P. Kopečková, J. Kopeček, Colon-Specific 9-Aminocamptothecin – HPMA Copolymer Conjugates Containing a 1,6-Elimination Spacer. *J. Controlled Release* 110, 323-331 (2006).
335. V. Cuchelkar, J. Kopeček, Polymer-Drug Conjugates, In: *Polymers in Drug Delivery*, I.F. Uchegbu, A.G. Schätzlein, Eds., CRC Press, Boca Raton, Florida, pp. 155-182 (2006).
336. A. Malugin, P. Kopečková, J. Kopeček, HPMA Copolymer-Bound Doxorubicin Induces Apoptosis in Ovarian Carcinoma Cells by the Disruption of Mitochondrial Function. *Molecular Pharmaceutics* 3, 351-361 (2006).
337. J. Yang, C. Xu, P. Kopečková, J. Kopeček, Hybrid Hydrogels Self-Assembled from HPMA Copolymers Containing Peptide Grafts. *Macromol. Biosci.* 6, 201-209 (2006).
338. H. Pan, P. Kopečková, D. Wang, J. Yang, S. Miller, J. Kopeček, Water-Soluble HPMA Copolymer – Prostaglandin Conjugates Containing a Cathepsin K Sensitive Spacer. *J. Drug Targeting* 14, 425-435 (2006).
339. H. Ding, W.M. Prodingler, J. Kopeček, Identification of CD21-Binding Peptides with Phage Display and Investigation of Binding Properties of HPMA Copolymer – Peptide Conjugates. *Bioconjugate Chem.* 17, 514-523 (2006).
340. J. Yang, C. Xu, C. Wang, J. Kopeček, Refolding Hydrogels Self-Assembled from *N*-(2-Hydroxypropyl)methacrylamide Graft Copolymers by Antiparallel Coiled-Coil Formation. *Biomacromolecules* 7, 1187-1195 (2006).
341. J. Callahan, J. Kopeček, Semitelechelic HPMA Copolymers Functionalized with Triphenylphosphonium as Drug Carriers for Membrane Transduction and Mitochondrial Localization. *Biomacromolecules* 7, 2347-2356 (2006).
342. H. Ding, W.M. Prodingler, J. Kopeček, Two-Step Fluorescence Screening of CD21-Binding Peptides with One-Bead One-Compound Library and Investigation of Binding Properties of HPMA Copolymer-Peptide Conjugates. *Biomacromolecules* 7, 3037-3046 (2006).

343. D. Wang, M. Sima, R.L. Mosley, J.P. Davda, N. Tietze, S.C. Miller, P.R. Gwilt, P. Kopečková, J. Kopeček, Pharmacokinetic and Biodistribution Studies of a Bone-targeting Drug Delivery System Based on *N*-(2-Hydroxypropyl)methacrylamide (HPMA) Copolymers. *Molecular Pharmaceutics* 3, 717-725 (2006).
344. M. Oman, J. Liu, J. Chen, D. Durrant, H.-S. Yang, Y. He, P. Kopečková, J. Kopeček, R.M. Lee, Using *N*-(2-Hydroxypropyl)methacrylamide Copolymer Drug Bioconjugate as a Novel Approach to Deliver a Bcl-2-Targeting Compound HA14-1 In Vivo. *Gene Ther. Mol. Biol.* 10, 113-122 (2006).
345. C. Xu, J. Kopeček, Self-Assembling Hydrogels. *Polymer Bulletin* 58, 53-63 (2007).
346. S. Gao, Z.-R. Lu, P. Kopečková, J. Kopeček, Biodistribution and Pharmacokinetics of Colon-Specific HPMA Copolymer – 9-Aminocamptothecin Conjugate in Mice. *J. Controlled Release* 117, 179-185 (2007).
347. J. Kopeček, J. Yang, Hydrogels as Smart Biomaterials. *Polymer Int.* 56, 1078-1098 (2007).
348. J. Kopeček, Polymeric Biomaterials and Drug Delivery Systems. *J. Jpn. Biomat. Soc.* 25, 123-135 (2007).
349. H. Ding, P. Kopečková, J. Kopeček, Self-Association Properties of HPMA Copolymers Containing an Amphipatic Heptapeptide. *J. Drug Targeting* 15, 465-474 (2007).
350. A. Malugin, P. Kopečková, J. Kopeček, Liberation of Doxorubicin from HPMA Copolymer Conjugate is Essential for the Induction of Cell Cycle Arrest and Nuclear Fragmentation in Ovarian Carcinoma Cells. *J. Controlled Release* 124, 6-10 (2007).
351. D. Wang, S.C. Miller, L.S. Shlyakhtenko, A.M. Portillo, X.-M. Liu, K. Papangkorn, P. Kopečková, Y. Lyubchenko, W.I. Higuchi, J. Kopeček, Osteotropic Peptide That Differentiates Functional Domains of the Skeleton. *Bioconjugate Chem.* 18, 1375-1378 (2007).
352. J. Kopeček, Hydrogel Biomaterials: A Smart Future? *Biomaterials* 28, 5185-5192 (2007).
353. H. Pan, P. Kopečková, J. Liu, D. Wang, S.C. Miller, J. Kopeček, Stability in Plasmas of Various Species of HPMA Copolymer-PGE₁ Conjugates. *Pharmaceutical Res.* 24, 2270-2280 (2007).
354. C. Xu, J. Kopeček, Genetically Engineered Block Copolymers: Influence of the Length and Structure of the Coiled-Coil Block on Hydrogel Self-Assembly. *Pharmaceutical Res.* 25, 674-682 (2008).
355. H. Pan, J. Kopeček, Multifunctional Water-Soluble Polymers for Drug Delivery, In: *Multifunctional Pharmaceutical Nanocarriers (Fundamental Biomedical Technologies, Vol. 4)* V.P. Torchilin, Ed., Springer, New York, pp. 81-142 (2008).
356. J. Hongrapipat, P. Kopečková, S. Prakongpan, J. Kopeček, Enhanced Antitumor Activity of Combinations of Free and HPMA Copolymer-bound Drugs. *Int. J. Pharmaceutics* 351, 259-270 (2008).
357. S.-Q. Gao, Y. Sun, P. Kopečková, C.M. Peterson, J. Kopeček, Pharmacokinetic Modeling of Absorption Behavior of 9-Aminocamptothecin (9-AC) Released from Colon-Specific HPMA Copolymer – 9-AC Conjugate in Rats. *Pharmaceutical Res.* 25, 218-226 (2008).
358. J. Yang, K. Wu, Č. Koňák, J. Kopeček, Dynamic Light Scattering Study of the Self-Assembly of HPMA Hybrid Graft Copolymers. *Biomacromolecules* 9, 510-517 (2008).
359. K. Wu, J. Yang, Č. Koňák, P. Kopečková, J. Kopeček, Novel Synthesis of HPMA Copolymers Containing Peptide Grafts and their Self-Assembly into Hybrid Hydrogels. *Macromol. Chem. Phys.* 209, 467-475 (2008).

360. V. Cuchelkar, P. Kopečková, J. Kopeček, Synthesis and Biological Evaluation of Disulfide-Linked HPMA Copolymer-Mesochlorin e₆ Conjugates. *Macromol. Biosci.* 8, 375-383 (2008).
361. H. Pan, J. Liu, Y. Dong, M. Sima, P. Kopečková, M.L. Brandi, J. Kopeček, Release of Prostaglandin E₁ from *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates by Bone Cells. *Macromol. Biosci.* 8, 599-605 (2008).
362. H. Pan, M. Sima, P. Kopečková, K. Wu, S. Gao, J. Liu, D. Wang, S.C. Miller, J. Kopeček, Biodistribution and Pharmacokinetic Studies of Bone-Targeting *N*-(2-Hydroxypropyl)methacrylamide Copolymer – Alendronate Conjugates. *Molecular Pharmaceutics* 5, 548-558 (2008).
363. V. Cuchelkar, P. Kopečková, J. Kopeček, Novel HPMA Copolymer-Bound Constructs for Combined Tumor and Mitochondrial Targeting. *Molecular Pharmaceutics* 5, 776-786 (2008).
364. J. Hongrapipat, P. Kopečková, J. Liu, S. Prakongpan, J. Kopeček, Combination Chemotherapy and Photodynamic Therapy with Fab' Fragment Targeted HPMA Copolymer Conjugates in Human Ovarian Carcinoma Cells. *Molecular Pharmaceutics* 5, 696-709 (2008).
365. S.C. Miller, H. Pan, D. Wang, B.M. Bowman, P. Kopečková, J. Kopeček, Feasibility of Using a Bone-Targeted, Macromolecular Delivery System Coupled with Prostaglandin E₁ to Promote Bone Formation in Aged, Estrogen-Deficient Rats. *Pharmaceutical Res.* 25, 2889-2895 (2008).
366. W. Yuan, J. Yang, P. Kopečková, J. Kopeček, Smart Hydrogels Containing Adenylate Kinase: Translating Substrate Recognition into Macroscopic Motion. *J. Am. Chem. Soc.* 130, 15760-15761 (2008).
367. K. Dušek, M. Dušková-Smrčková, J. Yang, J. Kopeček, Coiled-Coil Hydrogels. Effect of Grafted Copolymer Composition and Cyclization on Gelation. *Macromolecules* 42, 2265-2274 (2009).
368. L.C. Radu, J. Yang, J. Kopeček, Self-Assembling Diblock Copolymers of Poly[*N*-(2-hydroxypropyl)methacrylamide] and a β -Sheet Peptide. *Macromol. Biosci.* 9, 36-44 (2009).
369. J. Kopeček, J. Yang, Peptide-Directed Self-Assembly of Hydrogels. *Acta Biomaterialia* 5, 805-816 (2009).
370. R.N. Johnson, P. Kopečková, J. Kopeček, Synthesis and Evaluation of Multivalent Branched HPMA Copolymer-Fab' Conjugates Targeted to the B-Cell Antigen. *Bioconjugate Chem.* 20, 129-137 (2009).
371. E. Segal, H. Pan, P. Ofek, T. Ugadawa, P. Kopečková, J. Kopeček, R. Satchi-Fainaro, Targeting Angiogenesis-Dependent Calcified Neoplasms Using Combined Polymer Therapeutics. *PLoS ONE* 4(4) e5233 (2009); doi:10.1371/journal.pone.0005233.
372. S. Gao, Y. Sun, P. Kopečková, C.M. Peterson, J. Kopeček, Antitumor Efficacy of Colon-Specific HPMA Copolymer – 9-Aminocamptothecin Conjugate in Mice Bearing Human Colon Carcinoma Xenografts. *Macromol. Biosci.* 9, 1135-1142 (2009).
373. J. Callahan, P. Kopečková, J. Kopeček, Intracellular Trafficking and Subcellular Distribution of a Large Array of HPMA Copolymers. *Biomacromolecules* 10, 1704-1714 (2009).
374. J. Liu, P. Kopečková, P. Bühler, P. Wolf, H. Pan, H. Bauer, U. Elsässer-Beile, J. Kopeček, Biorecognition and Subcellular Trafficking of HPMA Copolymer – Anti-PMSA Antibody Conjugates by Prostate Cancer Cells. *Molecular Pharmaceutics* 6, 959-970 (2009).
375. R. Sheparovych, Y. Roiter, J. Yang, J. Kopeček, S. Minko, Stimuli-Responsive Properties of Peptide-Based Copolymers Studied via Directional Growth of Self-Assembled Patterns on Solid Substrate. *Biomacromolecules* 10, 1955-1961 (2009).

376. L.C. Radu-Wu, J. Yang, K. Wu, J. Kopeček, Self-Assembled Hydrogels from Poly[*N*-(2-Hydroxypropyl)methacrylamide] Grafted with β -Sheet Peptides. *Biomacromolecules* 10, 2319-2327 (2009).
377. J. Kopeček, Hydrogels. From Soft Contact Lenses and Implants to Self-Assembled Nanomaterials. *J. Polym. Sci: Part A: Polym. Chem.* 47, 5929-5946 (2009).
378. J. Yang, M.T. Jacobsen, H. Pan, J. Kopeček, Synthesis and Characterization of Enzymatically Degradable PEG-Based Peptide-Containing Hydrogels. *Macromol. Biosci.* 10, 445-454 (2010).
379. K. Wu, J. Liu, R.N. Johnson, J. Yang, J. Kopeček, Drug-Free Macromolecular Therapeutics: Induction of Apoptosis by Coiled-Coil Mediated Crosslinking of Antigens on Cell Surface. *Angew. Chem. Int. Ed.* 49, 1451-1455 (2010).
380. J. Kopeček, P. Kopečková, HPMA Copolymers: Origins, Early Developments, Present, and Future. *Adv. Drug Delivery Rev.* 62, 122-149 (2010).
381. J. Liu, H. Bauer, J. Callahan, P. Kopečková, H. Pan, J. Kopeček, Endocytic Uptake of a Large Array of HPMA Copolymers: Elucidation into the Dependence on the Physicochemical Characteristics. *J. Controlled Release* 143, 71-79 (2010).
382. J. Kopeček, Biomaterials and Drug Delivery – Past, Present, and Future. *Molecular Pharmaceutics* 7, 922-925 (2010).
383. L. Wu, J. Yang, J. Kopeček, Hybrid Hydrogels Self-Assembled from Graft Copolymers Containing Complementary β -Sheets as Hydroxyapatite Nucleation Scaffolds. *Biomaterials* 32, 5341-5353 (2011).
384. K.M. Giantsos-Adams, V. Lopez-Quintaro, P. Kopečková, J. Kopeček, J.M. Tarbell, R. Dull, Study of the Therapeutic Benefit of Cationic Copolymer Administration to Vascular Endothelium Under Mechanical Stress. *Biomaterials* 32, 288-294 (2011).
385. J. Yang, K. Luo, H. Pan, P. Kopečková, J. Kopeček, Synthesis of Biodegradable Multiblock Copolymers by Click Coupling of RAFT-Generated Heterotelechelic PolyHPMA Conjugates. *Reactive Functional Polym.* 71, 294-302 (2011).
386. H. Pan, J. Yang, P. Kopečková, J. Kopeček. Backbone Degradable Multiblock *N*-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates via Reversible Addition-Fragmentation Chain Transfer Polymerization and Thiol-ene Coupling Reaction. *Biomacromolecules* 12, 247-252 (2011).
387. K. Luo, J. Yang, P. Kopečková, J. Kopeček, Biodegradable Multiblock *N*-(2-Hydroxypropyl)methacrylamide Copolymers via Reversible Addition-Fragmentation Chain Transfer Polymerization and Click Chemistry. *Macromolecules* 44, 2481-2488 (2011).
388. S. Krimmer, H. Pan, J. Liu, J. Yang, J. Kopeček, Synthesis and Characterization of Poly(ϵ -Caprolactone)-*block*-Poly[*N*-(2-Hydroxypropyl)methacrylamide] Micelles for Drug Delivery. *Macromol. Biosci.* 11, 1041-1051 (2011).
389. E. Segal, H. Pan, L. Benayoun, P. Kopečková, Y. Shaked, J. Kopeček, R. Satchi-Fainaro, Enhanced Antitumor Activity and Safety Profile of Targeted Nano-scaled HPMA Copolymer – Alendronate – TNP470 Conjugate in the Treatment of Bone Malignancies. *Biomaterials* 32, 4450-4463 (2011).
390. J. Kopeček, P. Kopečková, Design of Polymer-Drug Conjugates, In: *Drug Delivery in Oncology*, F. Kratz, P. Senter, H. Steinhagen, Eds., Wiley-VCH, Weinheim, Germany, Vol. 2, Chapter 17, pp. 485-512 (2012).

391. K. Wu, J. Yang, J. Liu, J. Kopeček, Coiled-Coil Based Drug-Free Macromolecular Therapeutics: In Vivo Efficacy. *J. Controlled Release* 157, 126-131 (2012).
392. J. Liu, P. Kopečková, H. Pan, M. Sima, P. Bühler, P. Wolf, U. Elsässer-Beile, J. Kopeček, Prostate Cancer Targeted *N*-(2-Hydroxypropyl)methacrylamide (HPMA) Copolymer-Docetaxel Conjugates. *Macromol. Biosci.* 12, 412-422 (2012).
393. K. Fowers, J. Kopeček, Targeting of Multidrug Resistant Human Ovarian Carcinoma Cells with Anti-P-Glycoprotein Antibody Conjugates. *Macromol. Biosci.* 12, 502-514 (2012).
394. S.A. Low, J. Kopeček, Targeting Polymer Therapeutics to Bone. *Adv. Drug Delivery Rev.* 64, 1189-1204 (2012).
395. Y. Zhou, J. Yang, J. Kopeček, Selective Inhibitory Effect of HPMA Copolymer – Cycloamine Conjugate on Prostate Cancer Stem Cells. *Biomaterials* 33, 1863-1872 (2012).
396. R.N. Johnson, P. Kopečková, J. Kopeček, Biological Activity of Anti-CD20 Multivalent HPMA Copolymer-Fab' Conjugates. *Biomacromolecules* 13, 727-735 (2012).
397. G. Journo-Gershfeld, D. Kapp, Y. Shamay, J. Kopeček, A. David, Hyaluronan Oligomers-HPMA Copolymer Conjugates for Targeting Paclitaxel to CD44-Overexpressing Ovarian Carcinoma. *Pharmaceutical Res.* 29, 1121-1133 (2012).
398. J. Kopeček, J. Yang, Smart Self-Assembled Hybrid Hydrogel Biomaterials. *Angew. Chem. Int. Ed.* 51, 7396-7417 (2012).
399. T.-W. Chu, J. Yang, J. Kopeček, Anti-CD20 Multivalent HPMA Copolymer-Fab' Conjugates for the Direct Induction of Apoptosis. *Biomaterials* 33, 7174-7181 (2012).
400. Y. Zhou, J. Kopeček, Biological Rationale for the Design of Polymeric Anti-Cancer Nanomedicines. *J. Drug Targeting* 21, 1-26 (2013).
401. J. Kopeček, Polymer – Drug Conjugates: Origins, Progress to Date and Future Directions. *Adv. Drug Delivery Rev.* 65, 49-59 (2013).
402. H. Pan, M. Sima, J. Yang, J. Kopeček, Synthesis of Long-Circulating Backbone Degradable HPMA Copolymer-Doxorubicin Conjugates and Evaluation of Molecular Weight Dependent Antitumor Efficacy. *Macromol. Biosci.* 13, 155-160 (2013).
403. R. Zhang, K. Luo, J. Yang, M. Sima, Y. Sun, M.M. Janát-Amsbury, J. Kopeček, Synthesis and Evaluation of a Backbone Biodegradable Multiblock HPMA Copolymer Nanocarrier for the Systemic Delivery of Paclitaxel. *J. Controlled Release* 166, 66-74 (2013).
404. Y. Zhou, J. Yang, J. Kopeček, Cancer Stem Cells: Potential Target for Anti-Cancer Nanomedicines, In: Tailored Polymer Architectures for Pharmaceutical and Biomedical Applications, C. Scholz, J. Kressler, Eds., ACS Symposium Series 1135, American Chemical Society, Washington, D.C., Chapter 9, pp. 127-149 (2013).
405. N. Larson, J. Yang, A. Ray, D.L. Cheney, H. Ghandehari, J. Kopeček, Biodegradable Multiblock Poly(*N*-2-Hydroxypropyl)methacrylamide Gemcitabine and Paclitaxel Conjugates for Ovarian Cancer Cell Combination Treatment. *Int. J. Pharmaceutics* 454, 435-443 (2013).
406. H. Pan, M. Sima, S.C. Miller, P. Kopečková, J. Yang, J. Kopeček, Efficiency of High Molecular Weight Backbone Degradable HPMA Copolymer – Prostaglandin E₁ Conjugate in Promotion of Bone Formation in Ovariectomized Rats. *Biomaterials* 34, 6528-6538 (2013).

407. Z.-H. Peng, M. Sima, M.E. Salama, P. Kopečková, J. Kopeček, Spacer Length Impacts the Efficacy of Targeted Docetaxel Conjugates in Prostate Specific Membrane Antigen Expressing Prostate Cancer. *J. Drug Targeting* 21, 968-980 (2013).
408. Y. Zhou, J. Yang, J. Rhim, J. Kopeček, HEMA Copolymer-based Combination Therapy Toxic to both Prostate Cancer Stem/Progenitor Cells and Differentiated Cells Induces Durable Anti-Tumor Effects. *J. Controlled Release* 172, 946-953 (2013).
Highlighted as the TOP STORY in Prostate Cell News 4.36, September 20, 2013.
409. A. Duangjai, K. Luo, Y. Zhou, J. Yang, J. Kopeček, Combination Cytotoxicity of Backbone Degradable HEMA Copolymer Gemcitabine and Platinum Conjugates toward Human Ovarian Carcinoma Cells. *Eur. J. Pharmaceutics Biopharm.* 87, 187-196 (2014).
410. T.-W. Chu, J. Yang, R. Zhang, M. Sima, J. Kopeček, Cell Surface Self-Assembly of Hybrid Nanoconjugates via Oligonucleotide Hybridization Induces Apoptosis. *ACS Nano* 8, 719-730 (2014).
Highlighted in Chemical & Engineering News (C&EN); <http://goo.gl/WQAs40>
411. Z.-H. Peng, J. Kopeček, Synthesis and Activity of Tumor-Homing Peptide iRGD and Histone Deacetylase Inhibitor Valproic Acid Conjugate. *Bioorg. Med. Chem. Lett.* 24, 1928-1933 (2014).
412. J. Yang, J. Kopeček, Polymeric Drugs, In: *Encyclopedia of Polymeric Nanomaterials*, S. Kobayashi, K. Müllen, Eds., Springer, pp. 1-9 (2014); doi: 10.1007/978-3-642-36199-9_225-1.
413. J. Yang, J. Kopeček, Macromolecular Therapeutics. *J. Controlled Release* 190, 288-303 (2014).
414. M. Kverka, J.M. Hartley, T.-W. Chu, J. Yang, R. Heidchen, J. Kopeček, Immunogenicity of Coiled-Coil Based Drug-Free Macromolecular Therapeutics. *Biomaterials* 35, 5886-5896 (2014).
415. R. Zhang, J. Yang, M. Sima, Y. Zhou, J. Kopeček, Sequential Combination Therapy of Ovarian Cancer with Degradable *N*-(2-Hydroxypropyl)methacrylamide Copolymer Paclitaxel and Gemcitabine Conjugates. *Proc. Natl. Acad. Sci. USA* 111(33), 12181-12186 (2014).
416. S.A. Low, J. Yang, J. Kopeček, Bone-Targeted Acid-Sensitive Doxorubicin Conjugate Micelles as Potential Osteosarcoma Therapeutics. *Bioconjugate Chem.* 25, 2012-2020 (2014).
417. T.-W. Chu, K.M. Kosak, P.J. Shami, J. Kopeček, Drug-Free Macromolecular Therapeutics Induce Apoptosis of Patient Chronic Lymphocytic Leukemia Cells. *Drug Delivery Translational Res.* 4, 389-394 (2014).
418. Y. Zhou, J. Yang, R. Zhang, J. Kopeček, Combination Therapy of Prostate Cancer with HEMA Copolymer Conjugates Containing PI3K/mTOR Inhibitor and Docetaxel. *Eur. J. Pharmaceutics Biopharm.* 89, 107-115 (2014).
419. Z.-H. Peng, J. Kopeček, HEMA Copolymer CXCR4 Antagonist Conjugates Substantially Inhibited the Migration of Prostate Cancer Cells. *ACS Macro Letters* 3, 1240-1243 (2014).
420. J. Yang, J. Kopeček, Backbone Degradable and Coiled-Coil Based Macromolecular Therapeutics, In: *Bioinspired Systems for Drug, Protein and Gene Delivery*, Z.W. Gu, Ed., Wiley, Chapter 1, pp. 1-27, (2015); ISBN: 978-3-527-33420-9.
421. T.-W. Chu, R. Zhang, J. Yang, M.P. Chao, P.J. Shami, J. Kopeček, A Two-Step Pretargeted Nanotherapy for CD20 Crosslinking May Achieve Superior Anti-Lymphoma Efficacy to Rituximab. *Theranostics* 5, 834-846 (2015).

422. R. Zhang, J. Yang, T.-W. Chu, J.M. Hartley, J. Kopeček, Multimodality Imaging of Coiled-Coil Mediated Self-Assembly in a “Drug-Free” Therapeutic System. *Adv. Healthcare Mater.* 4, 1054-1065 (2015).
423. T.-W. Chu, J. Kopeček, Drug-Free Macromolecular Therapeutics – A New Paradigm in Polymeric Nanomedicines. *Biomaterials Sci.* 3, 908-922 (2015).
424. Z.-H. Peng, J. Kopeček, Enhancing Accumulation and Penetration of HPMA Copolymer Doxorubicin Conjugates in 2D and 3D Prostate Cancer Cells via iRGD Conjugation with an MMP-2 Cleavable Spacer. *J. Am. Chem. Soc.* 137, 6726-6729 (2015).
425. J.M. Hartley, T.-W. Chu, E.M. Peterson, R. Zhang, J. Yang, J. Harris, J. Kopeček, Super-Resolution Imaging and Quantitative Analysis of Membrane Protein/Lipid Raft Clustering Mediated by Cell Surface Self-Assembly of Hybrid Nanoconjugates. *ChemBioChem* 16, 1725-1729 (2015).
426. J. Yang, J. Kopeček, Polymeric Biomaterials and Nanomedicines. *J. Drug Deliv. Sci. Technol.* 30, 318-330 (2015).
427. J. Yang, R. Zhang D.C. Radford, J. Kopeček, FRET-Trackable Biodegradable HPMA Copolymer-Epirubicin Conjugates for Ovarian Carcinoma Therapy. *J. Controlled Release* 218, 36-44 (2015).
428. S.A. Low, C.V. Galiford, J. Yang, P.S. Low, J. Kopeček, Biodistribution of Fracture-Targeted GSK3 β Inhibitor-Loaded Micelles for Improved Fracture Healing. *Biomacromolecules* 16, 3145-3153 (2015).
429. T.-W. Chu, J. Feng, J. Yang, J. Kopeček, Hybrid Polymeric Hydrogels via Peptide Nucleic Acid (PNA)/DNA Complexation. *J. Controlled Release* 220, 608-616 (2015).
430. J.M. Hartley, J. Kopeček, Smart Polymer-Based Nanomedicines, In: *Smart Pharmaceutical Nanocarriers*, V.P. Torchilin, Ed., Imperial College Press, Chapter 11, pp. 373-413 (2016); ISBN: 978-1-78326-722-4.
431. R. Zhang, J. Yang, Y. Zhou, P.J. Shami, J. Kopeček, *N*-(2-Hydroxypropyl)methacrylamide Copolymer-drug Conjugates for Combination Chemotherapy of Acute Myeloid Leukemia. *Macromol. Biosci.* 16, 121-128 (2016).
432. J. Yang, J. Kopeček, Design of Smart HPMA Copolymer-Based Nanomedicines. *J. Controlled Release* 240, 9-23 (2016).
433. J.M. Hartley, R. Zhang, M. Gudheti, J. Yang, J. Kopeček, Tracking and Quantifying Polymer Therapeutic Distribution on a Cellular Level Using 3D dSTORM. *J. Controlled Release* 231, 50-59 (2016).
434. L. Zhang, R. Zhang, J. Yang, J. Wang, J. Kopeček, Indium-based and Iodine-based Labeling of HPMA Copolymer-Epirubicin Conjugates: Impact of Structure on the In Vivo Fate. *J. Controlled Release* 235, 306-318 (2016).
435. R. Zhang, J. Yang, D.C. Radford, Y. Fang, J. Kopeček, FRET Imaging of Enzyme-Responsive HPMA Copolymer Conjugate. *Macromol. Biosci.* 17(1), doi: 10.1002/mabi.201600125 (2017).
436. B. Pelaz, C. Alexiou, R. Alvarez-Puebla, F. Alves, A. Andrews, S. Ashraf, L. Balogh, L. Ballerini, A. Bestetti, C. Brendel, S. Bossi, M. Carril, W. Chan, C. Chen, X. Chen, S. Shen, Z. Cheng, D. Cui, J. Du, C. Dullin, A. Escudero, N. Feliu, M. Gao, M. George, A. Grünweller, Z. Gu, Y. Gogotsi, N. Halas, N. Hampp, R. Hartmann, M. Hersam, P. Hunziker, J. Ji, X. Jiang, P. Jungebluth, P. Kadhiresan, K. Kataoka, A. Khademhosseini, J. Kopeček, N. Kotov, H. Krug, D.S. Lee, C.-M. Lehr, K.W. Leong, X.-J. Liang, M.L. Ling, L. Liz-Marzán, X. Ma, P. Macchiarini, H. Meng, H. Möhwald, P. Mulvaney, A. Nél, S. Nie, P. Nordlander, T. Okano, J. Oliveira, T.H. Park, R. Penner, M. Prato, V. Puntès, V. Rotello, A. Samarakoon, R. Schaak, Y. Shen, S. Sjoqvist, A.G. Skirtach, M. Sollman, M. Stevens, B.Z. Tang, R. Tietze, B. Udugama, H.-W. Sung, T. Weil, P. Weiss, I. Willner, Y. Wu, L. Yang, Z. Yue, Q. Zhang, Q. Zhang, X.

- Zhang, Y. Zhao, X. Zhou, W. Parak, Diverse Applications of Nanomedicine. *ACS Nano* 11, 2313-2381 (2017).
437. S.A. Low, C.V. Galliford, Y.L. Jones-Hall, J. Roy, J. Yang, P.S. Low, J. Kopeček, Healing Efficacy of Fracture-Targeted GSK3 β Inhibitor-Loaded Micelles for Improved Fracture Repair. *Nanomedicine (Lond.)* 12, 185-193 (2017).
438. J. Yang, R. Zhang, H. Pan, Y. Li, Y. Fang, L. Zhang, J. Kopeček, Backbone Degradable HPMA Copolymer Conjugates with Gemcitabine and Paclitaxel: Impact of Molecular Weight on Activity toward Human Ovarian Carcinoma Xenografts. *Mol. Pharmaceutics* 14, 1384-1394 (2017).
439. L. Zhang, Y. Fang, J. Yang, J. Kopeček, Drug-Free Macromolecular Therapeutics: Impact of Structure on Induction of Apoptosis in Raji B Cells. *J. Controlled Release* 263, 139-150 (2017).
440. L. Zhang, Y. Fang, J. Kopeček, J. Yang, A New Construct of Antibody-Drug Conjugates for Treatment of Non-Hodgkin's Lymphoma. *Eur. J. Pharm. Sci.* 103, 36-46 (2017).
Elected Best Research Paper in European Journal of Pharmaceutical Sciences 2017
441. J. Yang, J. Kopeček, The Light at the End of the Tunnel – Second Generation HPMA Conjugates for Cancer Treatment. *Curr. Opin. Colloid Interface Sci.* 31, 30-42 (2017).
442. L. Li, J. Yang, J. Wang, J. Kopeček, Drug-Free Macromolecular Therapeutics Induce Apoptosis via Calcium Influx and Mitochondrial Signaling Pathway. *Macromol. Biosci.* 18(1), 1700196 (2018); doi: 10.1002/mabi.201700196.
Highlighted in Advanced Science News <http://www.advancedsciencenews.com/molecular-therapeutics-drug-free-cancer-treatment/> November 12, 2017. 1002/mabi.201700196.
443. L. Zhang, Y. Fang, L. Li, J. Yang, D.C. Radford, J. Kopeček, Human Serum Albumin Based Drug-Free Macromolecular Therapeutics: Apoptosis Induction by Coiled-Coil-Mediated Cross-Linking of CD20 Antigens on Lymphoma B Cell Surface. *Macromol. Biosci.* 18, 1800224 (2018); <https://doi.org/10.1002/mabi.201800224>.
444. L. Li, J. Yang, J. Wang, J. Kopeček, Amplification of CD20 Crosslinking in Rituximab Resistant B-lymphoma Cells Enhances Apoptosis Induction by Drug-Free Macromolecular Therapeutics. *ACS Nano* 12, 3658-3670 (2018).
445. L. Li, J. Yang, J. Wang, J. Kopeček, Drug-Free Macromolecular Therapeutics Exhibit Amplified Apoptosis in G2/M Phase Arrested Cells. *J. Drug Targeting* 27, 566-572 (2019); doi: 10.1080/1061186X.2018.1521414.
446. L. Li, J. Yang, S. Soodvilai, J. Wang, P. Opanasopit, J. Kopeček, Drug-Free Albumin-Triggered Sensitization of Cancer Cells to Anticancer Drugs. *J. Controlled Release* 293, 84-93 (2019).
447. J. Yang, L. Li, J. Kopeček, Biorecognition - a Key to Drug-free Macromolecular Therapeutics, *Biomaterials* 190-191, 11-23 (2019).
448. J. Wang, L. Li, J. Yang, P.M. Clair, M. Glenn, D.M. Stephens, D.C. Radford, K.M. Kosak, M.W. Deininger, P.J. Shami, J. Kopeček, Drug-free Macromolecular Therapeutics Induce Apoptosis in Cells Isolated from Patients with B Cell Malignancies with Enhanced Apoptosis Induction by Pretreatment with Gemcitabine. *Nanomedicine: Nanotechnology, Biology, and Medicine* 16, 217-225 (2019); <https://doi.org/10.1016/j.nano.2018.12.011>.
449. L. Li, J. Wang, Y. Li, D.C. Radford, J. Yang, J. Kopeček, Broadening and Enhancing Functions of Antibodies by Self-Assembling Multimerization at Cell Surface. *ACS Nano* 13, 11422-11432 (2019); doi:10.1021/acsnano.9b04868.
ACS Editors' Choice.

450. L. Li, Y. Li, C.-H. Yang, D.C. Radford, J. Wang, M. Janát-Amsbury, J. Kopeček, J. Yang, Inhibition of Immunosuppressive Tumors by Polymer-Assisted Inductions of Immunogenic Cell Death and Multivalent PD-L1 Crosslinking. *Adv. Funct. Mater.* (2020) 1908961; doi: 10.1002/adfm.201908961.
451. D.C. Radford, J. Yang, M. Doan, L. Li, A.S. Dixon, S.C. Owen, J. Kopeček, Multivalent HER2-Binding Polymer Conjugates Facilitate Rapid Endocytosis and Enhance Intracellular Drug Delivery. *J. Controlled Release* 319, 285-299 (2020); <https://doi.org/10.1016/j.conrel.2019.12.049>.
452. J. Wang, Y. Li, L. Li, J. Yang, J. Kopeček, Exploration and Evaluation of Therapeutic Efficacy of Drug-Free Macromolecular Therapeutics in Collagen-Induced Rheumatoid Arthritis Mouse Model. *Macromol. Biosci.* (2020) 1900445; doi: 10.1002/mabi.201900445.
453. J. Kopeček, J. Yang, Polymer Nanomedicines. *Adv. Drug Deliv. Rev.* 156, 40-64 (2020); <https://doi.org/10.1012/j.addr.2020.07.020>.
454. Y. Li, L. Li, J. Wang, D.C. Radford, Z. Gu, J. Kopeček, J. Yang, Dendronized Polymer Conjugates with Amplified Immunogenic Cell Death for Oncolytic Immunotherapy. *J. Controlled Release* 329, 1129-1138 (2021); <https://doi.org/10.1016/j.jconrel.2020.10.041>.
455. L. Li, J. Wang, D.C. Radford, J. Kopeček, J. Yang, Combination Treatment with Immunogenic and Anti-PD-L1 Polymer-Drug Conjugates of Advanced Tumors in a Transgenic MMTV-PyMT Mouse Model of Breast Cancer. *J. Controlled Release* 332, 652-659 (2021); <https://doi.org/10.1016/j.jconrel.2021.02.011>.
456. M.T. Gambles, J. Li, J. Wang, D. Sborov, J. Yang, J. Kopeček, Crosslinking of CD38 Receptors Triggers Apoptosis of Malignant B Cells. *Molecules* 26, 4658 (2021); <https://doi.org/10.3390/molecules26154658>.
457. J. Wang, J. Yang, J. Kopeček, Nanomedicines in B Cell Targeting Therapies. *Acta Biomater.* 137, 1-19 (2022); <https://doi.org/10.1016/j.actbio.2021.10.024>.
458. M.T. Gambles, J. Li, D.C. Radford, D. Sborov, P. Shami, J. Yang, J. Kopeček, Simultaneous Crosslinking of CD20 and CD38 Receptors by Drug-Free Macromolecular Therapeutics Enhances B Cell Apoptosis In Vitro and In Vivo. *J. Controlled Release* 350, 584-599 (2022); <https://doi.org/10.1016/j.jconrel.2022.08.045>.
459. Z.-H. Peng, C.M. Jogdeo, J. Li, Y. Xie, Y. Wang, Y.M. Sheinin, J. Kopeček, D. Oupický, Tumor Microenvironment-Responsive Polymeric iRGD and Doxorubicin Conjugates Reduce Spontaneous Lung Metastasis in an Orthotopic Breast Cancer Model. *Pharmaceutics* 14, 1725 (2022); <https://doi.org/10.3390/pharmaceutics14081725>.
460. M.T. Gambles, J. Yang, J. Kopeček, Multi-Targeted Immunotherapeutics to Treat B Cell Malignancies. *J. Controlled Release* 358, 232-258 (2023).
461. M.T. Gambles, D. Sborov, P. Shami, J. Yang, J. Kopeček, Obinutuzumab-Based Drug-Free Macromolecular Therapeutics Synergizes with Topoisomerase Inhibitors. *Macromol. Biosci.* (2023) 2300375; <https://doi.org/10.1002/mabi.202300375>.
462. J. Kopeček, Hydrophilic Biomaterials: From Crosslinked and Self-Assembled Hydrogels to Polymer-Drug Conjugates and Drug-Free Macromolecular Therapeutics. Invited "Magnum Opus" manuscript. *J. Controlled Release* 373, 1-22 (2024).
463. J. Li, M.T. Gambles, B. Jones, J.A. Williams, N.J. Camp, P.J. Shami, J. Yang, J. Kopeček, Human Serum Albumin-Based Drug-Free Macromolecular Therapeutics Induce Apoptosis in Chronic Lymphocytic Leukemia Patient Cells by Crosslinking of CD20 and/or CD38 Receptors. *Drug Delivery Translational Res.* 14, 2203-2215 (2024); <https://doi.org/10.1007/s13346-024-01629-3>.

464. M.T. Gambles, S. Li, I. Kendell, J. Li, D. Sborov, P. Shami, J. Yang, J. Kopeček, Multiantigen T-Cell Hybridizers: A Two Component T-Cell Activating Therapy. *ACS Nano* 18, 23341-23353 (2024); <https://doi.org/10.1021/acsnano.4c06500>.
465. J. Li, J. Arnold, M. Sima, H. Al Faruque, J. Galang, S. Hu-Lieskovan, J. Kopeček, J. Yang, Combination of Multivalent DR5 Receptor Clustering Agonists and Histone Deacetylase Inhibitors for Treatment of Colon Cancer. *J. Controlled Release* 376, 1014-1024 (2024); <https://doi.org/10.1016/j.conrel.2024.10.062>.
466. M.T. Gambles, I. Kendell, J. Li, K. Spainhower, D. Sborov, S. Owen, A. Stark, D. Bearss, J. Yang, J. Kopeček, Two-Component T-Cell Immunotherapy Enables Antigen Pre-Targeting to Reduce Cytokine Release Without Forfeiting Efficacy. *Nanomedicine: Nanotechnology, Biology, and Medicine* 67 (2025) 102825; <https://doi.org/10.1016/j.nano.2025.102825>.
467. J. Li, H. Al Faruque, S. Li, M. Sima, D. Sborov, S. Hu-Lieskovan, T. Werner, J. Kopeček, J. Yang, PD-L1 Targeted Antibody-Polymer-Epirubicin Conjugate Prolongs Survival in a Preclinical Murine Model of Advanced Ovarian Cancer. *J. Controlled Release*, submitted.
468. V.A. Ljubimov, T. Sun, J. Wang, L. Li, P.Z. Wang, A.V. Ljubimov, E. Holler, K.L. Black, J. Kopeček, J.Y. Ljubimova, J. Yang, Blood-brain Barrier Crossing Biopolymer Targeting c-Myc and Anti-PD-1 Activate Primary Brain Lymphoma Immunity: Artificial Intelligence Analysis. *J. Controlled Release* 381, 113611 (2025); <https://doi.org/j.jconrel.2025.113611>.
469. S. Li, J. Li, H. Al Faruque, P. Shami, B. Knoechel, J. Lohr, D. Sborov, J. Yang, J. Kopeček, Self-Assembling Multi-Antigen T Cell Hybridizers for Precision Immunotherapy of Multiple Myeloma. *Adv. Healthcare Mater.* e02156 (2025); <https://doi.org/10.1002/adhm.202502156>.
470. J. Li, S. Li, H. Al Faruque, J. Kopeček, D.W. Sborov, J. Yang, CD38-Targeted Antibody-Polymer Drug Conjugates for Enhanced Treatment of Multiple Myeloma. *Biomaterials* 324 (2026) 123464; <https://doi.org/10.1016/j.biomaterials.2025.123464>.
471. J. Li, H. Al Faruque, E. Cortes-Sanchez, M. VanBrocklin, S. Hu-Lieskovan, M. Cina, A. Young, J. Kopeček, J. Yang, Polymer-based Chemo-Immunotherapy Combining Immunogenic Cell Death Induction and PD-L1 Blockade Enhances Antitumor Immunity in Melanoma. *J. Controlled Release* 114193 (2025); <https://doi.org/10.1016/j.jconrel.2025.114193>.

U.S. PATENTS

1. Increasing Permeability of Reverse Osmosis Membranes. J. Kopeček, S. Sourirajan (1970) US 3,536,612.
2. Method of Hydrophilization of Transparent Objects Made of Hydrophobic Organic Polymers. D. Lím, J. Kopeček, J. Vacík (1973) US 3,745,042.
3. Device for Connecting or Joining the Ends of Interrupted Tubular Organs in Surgical Operations without Stitching. D. Lím, L. Šprincl, J. Kopeček (1973) US 3,774,615.
4. Method for Producing of Articles from Hydrophilic Polymers Appropriate for Repeated or Long-Term Contact with Living Tissue or Mucous Membrane. D. Lím, J. Kopeček, H. Bažilová, J. Vacík (1975) US 3,876,594.
5. Soluble Hydrophilic Polymers and Process for Processing the Same. J. Kopeček, J. Vacík, L. Šprincl (1976) US 3,931,111.
6. Hydrophilic Nitrite Copolymers. J. Vacík, J. Kopeček (1976) US 3,931,123.
7. Infusion Solutions and Method of Manufacturing the Same. D. Lím, L. Šprincl, J. Kopeček, J. Vacík (1976) US 3,954,966.
8. Soluble Hydrophilic Polymers and Process for Processing the Same. J. Kopeček, J. Vacík, L. Šprincl (1976) US 3,997,660.
9. Copolymers Based on *N*-Substituted Acrylamides, *N*-Substituted Methacrylamides and *N,N*-Disubstituted Acrylamides and the Method of their Manufacturing. J. Kopeček, K. Ulbrich, J. Vacík, J. Strohalm, V. Chytrý, J. Drobník, J. Kálal (1977) US 4,062,831.
10. Hydrophilic *N,N*-Diethyl Acrylamide Copolymers. D. Lím, J. Kopeček, H. Bažilová nee Zvěřinová, J. Vacík (1978) US 4,074,039.
11. Preparation of Biologically Active Substances Bearing -NH₂ Groups in a Form Releasable by Enzymatic Cleavage. J. Drobník, J. Kopeček, J. Labský, P. Rejmanová, J. Exner, J. Kálal (1978) US 4,097,470.
12. Synthetic Polymeric Drugs. J. Kopeček, P. Rejmanová, J. Strohalm, K. Ulbrich, B. Říhová, V. Chytrý, J.B. Lloyd, R. Duncan (1991) US 5,037,883.
13. Polymer Supersurfactants for Protein Resistance and Protein Removal. J.D. Andrade, J. Kopeček, J.H. Lee (1991) US 5,075,400.
14. Drug Delivery System for the Simultaneous Delivery of Drugs Activatable by Enzymes and Light. J. Kopeček, N.L. Krinick (1993) US 5,258,453.
15. Colonic-Targeted Oral Drug-Dosage Forms Based on Crosslinked Hydrogels Containing Azobonds and Exhibiting pH-Dependent Swelling. J. Kopeček, S.W. Kim, H. Brøndsted, P. Kopečková (1995) US 5,415,864.
16. Degradable Macromolecular Magnetic Resonance Imaging Contrast Agents and Methods Thereof. Z-R. Lu, J. Kopeček, D.L. Parker (2006) US 6,982,324.
17. Hydrogels of Water-Soluble Polymers Crosslinked by Protein Domains. J. Kopeček, R. Stewart, K. Caldwell, C. Wang, C-H. Ho (2007) US 7,179,487.
18. Degradable Macromolecular Magnetic Resonance Imaging Contrast Agents and Methods Thereof. Z-R. Lu, J. Kopeček, D.L. Parker (2010) US 7,745,590.

19. Conjugate of a Polymer, an Anti-Angiogenesis Agent and a Targeting Moiety, and Uses Thereof in the Treatment of Bone Related Angiogenesis Conditions. R. Satchi-Fainaro, E. Segal, J. Kopeček, P. Kopečková, H. Pan (Apr. 22, 2014) US 8,703,114.
20. Polymeric Drug Delivery Conjugates and Methods of Making and Using Thereof. H. Pan, J. Yang, P. Kopečková, K. Luo, J. Kopeček (March 22, 2016) US 9,289,510.
21. HPMA-Drug Conjugates for the Treatment of Acute Myeloid Leukemia. P. Shami, J. Kopeček, J. Yang, R. Zhang. PCT Application No. PCT/US2016/043732 (filed July 2016).
22. Antibody-Polymer-Drug Conjugates. J. Yang, J. Kopeček, L. Zhang, J. Fang (Oct. 31, 2023) US 11,801,307 B2.
23. Compositions and Methods for Inducing Apoptosis. J. Kopeček, J. Yang, T.-W. Chu (Apr. 9, 2019) US 10,251,906 B2.
24. Macromolecular Delivery Systems for Non-invasive Imaging, Evaluation, and Treatment of Arthritis and Other Inflammatory Diseases. D. Wang, J. Kopeček, S.C. Miller, P. Kopečková (Jan. 8, 2019) US 10,172,962 B2.
25. Bone Fracture Repair by Targeting of Agents that Promote Bone Healing. S. Low, P.S. Low, C. Galliford, J. Kopeček, J. Yang (May 7, 2019) US 10,279,044 B2
26. Bone Fracture Repair by Targeting of Bone Anabolic Agents. S. Low, P.S. Low, C. Galliford, J. Kopeček, J. Yang (Aug. 18, 2020) US 10,744,203 B2.
27. Compositions and Methods for Using Albumin-Based Nanomedicines. J. Kopeček, J. Yang (Feb. 23, 2021) US 10,925,973 B2.
28. Compositions and Methods for Inducing Apoptosis. J. Kopeček, J. Yang, T.-W. Chu (Feb. 23, 2022) US 11,213,540 B2.
29. Bone Fracture Repair by Targeting of Agents that Promote Bone Healing. S. Low, J. Yang, P. Low, C. Galliford, J. Kopeček, J. Yang (Apr. 11, 2023) US 11,623,009 B2.
30. Multi-Specific Self-Assembled Drug-Free Macromolecular T-Cell Engagers. J. Kopeček, M.T. Gambles, J. Yang. US Patent Application, filed July 2024.
31. Angiopep-2 Mediated Brain-Targeted Paclitaxel Conjugate for the Treatment of Alzheimer Disease. J. Yang, D. Cross, J. Kopeček, M.T. Gambles. US Patent Application, filed July 2024.
32. Polymeric Drug Delivery Conjugates and Methods of Making and Using Thereof. J. Yang, L. Li, M. Peterson, J. Kopeček (July 8, 2025) US 12,350,337 B2.

ABSTRACTS (from 1987)

1. J. Kopeček, Targetable Drug Carriers: Structure - Properties Relationship. 14th Int. Symp. Controlled Release of Bioactive Materials, Toronto, Canada, August 1987. Proceedings, pp. 125-126.
2. J.F. Bridges, J.F. Woodley, R. Duncan, P. Kopečková, J. Kopeček, *In Vitro* and *In Vivo* Evaluation of *N*-(2-Hydroxypropyl)methacrylamide Copolymers as a Potential Drug Delivery System. 14th Int. Symp. Controlled Release of Bioactive Materials, Toronto, Canada, August 1987. Proceedings, pp. 14-15.
3. J.H. Lee, J. Kopeček, P. Kopečková, J.D. Andrade, Surface Properties of Aqueous PEO-Containing Block Copolymers Surfactants: Protein Resistant Surfaces. ACS Fall 1987 Meeting, Division of Polymeric Materials: Science and Engineering, New Orleans, LA. Proceedings 57, 613-617 (1987).
4. J. Kopeček, Synthetic Water-Soluble Copolymers as Drug Carriers. ACS Fall 1987 Meeting, Division of Microbial and Biochemical Technology, New Orleans, LA. Abstract.
5. J.-N. Lin, J. Herron, J. Kopeček, J.D. Andrade, Ab-Ag Interactions on Silica Substrates for Immunosensors. 40th Annual Conference on Engineering in Medicine and Biology, Niagara Falls, NY, September 10-13, 1987.
6. H.-R. Yen, J. Kopeček, J.D. Andrade, Synthetic Water-Soluble Copolymers for Optically Controlled Ligand Delivery. ACS Fall 1987 Meeting, Division of Polymeric Materials: Science and Engineering, New Orleans, LA. Proceedings 57, 243-247 (1987).
7. J. Kopeček, Development of Tailor-Made Polymeric Prodrugs for Systemic and Oral Delivery. Int. Symposium on Polymer Drugs and Polymeric Drug Carriers - Development and Applications, Nagasaki, Japan, October 1987. Proceedings, pp. 49-52.
8. J. Kopeček, The Role of Lysosomal Enzymes in the Delivery of Anticancer Drugs. 14th International Congress of Biochemistry, Prague, July 1988. Proceedings, Abstract TU:C39-8.
9. J.-N. Lin, P. Kopečková, J. Ives, H. Chuang, J. Kopeček, J. Herron, H.-R. Yen, D. Christensen, J.D. Andrade, Remote, Continuous, Multichannel Biochemical Sensors Based on Fluorimmunoassay Techniques. 14th International Congress of Biochemistry, Prague, July 1988. Proceedings.
10. J. Cassidy, G. Morrison, R. Duncan, J. Strohalm, D. Plocová, J. Kopeček, S.B. Kaye, Daunomycin - *N*-(2-Hydroxypropyl)methacrylamide Copolymers as a Drug Delivery System in a Murine Tumour Model. EORTC Pharmacology and Metabolism Group Meeting, Aviano, Italy, June 1988. Proceedings.
11. J. Kopeček, K. Ulbrich, B. Říhová, R. Duncan, Biochemical Rationale of Anticancer Drug Targeting. Int. Conference, "Interbiotech '88", Bratislava, Czechoslovakia, June 1988. Proceedings.
12. J.-N. Lin, J. Herron, P. Kopečková, J. Kopeček, J.D. Andrade, Photoregulation of Ag-Ab Affinities for Immunosensor Applications. The Third World Biomaterials Congress, April 21-25, 1988, Kyoto, Japan. Proceedings, Abstract 4C1-33.
13. J.-H. Lee, P. Kopečková, J. Zhang, J. Kopeček, J.D. Andrade, Protein Resistance of Polyethyleneoxide Surfaces. ACS Fall 1988 Meeting, Division of Polymeric Materials: Science and Engineering, Los Angeles, CA. Proceedings 59, 234-238.
14. J. Kopeček, The Potential of Water-Soluble Polymeric Carriers in Targeted and Site-Specific Drug Delivery. 4th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 21-24, 1989. Proceedings, pp. 87-88.

15. R. Duncan, I.C. Hume, K.B. O'Hare, J. Strohmalm, J. Kopeček, K. Ulbrich, Antitumor Activity of *N*-(2-Hydroxypropyl)methacrylamide Copolymers Containing Anthracyclines. 30th Ann. Meeting of Brit. Assoc. Cancer Research, University of Glasgow, April 10-12, 1989. Proceedings, p. 34.
16. J. Cassidy, R. Duncan, G.J. Morrison, J. Strohmalm, D. Plocová, J. Kopeček, S.B. Kaye, Activity of HPMA Copolymers Containing Daunomycin against a Rat Tumor Model. 30th Ann. Meeting of Brit. Assoc. Cancer Research, University of Glasgow, April 10-12, 1989. Proceedings p. 34.
17. J. Kopeček, K. Ulbrich, R. Duncan, B. Říhová, Potential of Targetable Polymeric Prodrugs in Cancer Therapy. International Conference "Polymers in Medicine '88, Warsaw, October 1988. Proceedings.
18. Y.A. Grim, J. Kopeček, Bioadhesive Water-Soluble Polymeric Drug Carriers for Site-Specific Oral Delivery. 1. Synthesis, Characterization and 5-Aminosalicylic Acid Release *In Vitro*. 16th International Symposium on Controlled Release of Bioactive Materials, Chicago, Illinois, August 6-11, 1989. Proceedings, pp. 211-212.
19. L. Fornůsek, Y.A. Grim, R. Duncan, J.F. Woodley, J. Kopeček, Bioadhesive Water-Soluble Polymeric Drug Carriers for Site-Specific Oral Delivery. 2. Body Distribution in Guinea Pigs after Oral Administration. 16th International Symposium on Controlled Release of Bioactive Materials, Chicago, Illinois, August 6-11, 1989. Proceedings, pp. 398-399.
20. R. Duncan, H. Yardley, K. Ulbrich, J. Kopeček, Antitumor Activity of *N*-(2-Hydroxypropyl)methacrylamide Copolymers Bearing Sarcocystin Measured *In Vitro*. 16th International Symposium on Controlled Release of Bioactive Materials, Chicago, Illinois, August 6-11, 1989. Proceedings, pp. 140-141.
21. N.L. Krinick, B. Říhová, K. Ulbrich, J. Strohmalm, J. Kopeček, Targetable Photoactivatable Drugs. 16th International Symposium on Controlled Release of Bioactive Materials, Chicago, Illinois, August 6-11, 1989. Proceedings, pp. 138-139.
22. R. Duncan, L.W. Seymour, K. Ulbrich, J. Kopeček, Development of Targetable Polymeric Drug Carriers for Delivery of Anthracyclines. 6th NCI-EORTC Symposium on New Drugs in Cancer Therapy, Amsterdam, March 7-10, 1989. Abstract 073.
23. J.D. Andrade, J.-N. Lin, V. Hlady, J. Herron, D. Christensen, J. Kopeček, Immunosensors: Remaining Problems in the Development of Remote, Continuous, Multi-Channel Devices. 3rd Annual Biosensors Symposium, N. Carolina Am. Chem. Soc. Section, September 8-9, 1989.
24. R. Duncan, P.A. Flanagan, L.W. Seymour, B. Říhová, J. Kopeček, Cellular Processing and Biocompatibility of Antibody-Polymer Conjugates. Advances in the Application of Monoclonal Antibodies in Clinical Oncology, Royal Postgraduate Medical School, University of London, June 21-23, 1989. Proceedings, p. 16.
25. P.A. Flanagan, B. Říhová, J. Kopeček, R. Duncan, Immunogenicity of *N*-(2-Hydroxypropyl)-methacrylamide Copolymer - Drug Conjugates. 33rd Harden Conference, London, U.K., September 1989. Proceedings, p. 57.
26. J. Kopeček, N.L. Krinick, B. Říhová, K. Ulbrich, Targetable *N*-(2-Hydroxypropyl)-methacrylamide Copolymer - Chlorin e_6 Conjugates. SPIE Conference, Photodynamic Therapy: Mechanism II, Los Angeles, CA, January 14-19, 1990. SPIE Proceedings 1203, 144-152 (1990).
27. J. Kopeček, P. Kopečková, Water-Soluble Polymers as Targetable Drug Carriers. 198th ACS National Meeting, Division of Medicinal Chemistry, Miami Beach, Florida, September 10-15, 1989. Abstracts.

28. J. Kopeček, P. Kopečková, Targetable Polymeric Drugs. First Japan International SAMPE Symposium, Nippon Convention Center, Chiba, Japan, November 28-December 1, 1989, Proceedings, pp. 669-674.
29. J. Kopeček, Targetable Polymeric Anticancer Drugs: Temporal Control of Drug Activity. The New York Academy of Sciences Conference "Temporal Control of Drug Delivery", New York, February 26-28, 1990. Abstract 25.
30. J. Kopeček, B. Říhová, N.L. Krinick, Targetable Photoactivatable Polymeric Drugs. First European Symposium on Controlled Drug Delivery, Noordwijk aan Zee, The Netherlands, March 28-30, 1990. Abstracts, pp. 45-47.
31. J.D. Andrade, N.-N. Lin, V. Hlady, J. Herron, D. Christensen, J. Kopeček, Immunosensors: Remaining Problems in the Development of Remote, Continuous, Multi-Channel Devices for Coagulation of Proteins. Int. Symposium "Biomation in the 21st Century", Nihon University, Japan, May 12-14, 1990.
32. J. Zhang, Z. Yang, J. Kopeček, J.D. Andrade, Crosslinkable PEO-Containing Polymeric Surfactants. 8th Int. Symposium on Surfactants in Solution, Gainesville, Florida, June 10-15, 1990.
33. H. Brøndsted, J. Kopeček, Hydrogels for Colon-Specific Oral Drug Delivery. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 267.
34. S. Oscarsson, J. Kopeček, Susceptibility of Zymogens Adsorbed at Solid-Liquid Interfaces to Enzymatically Catalyzed Hydrolysis. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract #109.
35. P. Kopečková, K. Ikesue, J. Kopeček, Cleavage of Oligopeptide Side-Chains Attached to Polymeric Carrier by Guinea Pig Brush Border Membrane Enzymes. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 265.
36. P. Kopečková, H.-C. Chiu, S. Zalipsky, J. Kopeček, Enzymatic Activity of Poly(Ethylene Oxide) Modified Chymotrypsin Towards Low-and High-Molecular Weight Substrates. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 108.
37. N.L. Krinick, B. Říhová, J. Kopeček, Targetable Polymeric Carriers of Photosensitive Drugs. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 266.
38. R.C. Rath, B. Říhová, P. Kopečková, J. Kopeček, Bioadhesive Water Soluble Polymeric Drug Carriers for Site Specific Drug Delivery. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 264.
39. H.-R. Yen, J.D. Andrade, J. Kopeček, Optically Controlled Ligand Delivery. 1. Copolymers Containing 2-Nitrobenzyl Bonds. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 81.
40. H.-R. Yen, J.D. Andrade, J. Kopeček, Optically Controlled Ligand Delivery. 2. Copolymers Containing α -Methylphenacyl Bonds. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 82.
41. J. Kopeček, The Potential of Water-Soluble Polymers in Targeted Drug Delivery. 45th Northwest/10th Rocky Mountain Regional Meeting of the ACS, Salt Lake City, Utah, June 13-15, 1990. Abstract 94.
42. P. Kopečková, K. Ikesue, L. Fornusek, J. Kopeček, Cleavage of Peptide Bonds by Guinea Pig Brush Border Membrane Enzymes. 17th Int. Symposium on Controlled Release of Bioactive Materials, Reno, Nevada, July 22-25, 1990. Proceedings, pp. 130-131.

43. H. Brøndsted, J. Kopeček, Hydrogels for Site-Specific Oral Delivery. 17th Int. Symposium on Controlled Release of Bioactive Materials, Reno, Nevada, July 22-25, 1990. Proceedings, pp. 128-129.
44. B. Říhová, N.L. Krinick, K. Ulbrich, J. Strohalm, J. Kopeček, Immunosuppressive Effect of a Targetable Polymer Bound Photosensitizer. 17th Int. Symposium on Controlled Release of Bioactive Materials, Reno, Nevada, July 22-25, 1990. Proceedings, pp. 43-44.
45. J. Kopeček, Hydrogel Drug Delivery. 17th Int. Symposium on Controlled Release of Bioactive Materials, Reno, Nevada, July 22-25, 1990. Proceedings, pp. 15-16.
46. J. Kopeček, P. Kopečková, Targetable Polymeric Drugs. American Chemical Society Meeting, Washington, D.C., August 26-31, 1990. Polymer Preprints 31, 196-197 (1990).
47. K. Ulbrich, B. Říhová, J. Kopeček, R. Duncan, Water Soluble Polymeric Carriers in Targeted and Site-Specific Drug Delivery. Symposium on Physiologic Mechanisms and Pathologies Involved in Drug Targeting and Imaging, Compiègne, France, June 11-13, 1990.
48. B. Říhová, J. Kopeček, Antibody-Mediated Drug Targeting. International Symposium "BIOMAT 90 - Polymers and Immobilized Cells or Biomolecules", Bordeaux, France, December 12-14, 1990. J. Mater. Sci. Mater. Med. 2, 238-242 (1991).
49. H. Brøndsted, J. Kopeček, Hydrogels for Protein Drug Delivery to the Colon. Amer. Assoc. Pharm. Sci. Meeting, Las Vegas, Nevada, November 4-8, 1990. Proceedings.
50. R. Rath, B. Říhová, P. Kopečková, J. Kopeček, Bioadhesive Water Soluble Polymeric Carriers for Site-Specific Drug Delivery: Synthesis, Characterization and Bioadhesion Studies. Polymers 91, Pune, India, January 1-4, 1991. Proceedings, pp. 1032-1036.
51. J. Kopeček, Polymers for Colon-Specific Drug Delivery. Internatl. Symposium "Recent Progresses in Drug Delivery Systems", Seoul, Korea, November 23-24, 1990. Proceedings, p. 13.
52. J. Kopeček, P. Kopečková, H. Brøndsted, R. Rath, B. Říhová, P.-Y. Yeh, K. Ikesue, Polymers for Colon-Specific Drug Delivery. Fifth Int. Symposium "Recent Advances in Drug Delivery Systems", Salt Lake City, Utah, February 25-28, 1991. Proceedings, pp. 27-28.
53. K. Ikesue, P. Kopečková, J. Kopeček, Degradation of Proteins by Enzymes of the Gastrointestinal Tract. 18th Int. Symposium on Controlled Release of Bioactive Materials, Amsterdam, The Netherlands, July 8-11, 1991. Proceedings, pp. 580-581.
54. P. Kopečková, B. Říhová, R. Rath, J. Kopeček, Bioadhesive Polymers for Colon Specific Drug Delivery. 18th International Symposium on Controlled Release of Bioactive Materials, Amsterdam, The Netherlands, July 8-11, 1991. Proceedings, pp. 341-342.
55. H. Brøndsted, J. Kopeček, Enzymatically Degradable Hydrogels Containing Azoaromatic Crosslinks: *In Vitro* and *In Vivo* Degradation. 18th Int. Symposium on Controlled Release of Bioactive Materials, Amsterdam, The Netherlands, July 8-11, 1991. Proceedings, pp. 345-346.
56. J. Kopeček, Hydrophilic Polymers for Site-Specific Oral Drug Delivery. AAPS Midwest Regional Meeting, Chicago, May 6, 1991. Proceedings.
57. J. Kopeček, P. Kopečková, Polymeric Carriers in Targeted and Site-Specific Drug Delivery. Annual Meeting of the Japan Society of Drug Delivery Systems, Tokyo, Japan, July 26-27, 1991. Drug Delivery Systems 6, 265-266 (1991).

58. P.Y. Yeh, P. Kopečková, J. Kopeček, Hydrogels for Colon-Specific Oral Delivery of Proteins. AAPS National Meeting, Washington, D.C., November 17-21, 1991. *Pharmaceutical Res.* 8, S-159 (1991).
59. S. Wedge, R. Duncan, P. Kopečková, K. Ulbrich, J. Strohalm, J. Kopeček, Polymer-Bound Anthracyclines: Antitumour Action and Mechanism of Action. PAM Group Meeting of the EORTC, Vienna, Austria, June 1991.
60. N. Krinick, Y. Sun, D.A. Joyner, R. Reed, J.D. Spikes, R.C. Straight, J. Kopeček, Polymer Bound Chlorin e_6 for PDT. SPIE Conference, Photodynamic Therapy III: Mechanisms, Los Angeles CA, January 1992. *Proc. SPIE* 1645, 142-154 (1992).
61. J. Kopeček, Hydrophilic Polymers for Site-Specific Oral Drug Delivery. ACS Symposium on Advances in Bioconjugate Chemistry, San Francisco, April 9, 1992.
62. D.B. Bennett, J. Miller, M. Madonna-Langan, H. Ellens, R. Kirsch, R.C. Rathi, J. Kopeček, Uptake of HPMA-Mannose Copolymers by Human Macrophages and Targeting to Alveolar Macrophages. 19th International Symposium on Controlled Release of Bioactive Materials, Orlando, Florida, July 25-28, 1992, *Proceedings*, pp. 66-67.
63. P.-Y. Yeh, P. Kopečková, J. Kopeček, Hydrogels for Colon-Specific Oral Delivery of Proteins: *In Vitro* and *In Vivo* Degradation Studies. 19th International Symposium on Controlled Release of Bioactive Materials, Orlando, Florida, July 25-28, 1992. *Proceedings*, pp. 323-324.
64. H.-C. Chiu, P. Kopečková, J. Kopeček, Degradability of Poly(α -Amino Acids) by Lysosomal Enzymes. 19th International Symposium on Controlled Release of Bioactive Materials, Orlando, Florida, July 25-28, 1992. *Proceedings*, pp. 325-326.
65. R.C. Rathi, B. Říhová, P. Kopečková, J. Kopeček, Sugar Containing *N*-(2-Hydroxypropyl)-methacrylamide Copolymers for Colon Specific Drug Delivery. 19th International Symposium on Controlled Release of Bioactive Materials, Orlando, Florida, July 25-28, 1992. *Proceedings*, pp. 96-97.
66. R.C. Rathi, B. Říhová, P. Kopečková, J. Kopeček, Bioadhesive Water Soluble Polymeric Carriers for Colon Specific Drug Delivery. 34th IUPAC International Symposium on Macromolecules, Prague, July 13-18, 1992. Abstract 3-P15.
67. Č. Koňák, R.C. Rathi, P. Kopečková, J. Kopeček, Effect of Amphiphilic Side-Chains on Solution Properties of Drug Carriers Based on *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 34th IUPAC International Symposium on Macromolecules, Prague, July 13-18, 1992, Abstract 3-P16.
68. J. Kopeček, Bioadhesive Polymers for Colon-Specific Drug Delivery. 2nd Jerusalem Conference on Pharmaceutical Sciences and Clinical Pharmacology, Jerusalem, Israel, May 24-29, 1992.
69. J. Kopeček, Biocompatible and Biorecognizable Polymers. 4th European Polymer Federation Symposium on Polymeric Materials, Baden-Baden, Germany, Sept. 27-Oct. 2, 1992.
70. J. Kopeček, Tailor-Made Synthesis of Biomedical Polymers. Opening lecture, 34th IUPAC International Symposium on Macromolecules, Prague, July 13-18, 1992.
71. J.D. Spikes, N.L. Krinick, J. Kopeček, The Effects of Covalently Binding Mesochlorin e_6 to a Water-Soluble Drug-Delivery Copolymer on its Photosensitizing and Photobleaching Properties. 20th Annual Meeting of the American Society for Photobiology, Photochem. Photobiol. 55 Supl. 395, 1992.
72. J. Kopeček, Novel Polymers for Drug Targeting. Workshop "Opportunities in the 21st Century for Biomedical Polymers", Division of Polymer Chemistry, American Chemical Society, Palm Springs, California, November 19-21, 1992.

73. B. Říhová, J. Kopeček, Biorecognition of Synthetic Polymers. Cardiovascular Science and Technology Conference, Bethesda, MD, December 12-14, 1992. Proceedings, p. 157.
74. H.-C. Chiu, P. Kopečková, S. Zalipsky, J. Kopeček, Effect of Chemical Modification by Poly(ethylene oxide) on Enzyme-Substrate Interactions. Third Annual Fall Meeting of the Biomedical Engineering Society, University of Utah, Salt Lake City, Utah, October 16-18, 1992, Abstract A4.3.
75. Z.-W. Gu, J. Kopeček, Synthesis and Characterization of Water -Soluble Polymeric Prodrugs of Zn (II)-Phthalocyanine Tetraamine. Third Annual Fall Meeting of the Biomedical Engineering Society, University of Utah, Salt Lake City, Utah, October 16-18, 1992. Abstract A4.4.
76. R.C. Rathi, B. Říhová, P. Kopečková, J. Kopeček, Bioadhesive Polymers for Colon-Specific Drug Delivery. Third Annual Fall Meeting of the Biomedical Engineering Society, University of Utah, Salt Lake City, Utah, October 16-18, 1992. Abstract C3.4.
77. P.-Y. Yeh, P. Kopečková, J. Kopeček, Hydrogels for Colon-Specific Oral Delivery of Protein/Peptide Drugs. Third Annual Fall Meeting of the Biomedical Engineering Society, University of Utah, Salt Lake City, Utah, October 16-18, 1992. Abstract D4.2.
78. J. Kopeček, P. Kopečková, Biorecognizable Polymers. 2nd International Conference on Frontiers of Polymers and Advanced Materials, Jakarta, Indonesia, January 10-15, 1993.
79. J. Kopeček, P.-Y. Yeh, P. Kopečková, K. Ulbrich, Tailor-Made Synthesis of Hydrogels. ACS Spring Meeting 1993, Division of Polymer Chemistry, Denver, CO. Polymer Preprints, 34 (1), 833-834 (1993).
80. P. Kopečková, R.C. Rathi, S. Takada, B. Říhová, M.M. Berenson, J. Kopeček, Polymeric Carriers for Site-Specific Delivery into the Gastrointestinal Tract. Sixth Int. Symp. "Recent Advances in Drug Delivery Systems", Salt Lake City, Utah, February 22-25, 1993. Proceedings, pp. 37-40.
81. J. Kopeček, P. Kopečková, Biorecognizable Hydrophilic Polymers. ACS Fall Meeting 1993, Division PMSE, Chicago, IL. PMSE Preprints, 69, 64-65 (1993).
82. Č. Koňák, R.C. Rathi, P. Kopečková, J. Kopeček, Solubility and Association of *N*-(2-Hydroxypropyl)methacrylamide Copolymer Containing *N*-2-Hydroxyethylpiperazine-*N'*-Ethanesulfonic Acid Side Chains in Aqueous Solvents. 33rd Prague Microsymposium on Macromolecules: Optics and Dynamics of Polymers, Prague, Czech Republic, July 12-15, 1993.
83. J. Kopeček, P. Kopečková, Targetable Water-Soluble Polymeric Anticancer Drugs: Achievements and Unsolved Problems. 20th International Symposium on Controlled Release of Bioactive Materials, Washington, D.C., July 25-28, 1993. Proceedings, pp. 190-191.
84. J.M. Lu, C.M. Petterson, Z.-W. Gu, R.C. Straight, C.J. Jolles, J. Kopeček, Adriamycin Enhances the Effects of Photodynamic Therapy with Chlorin e_6 in Human Epithelial Ovarian Cancer *In Vitro*. 23rd Annual Felix Rutledge Society Meeting, Laguna Beach, California, June 2-4, 1993. Abstracts, p. 61.
85. J. Kopeček, P. Kopečková, Z.-W. Gu, H.-C. Chiu, D. Putnam, Design and Synthesis of Targetable Polymer-Drug Conjugates. NATO Advanced Study Institute "Targeting of Drugs: Advances in System Constructs", Cape Sounion Beach, Greece, June 24 - July 5, 1993. Abstracts.
86. J. Kopeček, P. Kopečková, R.C. Rathi, P.-Y. Yeh, S. Takada, H. Ghandehari, Polymeric Carriers for Site-Specific Drug Delivery in the Gastrointestinal Tract. NATO Advanced Study Institute "Targeting of Drugs: Advances in System Constructs", Cape Sounion Beach, Greece, June 24 - July 5, 1993. Abstracts.

87. J. Kopeček, P. Kopečková, Biocompatible and Biorecognizable Polymers: Synthesis and Properties. The Monte Verita Conference on Biocompatible Materials Systems, Ascona, Switzerland, October 11-14, 1993. Abstracts.
88. J. Kopeček, P. Kopečková, Tailor-Made Synthesis of Biorecognizable Polymers. ACS Spring Meeting 1994, Division of Polymer Chemistry, San Diego, CA, March 13-17, 1994.
89. B. Říhová, R.C. Rathi, P. Kopečková, J. Kopeček, Bioadhesive Polymers for Oral Drug Delivery. Int. Symposium on Mucosal Immunology, Prague, Czechoslovakia, August 1992. In: Recent Advances in Mucosal Immunology, J. McGhee, J. Mestecky, H. Tlaskalová, J. Šterzl, Eds., Plenum Press, 1995, pp. 1491-1494.
90. J. Kopeček, P. Kopečková, Biorecognizable Polymers: Structure - Properties Relationship. 7th Int. Symposium on Polymer Analysis and Characterization, Les Diablerets, Switzerland, May 23-25, 1994. Abstracts.
91. P.-Y. Yeh, P. Kopečková, J. Kopeček, Hydrophilic Polymers for Site-Specific Drug Delivery in the Gastrointestinal Tract. 3rd European Symposium on Controlled Drug Delivery, Noordwijk aan Zee, The Netherlands, April 6-8, 1994. Abstracts, pp. 67-69.
92. J. Kopeček, P. Kopečková, V.G. Omelyanenko, R.C. Rathi, Biorecognizable Polymers: Structure-Property Relationship. 35th IUPAC International Symposium on Macromolecules, The University of Akron, Akron, Ohio, July 11-15, 1994. Abstracts, p. 499. *Macromol. Symp.* 98, 63-64 (1995)
93. Z.-W. Gu, V.G. Omelyanenko, J.-G. Shiah, P. Kopečková, J. Kopeček, Č. Koňák. Solution Properties of *N*-(2-Hydroxypropyl)methacrylamide Copolymer - Photosensitizer Conjugates. 35th IUPAC International Symposium on Macromolecules, The University of Akron, Akron, Ohio, July 11-15, 1994. Abstracts, p. 505.
94. H.-C. Chiu, P. Kopečková, Č. Koňák, J. Kopeček, Enzymatic Degradability of Poly(α -Amino Acid) and Dextran Derivatives. 35th IUPAC International Symposium on Macromolecules, The University of Akron, Akron, Ohio, July 11-15, 1994. Abstracts, p. 612.
95. P.-Y. Yeh, P. Kopečková, J. Kopeček, Degradation Properties of Novel Biodegradable pH-Sensitive Hydrogels Synthesized by Two Different Routes. 35th IUPAC International Symposium on Macromolecules, The University of Akron, Akron, Ohio, July 11-15, 1994. Abstracts, p. 618.
96. H. Ghandehari, P. Kopečková, P.-Y. Yeh, J. Kopeček, Synthesis of Biodegradable and pH Sensitive Hydrogels by a Polymer-Polymer Reaction. 35th IUPAC International Symposium on Macromolecules, The University of Akron, Akron, Ohio, July 11-15, 1994. Abstracts, p. 489.
97. D. Putnam, J. Kopeček, Enzymatically Catalyzed Release of 5-Fluorouracil from Alpha Substituted Glycine Derivatives: Low Molecular Weight and Polymer Bound Prodrugs. 35th IUPAC International Symposium on Macromolecules, The University of Akron, Akron, Ohio, July 11-15, 1994. Abstracts, p. 502.
98. P.-Y. Yeh, W.S. Samowitz, M.M. Berenson, J. Kopeček, Effect of Medium-Chain Glycerides on Physiological Properties of Intestinal Epithelium. 9th AAPS Annual Conference, San Diego, CA, November 6-10, 1994. *Pharmaceutical Res.* 11, S304 (1994).
99. D. Putnam, J. Kopeček, Alpha Substituted Glycines: Potential Prodrugs for the Targeted Delivery of 5-Fluorouracil. 9th AAPS Annual Conference, San Diego, CA, November 6-10, 1994. *Pharmaceutical Res.* 11, S304 (1994).

100. H.-C. Chiu, P. Kopečková, J. Kopeček, Enzymatic Degradability of Poly(α -Amino Acids) as Polymeric Drug Carriers. IUPAC International Symposium on Functional and High-Performance Polymers, Taipei, Taiwan, November 14-16, 1994.
101. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Photosensitized Crosslinking of Proteins Modelled by *N*-(2-Hydroxypropyl)methacrylamide Copolymers Containing Histidine or Lysine. Annual Fall Meeting of the Biomedical Engineering Society, Tempe, Arizona, October 14-16, 1994.
102. J. Kopeček, P. Kopečková, Tailor-Made Synthesis of Biomedical Polymers. Wuhan International Symposium on Biomaterials and Fine Polymers, Wuhan, China, October 18-22, 1994. Proceedings, pp. 21-22.
103. J. Kopeček, P. Kopečková, Tailor-Made Synthesis of Biomedical Materials. International Symposium on Fiber Science and Technology, Yokohama, Japan, October 26-28, 1994. Proceedings, pp. 405-406.
104. J. Kopeček, P. Kopečková, D. Putnam, V.G. Omelyanenko, Polymeric Carriers for Site-Specific Drug Delivery. 5th International Polymer Conference, The Japan Society of Polymer Science, Osaka, Japan, November 28 - December 2, 1994. Preprints, p. 173.
105. V. Omelyanenko, P. Kopečková, L. Poels, J. Kopeček, Biorecognition, Internalization and Subcellular Trafficking of HPMA Copolymer-Antibody-Drugs Conjugates: A Fluorescence and Confocal Study. 39th Annual Meeting of the Biophysical Society, San Francisco, California, February 12-16, 1995. Biophys. J. 68, A405 (1995).
106. J. Kopeček, Biorecognizable Biomedical Polymers: Structure - Properties Relationship. Plenary lecture, 21st Annual Meeting of the Society for Biomaterials, San Francisco, California, March 18-22, 1995. Proceedings, p. XL.
107. K.D. Fowers, J. Kopeček, Development of Fibrinolytic Surfaces: Specific and Non-Specific Binding of Plasminogen. 21st Annual Meeting of the Society of Biomaterials, San Francisco, California, March 18-22, 1995. Proceedings, p. 208.
108. J. Kopeček, P. Kopečková, Biorecognizable Biomedical Polymers. 5th Iketani Conference, Kagoshima University, Japan, April 18-22, 1995. Proceedings, pp. 30-31.
109. J. Kopeček, Č. Koňák, P. Kopečková, Supramolecular Structure of Polymer Conjugates. 2nd International Workshop on Supramolecule Chemistry in Biotechnology and Medicine, Kyoto University, Japan, April 24-25, 1995. Proceedings, p. 11.
110. J. Kopeček, P. Kopečková, V.G. Omelyanenko, Biorecognition in Drug Delivery. 11th International Symposium on Affinity Chromatography and Biological Recognition, San Antonio, Texas, May 25-31, 1995. J. Molecular Recognition 8, 202 (1995).
111. V. Omelyanenko, P. Kopečková, R. Rathi, J. Kopeček, Biorecognition of Targetable HPMA Copolymer - Adriamycin Conjugates: Study by Confocal Fluorescence Microscopy. Seventh International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 27 - March 2, 1995. Proceedings, pp. 169-170.
112. D. Putnam, J. Kopeček, Enzymatically Catalyzed Release of 5-Fluorouracil from Glycine Derivatives: Effect of Stereochemistry and Oligopeptide Sequence. Seventh International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 27 - March 2, 1995. Proceedings, pp. 175-176.

113. P.-Y. Yeh, P. Kopečková, J. Kopeček, Degradable Hydrogels for Colon-Specific Drug Delivery. Seventh International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 27 - March 2, 1995. Proceedings, pp. 179-180.
114. V. Omelyanenko, P. Kopečková, J.-G. Shiah, C. Gentry, C. Tully, L. Poels, J. Kopeček, Biorecognition of HPMA Copolymer - Drug - (OV-TL 16) Antibody Conjugates by OVCAR-3 Ovarian Carcinoma Cell Line. 22nd International Symposium on Controlled Release of Bioactive Materials, Seattle, Washington, July 30 - August 2, 1995. Proceedings, pp. 45-46.
115. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Photosensitized Crosslinking of Proteins Modelled by *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 22nd International Symposium on Controlled Release of Bioactive Materials, Seattle, Washington, July 30 - August 2, 1995. Proceedings, pp. 594-595.
116. H. Ghandehari, P.-Y. Yeh, P. Kopečková, J. Kopeček, Hydrogels for Colonic Drug Delivery: Effect of Synthetic Route on Physicochemical Properties. 22nd International Symposium on Controlled Release of Bioactive Materials, Seattle, Washington, July 30 - August 2, 1995. Proceedings, pp. 28-29.
117. H. Ghandehari, P.L. Smith, J. Kopeček, H. Ellens, Permeability Enhancement of Hydrophilic Probes Across Rabbit Distal Colonic Mucosa. 22nd International Symposium on Controlled Release of Bioactive Materials, Seattle, Washington, July 30 - August 2, 1995. Proceedings, pp. 548-549.
118. D. Putnam, J. Kopeček, Enantioselective Release of 5-Fluorouracil from HPMA Based Copolymers by Lysosomal Enzymes. 22nd International Symposium on Controlled Release of Bioactive Materials, Seattle, Washington, July 30 - August 2, 1995. Proceedings, pp. 596-597.
119. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Model Studies on the Photodynamic Crosslinking of Proteins using a Histidine *N*-(2-Hydroxypropyl)methacrylamide Copolymer. 23rd Annual Meeting of the American Society for Photobiology, Washington, D.C., June 17-22, 1995. Abstract SPM-G34. Photochem. Photobiol. 61, 26S (1995).
120. J. Kopeček, P. Kopečková, Č. Koňák, V.G. Omelyanenko, J.-G. Shiah, R. Rathi, Relationship Between Supramolecular Structure and Biorecognition of Polymer-Drug Conjugates. 69th Colloid & Surface Science Symposium, Salt Lake City, Utah, June 11-14, 1995. Abstracts, p. 108.
121. J. Kopeček, H. Ghandehari, P.-Y. Yeh, P. Kopečková, Tailor-Made Synthesis of Degradable Hydrogels. 36th Microsymposium "High-Swelling Gels", Prague, Czech Republic, July 10-14, 1995.
122. J. Kopeček, P. Kopečková, Targeted and Site-Specific Drug Delivery Using Hydrophilic Polymers. 1st Spanish-Portuguese Conference on Drug Delivery, Santiago de Compostela, Spain, September 25-27, 1995.
123. P. Kopečková, V. Omelyanenko, J.-G. Shiah, J. Kopeček, Biorecognizable Water-Soluble Carriers of Anticancer Drugs. Fourth Pacific Polymer Conference, Koloa, Kauai, Hawaii, December 12-16, 1995.
124. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Tailor-Made Polymers as a Tool to Model Photosensitized Crosslinking of Proteins. Fourth Pacific Polymer Conference, Koloa, Kauai, Hawaii, December 12-16, 1995.
125. J. Kopeček, H. Ghandehari, P.-Y. Yeh, P. Kopečková, Hydrophilic Polymers for Colon-Specific Drug Delivery. Am. Chem. Soc. Conference on Formulation and Drug Delivery, Boston, MA, October 10-13, 1995. Proceedings.

126. P. Kopečková, V. Omelyanenko, C. Gentry, J.-G. Shiah, J. Kopeček, HPMA Copolymer - Anticancer Drug - Antibody Conjugates. Structure - Properties Relationship. 1st International Symposium on Polymer Therapeutics, London, UK, January 10-12, 1996. Proceedings, p. 6.
127. V. Omelyanenko, P. Kopečková, C. Gentry, J. Kopeček, Biorecognition and Internalization of HPMA Copolymer - Anticancer Drug - Antibody Conjugates by Ovarian Carcinoma Cells. 1st International Symposium on Polymer Therapeutics, London, UK, January 10-12, 1996. Proceedings, p. 49.
128. R.C. Rathi, P. Kopečková, B. Říhová, J. Kopeček, Biorecognizable *N*-(2-Hydroxypropyl)-methacrylamide Copolymers for Colon Specific Drug Delivery. 1st International Symposium on Polymer Therapeutics, London, UK, January 10-12, 1996. Proceedings, p. 33.
129. K. Ulbrich, V. Šubr, J. Kopeček, Poly[*N*-(2-Hydroxypropyl)methacrylamide] - Anticancer Drug Conjugates: Strategy of Synthesis. 1st International Symposium on Polymer Therapeutics, London, UK, January 10-12, 1996. Proceedings, p. 31.
130. D. Putnam, B. Říhová, M. Jelínková, J. Kopeček, Biorecognition and Biological Activity of Synthetic Polymeric Glycoconjugates Containing 5-Fluorouracil. 23rd International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 7 - 10, 1996. Proceedings, pp. 75-76.
131. H. Ghandehari, P. Kopečková, P.-Y. Yeh, H. Ellens, P.L. Smith, J. Kopeček, Oral Colon-Specific Protein and Peptide Delivery: Polymer System and Permeability Characteristics. 23rd International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 7 - 10, 1996. Proceedings, pp. 59-60.
132. P. Kopečková, C.G. Pitt, A.D. Habberfield, V. Omelyanenko, O. Kinstler, J. Kopeček, Polymer Modified Granulocyte Colony Stimulating Factor. 23rd International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 7 - 10, 1996. Proceedings, pp. 869-870.
133. V. Omelyanenko, P. Kopečková, C. Gentry, J. Kopeček, Performance of HPMA Copolymer-Drug Conjugate Antibody Targeted to Ovarian Carcinoma Cells. 23rd International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 7 - 10, 1996. Proceedings, pp. 633-634.
134. C.M. Peterson, J.M. Lu, Y. Sun, C.A. Peterson, J.-G. Shiah, R.C. Straight, J. Kopeček, Combination Chemotherapy/Photodynamic Therapy with HPMA Copolymer Bound Anticancer Drugs for Ovarian Cancer. 23rd International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 7 - 10, 1996. Proceedings, pp. 109-110.
135. P. Kopečková, V. Omelyanenko, C. Gentry, J. Kopeček, Targetable HPMA Copolymer-Drug-Antibody Conjugates for the Treatment of Ovarian Cancer. 4th European Symposium on Controlled Drug Delivery, Noordwijk aan Zee, The Netherlands, April 3-5, 1996. *J. Controlled Release* 48, 292-294 (1997).
136. H. Ghandehari, H. Ellens, P.L. Smith, P.-Y. Yeh, J. Kopeček, The Influence of Molecular Geometry on Permeability of Hydrophilic Probes Across Rabbitt Colonic Mucosa. AAPS 1996 Western Regional Meeting, South San Francisco, CA, March 18-19, 1996. Proceedings, p. 42.
137. H. Ghandehari, P. Kopečková, J. Kopeček, Biodegradable and pH Sensitive Hydrogels for Colon-Specific Drug Delivery: Synthesis by a Polymer-Polymer Reaction. AAPS 1996 Western Regional Meeting, South San Francisco, CA, March 18-19, 1996. Proceedings, p. 34.
138. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Stability of the Intermolecular Bonds Formed in the Photodynamic Crosslinking of Ribonuclease and Model His- and Lys-Containing *N*-(2-Hydroxypropyl)methacrylamide Copolymers. 24th Annual Meeting of the American Society for Photobiology, Atlanta, Georgia, June 15-20, 1996. Abstract WPM-G19. *Photochem. Photobiol.* 63, 102S (1996).

139. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Tailor-Made Polymers as a Tool to Study the Mechanism of Photosensitized Crosslinking of Proteins. 36th IUPAC International Symposium on Macromolecules, Seoul, Korea, August 4-9, 1996.
140. J. Kopeček, Polymeric Anticancer Drugs: Structure - Properties Relationship. CRS Israel Local Chapter Meeting, Tel Aviv, June 20, 1996. Proceedings.
141. E.O. Akala, P. Kopečková, J. Kopeček, Biodegradable Hydrogels for Oral Delivery of Peptides and Proteins. 2nd Int. Symposium on "Biorelated Polymers: Advances in Polymeric Drugs and Drug Design", Amer. Chem. Soc. Fall 1996 Meeting, Orlando, Florida, August 25-29, 1996. Polymer Preprints 37 (2), 111-112 (1996).
142. J. Kopeček, H. Ghandehari, E.O. Akala, P.-Y. Yeh, P. Kopečková, Tailor-Made Synthesis of Biodegradable Hydrogels for Colon-Specific Drug Delivery. CRS Conference on Advances in Controlled Delivery, Baltimore, Maryland, August 19-20, 1996. Proceedings, pp. 10-11.
143. J. Kopeček, E.O. Akala, H. Ghandehari, P. Kopečková, Tailor-Made Copolymers for Colon-Specific Drug Delivery. 3rd Jerusalem Conference on Pharmaceutical Sciences and Clinical Pharmacology, Jerusalem, Israel, September 1-6, 1996. Proceedings, p. 14.
144. H. Ghandehari, P. Kopečková, J. Kopeček, Hydrogels for Oral Colon-Specific Protein and Peptide Delivery: Effect of Synthetic Route on Degradation Properties. 11th Ann. Meeting of the Am. Association of Pharmaceutical Scientists, Seattle, Washington, October 27-31, 1996. Proceedings, p. S-270, Abstract PDD 7150.
145. J. Kopeček, Biorecognizable Polymers: Synthesis, Structure, and Bioactivity. Japan-US Seminar on Macromolecular Architecture and Engineering, Sendai, Japan, October 27-31, 1996.
146. V. Omelyanenko, P. Kopečková, J. Kopeček, Interactions Between IgG Molecule and Hydrophobic Drug Tethered to the Antibody Surface via Polymer Chain. 41st Annual Meeting of the Biophysical Society, New Orleans, LA, March 2-6, 1997.
147. J. Kopeček, Design Parameters for Polymeric Carriers of Anticancer Drugs. 2nd International Symposium on Polymer Therapeutics, Kumamoto, Japan, April 18-20, 1997. Proceedings.
148. J.-G. Shiah, Č. Koňák, J.D. Spikes, J. Kopeček, Optimization of Polymeric Drug Delivery Systems for Photodynamic Therapy. 2nd International Symposium on Polymer Therapeutics, Kumamoto, Japan, April 18-20, 1997. Proceedings.
149. C. Vauthier, P. Kopečková, J. Kopeček, Carbohydrate Analysis of Glycoproteins by High Performance Anionic Exchange Chromatography - Pulse Amperometric Detection (HPAEC-PAD). Eighth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 24-27, 1997. Proceedings, pp. 161-163.
150. E.O. Akala, P. Kopečková, J. Kopeček, Novel Hydrogels with Controllable Kinetics of Swelling for Colon Specific Delivery of Protein and Peptide Drugs. Eighth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 24-27, 1997. Proceedings, pp. 199-200.
151. V. Omelyanenko, P. Kopečková, C. Gentry, J. Kopeček, Recognition of OV-TL16 Antibody - HPMA Copolymer - Drug Conjugates By Ovarian Cancer Cells. Eighth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 24-27, 1997. Proceedings, pp. 43-47.

152. H. Ghandehari, P. Kopečková, J. Kopeček, The Effect of Synthetic Method on *In Vitro* Degradation of pH Sensitive Hydrogels Containing Aromatic Azobonds. Eighth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 24-27, 1997. Proceedings, pp. 171-172.
153. H.-R. Shen, J.D. Spikes, P. Kopečková, J. Kopeček, Photodynamic Crosslinking of Macromolecules: Implications for the Mechanism of Photodynamic Therapy. 24th International Symposium on Controlled Release of Bioactive Materials, Stockholm, Sweden, June 15-19, 1997. Proceedings, pp. 134-135.
154. J. Kopeček, Carriers for Active and Passive Targeting. 24th International Symposium on Controlled Release of Bioactive Materials, Stockholm, Sweden, June 15-19, 1997. Proceedings, pp. 151-152.
155. V. Omelyanenko, P. Kopečková, R.K. Prakash, C. Clemens, C.D. Ebert, J. Kopeček, Biorecognition of HPMA Copolymers Mediated by Synthetic Receptor Binding Epitopes. 24th International Symposium on Controlled Release of Bioactive Materials, Stockholm, Sweden, June 15-19, 1997. Proceedings, pp. 51-52.
156. R.K. Prakash, C. Clemens, C.D. Ebert, V. Omelyanenko, P. Kopečková, J. Kopeček, Targeting of Macromolecular Prodrugs to T-Lymphocytes. 24th International Symposium on Controlled Release of Bioactive Materials, Stockholm, Sweden, June 15-19, 1997. Proceedings, pp. 859-860.
157. V. Omelyanenko, P. Kopečková, C. Gentry, J. Kopeček, Cellular Uptake and Toxicity of Antibody Targeted Polymer-Drug Conjugates for Ovarian Cancer Cells. 88th Annual Meeting of the American Association for Cancer Research (AACR), San Diego, CA, April 12-16, 1997. Abstract 1739, Proceedings AACR 38, 259 (1997).
158. J. Kopeček, Biomedical Polymers: Design, Structure and Properties. Topical Conference on Biomaterials, Carriers for Drug Delivery and Scaffolds for Tissue Engineering, The American Institute of Chemical Engineers, Los Angeles, California, November 17-19, 1997. Proceedings, pp. 9-11.
159. J. Kopeček, P. Kopečková, Tailor-Made Synthesis of Biomedical Polymers. 50th Meeting of the Czech Chemical Society, Zlín, September 8-11, 1997. Chemické Listy 91, 600-603 (1997).
160. K.D. Jensen, P. Kopečková, J. Kopeček, A Hepatocyte Targeted Antisense Oligonucleotide Delivery System Using Copolymers of N-(2-Hydroxypropyl)methacrylamide. 12th Ann. Meeting of the Am. Soc. of Pharmaceutical Scientists, Boston, Massachusetts, November 2-6, 1997. Proceedings.
161. B. Říhová, P. Kopečková, R.C. Rathi, J. Kopeček, Bioadhesive N-(2-Hydroxypropyl)-methacrylamide Copolymers for Colon-Specific Drug Delivery. 9th International Congress of Mucosal Immunology, Sydney, Australia, 1997. Abstract W4.3.10, Proceedings, p. A126.
162. T. Minko, P. Kopečková, V. Pozharov, J. Kopeček, Free and HPMA Copolymer Bound Adriamycin Differ in the Mechanism of Multidrug Resistance Induction in a Human Ovarian Carcinoma Cell Line. 3rd Int. Symposium on Polymer Therapeutics, London, UK, January 7-9, 1998. Abstracts, p. 54.
163. T. Minko, P. Kopečková, V. Pozharov, V. Omelyanenko, J. Kopeček, HPMA Copolymer Bound Adriamycin Does Not Induce Multidrug Resistance in a Human Ovarian Carcinoma Cell Line. 89th Annual Meeting of the American Association for Cancer Research (AACR), New Orleans, LA, March 28-April 1, 1998. Abstract 499, Proceedings of the AACR, 39, 73 (1998).
164. T. Minko, P. Kopečková, V. Pozharov, J. Kopeček, Peculiarities of Apoptosis Induction and Cell Metabolism in Human Ovarian Carcinoma Cell Lines Exposed to Free and HPMA Copolymer Bound Adriamycin. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 99-100.

165. Z.-R. Lu, P. Kopečková, J. Kopeček, Polymerizable Fab' Antibody Fragments. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 788-789.
166. C. Wang, R. Stewart, J. Kopeček, De Novo Design of Hybrid Hydrogels: Water Soluble Polymers Crosslinked by Coiled-Coil Protein Domains. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 54-55.
167. M. Dvořák, P. Kopečková, J. Kopeček, Novel Synthesis of Long-Circulating HPMA Copolymer - Adriamycin Conjugates. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 884-885.
168. K.D. Jensen, P. Kopečková, J. Kopeček, Study of the Internalization and Subcellular Trafficking of Model Antisense Compounds in HepG2 Cells. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 352-353.
169. J.-G. Shiah, Y. Sun, P. Kopečková, C.M. Peterson, J. Kopeček, Biodistribution in Tumor Bearing Mice of Free and HPMA Copolymer-Bound Meso-Chlorin e₆ and Adriamycin. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 95-96.
170. S. Wróblewski, P. Kopečková, B. Říhová, J. Kopeček, Lectin - HPMA Copolymer Conjugates - Drug Carriers for Gastrointestinal Targeting. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 768-769.
171. R.H. Lu, P. Kopečková, J. Kopeček, Degradation Study of Human Calcitonin In Vitro Provides Rationale for Colon Peptide Delivery. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 770-771.
172. E.O. Akala, P. Kopečková, J. Kopeček, *N,N*-Dimethylacrylamide Copolymers Based Hydrogels for Peptide and Protein Delivery. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 872-873.
173. C. Tully, P. Kopečková, J. Kopeček, Antibody Mediated Control of Hydrogel Thermal Volume Transitions. 25th International Symposium on Controlled Release of Bioactive Materials, Las Vegas, Nevada, June 21-24, 1998. Proceedings, pp. 892-893.
174. J.D. Spikes, H.-R. Shen, P. Kopečková, J. Kopeček, Model Studies in the Photodynamic Crosslinking of Proteins Using a Tyrosine-Containing *N*-(2-Hydroxypropyl)methacrylamide Copolymer (Tyr-P). 26th Annual Meeting of the American Society for Photobiology, Snowbird, Utah, July 11-15, 1998. Photochem. Photobiol. 67, 35S (1998).
175. J.-G. Shiah, J.D. Spikes, Y. Sun, P. Kopečková, C.M. Peterson, J. Kopeček, HPMA Copolymer Bound Meso-Chlorin e₆ in Combination Therapy of Experimental Ovarian Carcinoma. 26th Annual Meeting of the American Society for Photobiology, Snowbird, Utah, July 11-15, 1998. Photochem. Photobiol. 67, 25S (1998).
176. J. Kopeček, Polymeric Anticancer Drugs: From Design To Clinical Trials. First Annual AAPS-SRDG Meeting on Advances in Pharmaceutical Sciences, The University of Mississippi, Oxford Campus, May 28-29, 1998. Proceedings.

177. C. Wang, R. Stewart, J. Kopeček, Tailor-Made Hybrid Hydrogels: Synthetic Macromolecules Crosslinked by Coiled-Coil Protein Domains. 3rd International Biorelated Polymer Symposium on Polymeric Drugs and Drug Delivery Systems, American Chemical Society Fall 1998 Meeting, Boston, MA, August 23-27, 1998. *Polymer Preprints* 39 (2), 194-195 (1998).
178. Z.-R. Lu, P. Kopečková, Z. Wu, J. Kopeček, Semitelechelic Poly[*N*-(2-Hydroxypropyl)-methacrylamide]: Preparation, Characterization and Protein Modification. 3rd International Biorelated Polymer Symposium on Polymeric Drugs and Drug Delivery Systems, American Chemical Society Fall 1998 Meeting, Boston, MA, August 23-27, 1998. *Polymer Preprints* 39 (2), 218-219 (1998).
179. M. Slinkin, N. Mukhamedova, A. Shevelev, P. Kopečková, J. Kopeček, Monoclonal IgM Anti-adriamycin Antibody: Binding to Free and HPMA Copolymer-bound ADR. Ninth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-25, 1999. *Proceedings*, pp. 224-225.
180. A. Rubinstein, S. Blau, R. Kohen, P. Bass, M. Baluom, M. Friedman, A. David, P. Kopečková, J. Kopeček, Biological Basis of Controlled Drug Delivery: The Oral Route. Ninth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-25, 1999. *Proceedings*, pp. 4-7.
181. S. Wróblewski, M. Berenson, P. Kopečková, J. Kopeček, Biorecognition of Lectin-HPMA Copolymer Conjugates in Rat and Human Colonic Tissues. Ninth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-25, 1999. *Proceedings*, pp. 241-242.
182. T. Minko, P. Kopečková, J. Kopeček, Signaling Pathways of Multidrug Resistance and Apoptosis in Human Ovarian Carcinoma Cells Exposed to Free and HPMA Copolymer-bound Adriamycin. Ninth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-25, 1999. *Proceedings*, pp. 215-216.
183. J.-G. Shiah, Y. Sun, C.M. Peterson, J. Kopeček, Antitumor Activity of HPMA Copolymer-Mce₆/ADR Conjugates. Ninth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-25, 1999. *Proceedings*, pp. 226-227.
184. T. Minko, P. Kopečková, J. Kopeček, Peculiarities of Signaling in Apoptosis Induced by Free and HPMA Copolymer-bound Adriamycin in Human Ovarian Carcinoma Cells. Keystone Symposium "Apoptosis and Programmed Cell Death", Breckenridge, CO, April 6-11, 1999. *Proceedings*.
185. J. Kopeček, P. Kopečková, T. Minko, HPMA Copolymer-Bound Anticancer Drugs: Mechanism of Action on Cellular and Subcellular Levels. 26th International Symposium on Controlled Release of Bioactive Materials, Boston, Massachusetts, June 20-23, 1999. *Proceedings*, pp. 24-25.
186. T. Minko, P. Kopečková, J. Kopeček, EPR Effect, Multidrug Resistance and the Efficacy of HPMA Copolymer-Bound Adriamycin in Solid Tumors with High Vascularization. 26th International Symposium on Controlled Release of Bioactive Materials, Boston, Massachusetts, June 20-23, 1999. *Proceedings*, pp. 46-47.
187. M. Tijerina, K. Fowers, P. Kopečková, J. Kopeček, Chronic Exposure to Free and HPMA Copolymer Bound Mesochlorin does not Induce P-Glycoprotein Mediated Multidrug Resistance. 26th International Symposium on Controlled Release of Bioactive Materials, Boston, Massachusetts, June 20-23, 1999. *Proceedings*, pp. 1056-1057.

188. C. Wang, J. Kopeček, R.J. Stewart, Hybrid Hydrogels Undergo Volume Transition due to Temperature-Induced Conformational Change of Coiled-Coil Protein Crosslinks. 26th International Symposium on Controlled Release of Bioactive Materials, Boston, Massachusetts, June 20-23, 1999. Proceedings, pp. 157-158.
189. C. Varga, P. Kopečková, J. Kopeček, Real-Time Microscopy Internalization of HPMA Copolymer-Bound Adriamycin in Ovarian Carcinoma Cells. 26th International Symposium on Controlled Release of Bioactive Materials, Boston, Massachusetts, June 20-23, 1999. Proceedings, pp. 1054-1055.
190. K. Fowers, P. Kopečková, J. Kopeček, Targeting of HPMA Copolymer-Drug Conjugates to A2780/AD Ovarian Cancer Cells Using Anti-P-Glycoprotein Antibodies or Fragments. 26th International Symposium on Controlled Release of Bioactive Materials, Boston, Massachusetts, June 20-23, 1999. Proceedings, pp. 527-528.
191. J.-G. Shiah, Y. Sun, C.M. Peterson, J. Kopeček, Combinational Efficacy of HPMA Copolymer-Mce₆/Adriamycin Conjugates in Cancer Therapy. 26th International Symposium on Controlled Release of Bioactive Materials, Boston, Massachusetts, June 20-23, 1999. Proceedings, pp. 1058-1059.
192. A. David, P. Kopečková, J. Kopeček, A. Rubinstein, Biorecognition of Sugar-Containing HPMA Copolymers by Peanut Agglutinin (PNA) Lectins and Tumor Endogenous Lectins Expressed on Colon Cancer Cells. Symposium on Mechanistically-Based Drug Design and Development: Integrating the Biological Revolution, 5th Congress of the European Federation of Pharmaceutical Sciences, Jerusalem, Israel, August 23-27. Proceedings.
193. J.D. Spikes, H.-R. Shen, J. Kopeček, Effect of pH on the Kinetics of the Rose Bengal – and FMN-Sensitized Photooxidation of Tyrosine and of Tyrosine with the Amino and/or Carboxyl Group Blocked. 27th Annual Meeting of the American Society for Photobiology, Washington, D.C., July 10-15, 1999. Photochem. Photobiol. 69, 84S (1999).
194. J. Kopeček, P. Kopečková, S. Wróblewski, Macromolecular Carriers for Gastrointestinal Delivery. World Congress of Pharmacy and Pharmaceutical Sciences '99, Barcelona, Spain, September 5-10, 1999. Proceedings, Abstract S-9-D, p. 13.
195. T. Minko, P. Kopečková, J. Kopeček, Cell Death Signaling Pathways, Toxicity and Antitumor Activity of Free and Polymer-Bound Doxorubicin. 17th Annual Meeting "Molecular Genetics in Toxicology", Mountain West Society of Toxicology, Breckenridge, Colorado, September 16-17, 1999. Proceedings, Abstract #4.
196. J. Kopeček, P. Kopečková, T. Minko, Mechanism of Action of HPMA Copolymer-Bound Anticancer Drugs. Biosurf III/Annual Meeting of the Swiss Biomaterials Society, Zurich, Switzerland, October 7-8, 1999. Proceedings, p. 13.
197. Z.-R. Lu, S.-Q. Gao, P. Kopečková, J. Kopeček, Lectin-Targeted Colon Specific HPMA Copolymer – Cyclosporin Conjugates. 14th Ann. Meeting of the Am. Soc. of Pharmaceutical Scientists, New Orleans, Louisiana, November 14-18, 1999. AAPS PharmSci. 1, S-441 (1999).
198. J.D. Spikes, H.-R. Shen, J. Kopeček, Effects of pH on the Kinetics of the Flavin Mononucleotide (FMN) and Rose Bengal (RB)-Sensitized Photooxidation of Tyrosine and of Tyrosine-Glycine Peptides. Congress of the European Society of Photobiology, Granada, Spain, September 3-8, 1999. Proceedings.
199. A. David, P. Kopečková, J. Kopeček, A. Rubinstein, Biorecognizable Sugar-Containing HPMA Copolymers for Targeting to Endogenous Lectins Expressed on Colon Cancer Cells. 3rd Jerusalem Conference on Pharmaceutical Sciences and Clinical Pharmacology, Jerusalem, Israel, October 4-8, 1999. Proceedings.

200. A. Tang, C. Wang, R. Stewart, J. Kopeček, Self-Assembled Peptide Monolayer Displaying Epitopes Recognizable by Human Lymphoma Cells. 14th Ann. Meeting of the Am. Soc. of Pharmaceutical Scientists, New Orleans, Louisiana, November 14-18, 1999. AAPS PharmSci. 1, S-442 (1999).
201. M. Demoy, T. Minko, P. Kopečková, J. Kopeček, Time- and Concentration-Dependent Apoptosis Induced by free and HPMA Copolymer-Bound Adriamycin in a Human Ovarian Carcinoma Cell Line. 14th Ann. Meeting of the Am. Soc. of Pharmaceutical Scientists, New Orleans, Louisiana, November 14-18, 1999. AAPS PharmSci. 1, S-436 (1999).
202. T. Minko, P. Kopečková, J. Kopeček, Cell Death Signaling Pathways and Antitumor Activity of HPMA Copolymer-Bound Adriamycin. 14th Ann. Meeting of the Am. Soc. of Pharmaceutical Scientists, New Orleans, Louisiana, November 14-18, 1999. AAPS PharmSci. 1, S-436 (1999).
203. J.-G. Shiah, M. Dvořák, Y. Sun, C.M. Peterson, P. Kopečková, J. Kopeček, Long-Circulating *N*-(2-Hydroxypropyl)methacrylamide Copolymer – Adriamycin Conjugates. 14th Ann. Meeting of the American Association of Pharmaceutical Scientists, New Orleans, Louisiana, November 14-18, 1999. AAPS PharmSci. 1, S-432 (1999).
204. A. Rubinstein, A. David, P. Kopečková, J. Kopeček, Biorecognizable Sugar-Containing HPMA Copolymers for Targeting to Endogenous Lectins Expressed on Colon Cancer Cells. 14th Ann. Meeting of the American Association of Pharmaceutical Scientists, New Orleans, Louisiana, November 14-18, 1999. AAPS PharmSci. 1, S-439 (1999).
205. K. Jensen, P. Kopečková, J. Kopeček, Studying the Fate of Antisense Oligonucleotide / Polymer Conjugates Targeted to HepG2 Cells. 14th Ann. Meeting of the American Association of Pharmaceutical Scientists, New Orleans, Louisiana, November 14-18, 1999. AAPS PharmSci. 1, S-624 (1999).
206. P. Kopečková, T. Minko, K. Jensen, J. Kopeček, The Influence of Cytotoxicity of Macromolecules on the EPR Effect in Resistant Solid Tumors. 4th International Symposium on Polymer Therapeutics: From Laboratory to Clinical Practice, The School of Pharmacy, London, UK, January 5-7, 2000. Proceedings, p. 53.
207. A. Tang, C. Wang, R. Stewart, J. Kopeček, An Epitope Display Model for Biorecognition Studies: Peptides Self-Assembled on Solid Substrates. 4th International Symposium on Polymer Therapeutics: From Laboratory to Clinical Practice, The School of Pharmacy, London, UK, January 5-7, 2000. Proceedings, p. 29.
208. D. Wang, P. Kopečková, T. Minko, V. Nanayakkara, J. Kopeček, Synthesis of Star-Like Poly[*N*-(2-Hydroxypropyl)methacrylamide] Using PAMAM Dendrimers as the Core. American Chemical Society Spring 2000 Meeting, San Francisco, CA, March 26-30, 2000. Polymer Preprints 41(1), 994-995 (2000).
209. J.-G. Shiah, M. Dvořák, P. Kopečková, Y. Sun, C.M. Peterson, J. Kopeček, Therapeutic Efficacy of Long-Circulating HPMA Copolymer-Doxorubicin Conjugates. 91st Annual Meeting of the American Association for Cancer Research, San Francisco, CA, April 1-5, 2000.
210. J. Kopeček, A. Tang, C. Wang, R. Stewart, The Coiled-Coil Motif in the Design of Hybrid Hydrogels and Epitope Displays. Sixth European Symposium on Controlled Drug Delivery, Noordwijk aan Zee, The Netherlands, April 12-14, 2000. Abstracts, pp. 19-20.
211. J. Kopeček, Long-Circulating Polymer and Nanoparticle Systems: Formulation and Characterization. Millennial World Congress of Pharmaceutical Sciences, San Francisco, California, April 16-20, 2000.

212. T. Minko, P. Kopečková, J. Kopeček, Role of Caspases in Cellular Signal Transduction Pathways of Apoptosis Induced by Free and HPMA Copolymer-Bound Doxorubicin. 27th International Symposium on Controlled Release of Bioactive Materials, Paris, France, July 10-13, 2000. Proceedings, pp. 71-72.
213. M. Demoy, T. Minko, P. Kopečková, J. Kopeček, Apoptosis Induction by Free and HPMA Copolymer-Bound Doxorubicin in Human Ovarian Carcinoma Cells. 27th International Symposium on Controlled Release of Bioactive Materials, Paris, France, July 10-13, 2000. Proceedings, pp. 203-204.
214. A. David, P. Kopečková, J. Kopeček, A. Rubinstein, Evaluating the Biorecognition of Saccharide – Containing HPMA Copolymers by Endogenous Lectins Expressed on the Surface of Human Colon Carcinoma and Hepatocarcinoma Cells. 27th International Symposium on Controlled Release of Bioactive Materials, Paris, France, July 10-13, 2000. Proceedings, pp. 119-120.
215. J. Kopeček, A. Tang, C. Wang, R. Stewart, De Novo Design of Biomedical Polymers: Hybrids from Synthetic Macromolecules and Genetically Engineered Protein Domains. World Polymer Congress IUPAC MACRO 2000, Warsaw, Poland, July 9-14, 2000. Book of Abstracts, Vol. 1, p.13.
216. T. Minko, P. Kopečková, J. Kopeček, Mechanism of Anticancer Action of HPMA Copolymer-bound Doxorubicin. 40th Microsymposium “Polymers in Medicine”, Institute of Macromolecular Chemistry, Prague, July 17-20, 2000. Abstract SL4.
217. C. Wang, R.J. Stewart, J. Kopeček, Novel Design of Smart Hydrogels from Synthetic and Genetically Engineered Polymers. 40th Microsymposium “Polymers in Medicine”, Institute of Macromolecular Chemistry, Prague, July 17-20, 2000. Abstract P55.
218. A. David, P. Kopečková, J. Kopeček, A. Rubinstein, Targetable HPMA Copolymer Conjugates: Biorecognition, Internalization and Cytotoxicity in Colon-Adenocarcinoma and Hepatocarcinoma Cells. 40th Microsymposium “Polymers in Medicine”, Institute of Macromolecular Chemistry, Prague, July 17-20, 2000. Abstract P17.
219. J. Kopeček, C. Wang, A. Tang, R. Stewart, The Coiled-Coil Motif in the Design of Hybrid Hydrogels and Epitope Displays. International Symposium on Biomaterials and Drug Delivery Systems, Shilla Cheju Hotel, Cheju Island, Korea, August 20–22, 2000. Proceedings, p. 34.
220. Z.-R. Lu, P. Kopečková, J. Kopeček, Biorecognizable Surfaces Containing Polymerizable Antibody Fragments. Surfaces in Biomaterials 2000 Annual Symposium, Scottsdale, Arizona, August 30 – September 2, 2000. Proceedings.
221. A. Tang, C. Wang, R.J. Stewart, J. Kopeček, Biorecognition of Epitopes Displayed on Self-Assembled Peptides: Implications for the Selection of Targeting Moieties for the Design of New Drug Carriers. GPEN 2000 Meeting, University of Uppsala, Sweden, September 13-15, 2000. Proceedings, p. 29.
222. M. Tijerina, P. Kopečková, J. Kopeček, Induction of Apoptosis and Necrosis in Human Ovarian Carcinoma Exposed to Free or *N*-(2-Hydroxypropyl)methacrylamide Copolymer-Mce₆ Conjugates. GPEN 2000 Meeting, University of Uppsala, Sweden, September 13-15, 2000. Proceedings, p. 65.
223. T. Merdan, P. Kopečková, T. Kissel, J. Kopeček, Reversal of Multidrug Resistance Using Antisense Oligonucleotides and Cationic Polymers. GPEN 2000 Meeting, University of Uppsala, Sweden, September 13-15, 2000. Proceedings, p. 66.
224. J. Kopeček, P. Kopečková, T. Minko, Z.-R. Lu, C.M. Peterson, Water Soluble Polymers in Tumor Targeted Delivery. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.

225. Y. Kasuya, Z.-R. Lu, P. Kopečková, T. Minko, S.E. Tabibi, J. Kopeček, Synthesis and Characterization of HPMA Copolymer – Aminopropylgeldanamycin Conjugates. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.
226. L. Varticovski, Z.-R. Lu, I. de Aoz, T. Kagawa, K. Mitchell, R. Christensen, J. Kopeček, A Water-Soluble HPMA Copolymer – Wortmannin Conjugate Retains Phosphoinositide 3-Kinase Inhibitory Activity *In Vitro* and *In Vivo*. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.
227. M. Tijerina, P. Kopečková, J. Kopeček, The Effects of Subcellular Localization of *N*-(2-Hydroxypropyl)methacrylamide Copolymer - Mce₆ Conjugates in a Human Ovarian Carcinoma. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.
228. S. Wróblewski, M. Berenson, P. Kopečková, J. Kopeček, Potential of Lectin – *N*-(2-Hydroxypropyl)methacrylamide Copolymer – Drug Conjugates for the Treatment of Pre-Cancerous Conditions. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.
229. T. Minko, P. Kopečková, J. Kopeček, Antitumor Activity and Apoptosis Signaling Pathways of HPMA Copolymer-Bound Doxorubicin. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.
230. J.-G. Shiah, Y. Sun, P. Kopečkova, C.M. Peterson, R.C. Straight, J. Kopeček, Combination Chemotherapy and Photodynamic Therapy of Targetable *N*-(2-Hydroxypropyl)methacrylamide Copolymer – Doxorubicin/Mesochlorin e₆ – OV-TL16 Antibody Immunoconjugates. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.
231. Z.-R. Lu, P. Kopečková, J. Kopeček, Preparation and Biological Evaluation of Polymerizable Antibody Fab' Fragment Targeted Polymeric Drug Delivery Systems. International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000. Proceedings.
232. S. Wróblewski, M.M. Berenson, P. Kopečková, J. Kopeček, HPMA Copolymer – Lectin Conjugate Binding in Development, Maturity and Disease of Rodent and Human Colon. 15th Ann. Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, Indiana, October 29-November 2, 2000. AAPS PharmSci. Suppl. Vol. 2, No. 4, 2000, Presentation No. 3123.
233. Z.-R. Lu, J.-G. Shiah, P. Kopečková, J. Kopeček, A Targeted Polymeric Drug Delivery System Based on Polymerizable Fab' for the Treatment of Human Ovarian Carcinoma. 15th Ann. Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, Indiana, October 29-November 2, 2000. AAPS PharmSci. Suppl. Vol. 2, No. 4, 2000, Presentation No. 4063.
234. J.-G. Shiah, Y. Sun, P. Kopečková, C.M. Peterson, R.C. Straight, J. Kopeček, Therapeutic Efficacy of Targetable *N*-(2-Hydroxypropyl)methacrylamide Copolymer – Doxorubicin/Mesochlorin e₆ – OV-TL16 Antibody Immunoconjugates in Chemotherapy and Photodynamic Therapy. 15th Ann. Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, Indiana, October 29-November 2, 2000. AAPS PharmSci. Suppl. Vol. 2, No. 4, 2000. Presentation No. 2148.

235. M. Tijerina, K.D. Fowers, P. Kopečková, J. Kopeček, Internalization and Subcellular Trafficking of Free and *N*-(2-Hydroxypropyl)methacrylamide Copolymer-Bound Mce₆ Conjugates. 15th Ann. Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, Indiana, October 29-November 2, 2000. AAPS PharmSci. Suppl. Vol. 2, No. 4, 2000. Presentation No. 2143.
236. T. Minko, P. Kopečková, J. Kopeček, Caspases and Their Role in Signaling Pathways of Apoptosis Induced by Free and Polymer-Bound Doxorubicin. 15th Ann. Meeting of the American Association of Pharmaceutical Scientists, Indianapolis, Indiana, October 29-November 2, 2000. AAPS PharmSci. Suppl. Vol. 2, No. 4, 2000. Presentation No. 4112.
237. C. Wang, R.J. Stewart, J. Kopeček, Developing Novel Biomaterials Using Polymer Chemistry and Genetic Engineering Technology: Self-Assembled Hybrid Hydrogels. 5th New Jersey Symposium on Biomaterials Science, Sommerset, NJ, November 9-10, 2000. Proceedings.
238. T. Minko, P. Kopečková, J. Kopeček, Caspases-Dependent Apoptosis Signaling Pathways of Free and Polymer-Bound Doxorubicin in Human Ovarian Carcinoma. Keystone Symposium "Molecular Mechanisms of Apoptosis", Keystone, CO, January 16-22, 2001. Proceedings, p. 112.
239. Z.-R. Lu, J.-G. Shiah, S. Sakuma, P. Kopečková, J. Kopeček, Design of Novel Bioconjugates for Targeted Drug Delivery. Tenth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 19-22, 2001. Proceedings, pp. 62-65.
240. Y. Kasuya, Z.-R. Lu, P. Kopečková, S.E. Tabibi, J. Kopeček, Synthesis and Characterization of Various HPMA Copolymer-Geldanamycin Derivative Conjugates. Tenth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 19-22, 2001. Proceedings, pp. 202-203.
241. A. Nan, D. Nanayakkara, L.A. Walker, D. Wang, P. Kopečková, J. Kopeček, Y. Yardley, S.L. Croft, H. Ghandehari, Water Soluble Polymers for Antileishmanial Drug Delivery. Tenth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 19-22, 2001. Proceedings, pp. 204-205.
242. Y. Luo, N.J. Bernshaw, Z.-R. Lu, J. Kopeček, G.D. Prestwich, HPMA Copolymer-Hyaluronic Acid-Doxorubicin Bioconjugates: Targeted Delivery of Doxorubicin to Cancer Cells. Tenth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 19-22, 2001. Proceedings, pp. 212-213.
243. D. Wang, P. Kopečková, J. Kopeček, Hydrogels for Colon-Specific Drug Delivery: Synthesis by Polymer-Polymer Reaction with a New AZO Containing Precursor. Tenth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 19-22, 2001. Proceedings, pp. 216-217.
244. J. Kopeček, P. Kopečková, Tailor-Made Polymers for Targeted and Site-Specific Drug Delivery. International Symposium "New Trends in Polymers for Oral and Parenteral Administration", APGI/GTRV/EUFEPS Paris, March 12-13, 2001. Proceedings.
245. J. Kopeček, P. Kopečková, Genetically Engineered Protein Motifs in the Design of Novel Biomaterials and Drug Delivery Systems. 4th International Meeting on the Frontiers in Biomedical Polymers, Williamsburg, Virginia, May 16-19, 2001. Proceedings.
246. A. Nori, K. Jensen, P. Kopečková, J. Kopeček, Cytoplasmic Delivery and Nuclear Targeting of HPMA Copolymers-TAT Conjugates to Human Ovarian Carcinoma Cells. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #6122, pp. 854-855.

247. A. Tang, J. Kopeček, Oriented Immobilization of Engineered Peptides for Epitope Presentation: Implications for the Design of Targetable Drug Delivery Systems. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7158, pp. 1360-1361.
248. H. Ding, J. Kopeček, Design of Targeted Drug Delivery Systems: Selection and Optimization of CD21 Epitopes with Phage Display Libraries. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7164, pp. 1372-1373.
249. C. Wang, J. Kopeček, De Novo Designed Coiled-Coil Peptides as Chemical Crosslinkers for Stimuli-Responsive Hybrid Hydrogels. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #5121, pp. 391-392.
250. J. Kopeček, A. Tang, C. Wang, H. Ding, P. Kopečková, M. Pechar, C. Xu, Hybrid Polymer Constructs Containing a Coiled-Coil Domain. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #0113, pp. 8-9.
251. D. Wang, P. Chivukula, P. Kopečková, J. Kopeček, Hydrogels for Colon-Specific Delivery. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #6077, pp. 764-765.
252. J. Callahan, J. Kopeček, Poly(Ethylene Oxide)-Dimerized OV-TL16 Fab' Fragments for Targeting to and Uptake by OVCAR-3 Ovarian Carcinoma Cells. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7162, pp. 1368-1369.
253. M. Tijerina, P. Kopečková, J. Kopeček, Effects of Subcellular Trafficking and Localization of HPMA Copolymer-Mce₆ Conjugates on Anticancer Activity. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7135, pp. 1315-1316.
254. P. Kopečková, T. Minko, Z.-R. Lu, J. Kopeček, Bioconjugates for the Treatment of Cancer. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #0317, pp. 71-72.
255. M. Pechar, D. Wang, P. Kopečková, J. Kopeček, Design and Synthesis of Cathepsin K Inhibitor-Polymer Conjugates. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7137, pp. 1319-1320.
256. Y. Kasuya, Z.-R. Lu, P. Kopečková, S.E. Tabibi, J. Kopeček, Influence of the Structure of Drug Moieties on the Efficacy of HPMA Copolymer-Geldanamycin Derivative Conjugates. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7126, pp. 1297-1298.
257. Z.-R. Lu, J.-G. Shiah, P. Kopečková, J. Kopeček, Polymerizable Fab' Antibody Fragment Targeted HPMA Copolymer-Mesochlorin e₆ Conjugate: Biodistribution and Antitumor Activity. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7119, pp. 1283-1284.
258. S. Sakuma, Z.-R. Lu, P. Kopečková, J. Kopeček, Design of HPMA Copolymer-Drug Conjugates for Colon-Specific Delivery of 9-Aminocamptothecin. 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001. Proceedings, Abstract #7107, pp. 1259-1260.

259. J. Kopeček, Macromolecular Therapeutics: From Design to Clinical Trials. American Association of Colleges of Pharmacy Meeting, Toronto, Canada, July 7-10, 2001.
260. J. Kopeček, Novel Biomaterials from Synthetic and Genetically Engineered Polymers. Gordon Research Conference, Polymers (East), Colby Sawyer College, New Hampshire, July 8-13, 2001.
261. J. Kopeček, A. Tang, H. Ding, W.M. Proding, Genetically Engineered Epitopes in the Design of Targeted Drugs. 16th Ann. Meeting of the American Association of Pharmaceutical Scientists, Denver, Colorado, October 21-25, 2001.
262. A. Tang, J. Kopeček, Biorecognition of Epitopes Presented on a Peptide Scaffold and Selection of Targeting Moieties for the Design of New Polymeric Drug Carriers. 16th Ann. Meeting of the American Association of Pharmaceutical Scientists, Denver, Colorado, October 21-25, 2001.
263. M. Tijerina, P. Kopečková, J. Kopeček, Nuclear Delivery of HPMA Copolymer-Mce₆ Conjugates Utilizing a Nuclear Localization Signal. 16th Ann. Meeting of the American Association of Pharmaceutical Scientists, Denver, Colorado, October 21-25, 2001.
264. Y. Luo, N.J. Bernshaw, Z.-R. Lu, J. Kopeček, H. Li, G.D. Prestwich, Hyaluronic Acid Containing Bioconjugates: Targeted Delivery of Anti-cancer Drug Doxorubicin to Cancer Cells. 16th Ann. Meeting of the American Association of Pharmaceutical Scientists, Denver, Colorado, October 21-25, 2001.
265. D. Wang, M. Pechar, D. Brömme, P. Kopečková, J. Kopeček, Synthesis and In Vitro Evaluation of Cathepsin K Inhibitor – Polymer Conjugates. 2nd General Meeting of the International Proteolytic Society, Freising near Munich, Germany, October 31 – November 4, 2001.
266. A. Tang, P. Kopečková, J. Kopeček, Lymphoma-Targeting Polymeric Drug Carriers Mediated by Synthetic Epitopes. Gordon Research Conference “Drug Carriers in Medicine and Biology”, Ventura, California, February 24 - March 1, 2002.
267. M. Tijerina, P. Kopečková, J. Kopeček, Subcellular Trafficking and Compartmentalization of HPMA Copolymer – Mce₆ Conjugates in a Human Ovarian Carcinoma Affects Anticancer Activity. Gordon Research Conference “Drug Carriers in Medicine and Biology”, Ventura, California, February 24 - March 1, 2002.
268. A. Nori, M. Tijerina, K. Jensen, P. Kopečková, J. Kopeček, Cytoplasmic Delivery and Nuclear Targeting of Synthetic Macromolecules. 7th European Symposium on Controlled Drug Delivery, Noordwijk aan Zee, The Netherlands, April 3-5, 2002.
269. Z.-R. Lu, J.-G. Shiah, P. Kopečková, J. Kopeček, Antitumor Activity of Polymerizable Antibody Fab' Targeted Mesochlorin e₆ in Photodynamic Therapy in Mice. 93rd American Association of Cancer Research Annual Meeting, San Francisco, California, April 6-10, 2002.
270. J. Kopeček, P. Kopečková, Genetically Engineered Biomaterials and Drug Delivery Systems. International Conference in Advances in Biomaterials for Reconstructive Medicine, Capri, Italy, June 10-14, 2002.
271. J. Kopeček, P. Kopečková, Relationship Between the Structure of Polymeric Drug Carriers and their Subcellular Fate. World Polymer Congress IUPAC MACRO 2002, Beijing, China, July 7-12, 2002.
272. J. Kopeček, P. Kopečková, Polymeric Carriers Versus Particulate Carriers. 29th International Symposium on Controlled Release of Bioactive Materials, Seoul, Korea, July 21-25, 2002. Proceedings.

273. D. Wang, W. Li, M. Pechar, P. Kopečková, D. Brömme, J. Kopeček, Bioconjugates of Cathepsin K Inhibitors with Water-Soluble Polymers: Potential Drugs for the Treatment of Osteoporosis and Rheumatoid Arthritis. 11th International Pharmaceutical Technology Symposium "Intelligent Drug Delivery Systems", Hacettepe University, Istanbul, Turkey, September 9-11, 2002. Proceedings, pp. 12-13.
274. A. Nori, K.D. Jensen, M. Tijerina, P. Kopečková, J. Kopeček, Subcellular Trafficking of HPMA Copolymer-Tat Conjugates in Human Ovarian Carcinoma Cell Lines. 2nd International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute and Controlled Release Society, Bethesda, Maryland, September 23-25, 2002. Proceedings, pp. 19-22.
275. A. Malugin, P. Kopečková, J. Kopeček, HPMA Copolymer-Bound Doxorubicin Induces Apoptosis in Human Ovarian Carcinoma Cells by a Fas Independent Pathway. 2nd International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute and Controlled Release Society, Bethesda, Maryland, September 23-25, 2002. Proceedings, pp. 93-94.
276. N. Nishiyama, Y. Kasuya, P. Kopečková, J. Kopeček, Gene Expression Profiles of Human Ovarian Carcinoma Cells after Exposure to Free and HPMA Copolymer-Bound Geldanamycin (GDM) Derivative. 2nd International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute and Controlled Release Society, Bethesda, Maryland, September 23-25, 2002. Proceedings, pp. 96-98.
277. J. Kopeček, P. Kopečková, Polymer-Anticancer Drug Conjugates: Design, Subcellular Fate, and Mechanism of Action. ACS Prospective Conference Series "Future Directions in Drug Delivery Technologies", Boston, MA, October 13-16, 2002. Proceedings.
278. C. Xu, J. Kopeček, Protein-Based Triblock Copolymer as a Potential Drug Carrier. 17th Ann. Meeting of the American Association of Pharmaceutical Scientists, Toronto, Canada, November 10-14, 2002. Abstract M1098.
279. P. Chivukula, D. Wang, P. Kopečková, J. Kopeček, Design of Interpenetrating Network Hydrogels for Colon-Specific Drug Delivery. 17th Ann. Meeting of the American Association of Pharmaceutical Scientists, Toronto, Canada, November 10-14, 2002. Abstract M1099.
280. T. Merdan, P. Kopečková, T. Kissel, J. Kopeček, A Novel Gene Delivery System for Targeting of Ovarian Carcinoma Cells. 17th Ann. Meeting of the American Association of Pharmaceutical Scientists, Toronto, Canada, November 10-14, 2002. Abstract M1041.
281. H. Ding, W.M. Proding, J. Kopeček, Design of A Lymphoma Targeted Drug Delivery System: Selection of CD21 Recognizable Epitopes with Phage Display. 17th Ann. Meeting of the American Association of Pharmaceutical Scientists, Toronto, Canada, November 10-14, 2002. Abstract M1040.
282. J. Kopeček, Macromolecular Anticancer Therapeutics: From Design to Clinical Trials. Fifth International Symposium on Innovations in Pharmaceutical Sciences and Technology, Mumbai, India, February 1-3, 2003. Abstracts, p. 37.
283. J. Kopeček, Macromolecular Enzyme Inhibitors: Potential Drugs for the Treatment of Osteoporosis and Rheumatoid Arthritis. Fifth International Symposium on Innovations in Pharmaceutical Sciences and Technology, Mumbai, India, February 1-3, 2003. Abstracts, p. 71.
284. S. Gao, Z.-R. Lu, B. Petri, P. Kopečková, J. Kopeček, A Novel HPMA Copolymer – 9-Aminocamptothecin Conjugate Containing 1,6-Elimination Spacer for Oral Colon-Specific Delivery. CRS Winter Symposium and 11th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, March 3-6, 2003. Proceedings, Abstract 125.

285. D. Wang, W. Li, M. Pechar, P. Kopečková, D. Brömme, J. Kopeček, Targeted Delivery of Cathepsin K Inhibitor with Water-Soluble Synthetic Polymers. CRS Winter Symposium and 11th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, March 3-6, 2003. Proceedings, Abstract 35.
286. T. Merdan, H. Petersen, K. Kunath, J. Callahan, P. Kopečková, K. Voigt, T. Kissel, J. Kopeček, A Novel Versatile Vector-System for Targeted In Vivo Gene Therapy. CRS Winter Symposium and 11th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, March 3-6, 2003. Proceedings, Abstract 43.
287. N. Nishiyama, Y. Kasuya, P. Kopečková, J. Kopeček, Gene Expression Profiles of Human Ovarian Carcinoma Cells after Exposure to Free and HPMA Copolymer-Bound Geldanamycin (GDM) Derivative. 94th Annual Meeting of the American Association for Cancer Research, Toronto, Ontario, Canada, April 5-9, 2003. Proceedings Amer. Assoc. Cancer Res. (1st ed.) 44, 836 (2003); Abstract #3654.
288. J. Kopeček, P. Kopečková, Macromolecular Therapeutics: State-of-the-Art and Future Potential. 37th Gatefosse Meeting, Saint Remy de Provence, France, June 12-14, 2003. Proceedings.
289. A. Amiri, P. Kopečková, Z.-R. Lu, J. Kopeček, A Novel Copolymer for Cancer Therapeutics: HPMA – SOS Thiophene Conjugates. 30th International Symposium on Controlled Release of Bioactive Materials, Glasgow, Scotland, July 19-23, 2003. Proceedings.
290. D. Wang, S. Miller, P. Kopečková, J. Kopeček, Design and Synthesis of Polymeric Bone-targeted Drug Delivery System. 30th International Symposium on Controlled Release of Bioactive Materials, Glasgow, Scotland, July 19-23, 2003. Proceedings, Poster #501.
291. J. Kopeček, P. Kopečková, Targeting of Drugs to Cancerous and Inflamed Tissues. 6th World Congress on Inflammation, Vancouver, Canada, August 2-6, 2003. Inflammation Res. 52, Suppl. 2, S81 (2003).
292. D. Wang, S. Miller, M. Sima, P. Kopečková, J. Kopeček, Bone-targeted Drug Delivery Systems. 33rd International Sun Valley Hard Tissue Workshop, Sun Valley, Idaho, August 4-8, 2003. Abstracts, Poster # 26.
293. J. Kopeček, P. Kopečková, Macromolecular Therapeutics: Design, Subcellular Fate and Mechanism of Action. 24th Annual Congress of the Academy of Pharmaceutical Sciences, Durban, South Africa, September 7-10, 2003. Proceedings.
294. J. Kopeček, P. Kopečková, Macromolecular Enzyme Inhibitors: Potential Drugs for the Treatment of Osteoporosis and Rheumatoid Arthritis. 24th Annual Congress of the Academy of Pharmaceutical Sciences, Durban, South Africa, September 7-10, 2003. Proceedings.
295. J. Kopeček, P. Kopečková, Smart Conjugates for Drug Delivery. 1st EUFEPS Conference on Optimizing Drug Delivery and Formulation: New Challenges in Drug Delivery, Versailles, France, September 29 – October 1, 2003. Proceedings.
296. J. Kopeček, P. Kopečková, Polymer Therapeutics: Design, Clinical Applications, and Future Directions. 18th Ann. Meeting of the American Association of Pharmaceutical Scientists, Salt Lake City, Utah, October 26-30, 2003. Abstracts.
297. C. Gervelas, P. Kopečková, J. Kopeček, Cell Death Mode in A2780/AD Human Ovarian Carcinoma Cells Induced by Photodynamic Therapy with HPMA Copolymer – Chlorin e₆ Conjugates. 18th Ann. Meeting of the American Association of Pharmaceutical Scientists, Salt Lake City, Utah, October 26-30, 2003. Abstracts.

298. S. Gao, Z.-R. Lu, B. Petri, P. Kopečková, J. Kopeček, A Colon-Specific 9-Aminocamptothecin Delivery System Based on HPMA Copolymer Conjugates Containing 1,6-Elimination Spacer. 18th Ann. Meeting of the American Association of Pharmaceutical Scientists, Salt Lake City, Utah, October 26-30, 2003. Abstracts.
299. D. Wang, S.C. Miller, M. Sima, P. Kopečková, J. Kopeček, Synthesis and Evaluation of Water-Soluble Polymeric Bone-Targeted Drug Delivery Systems. 18th Ann. Meeting of the American Association of Pharmaceutical Scientists, Salt Lake City, Utah, October 26-30, 2003. Abstracts.
300. D. Wang, S.C. Miller, P. Kopečková, J. Kopeček, Bone-Targeted Polymer Therapeutics. 6th International Symposium on Polymer Therapeutics: From Laboratory to Clinical Practice, Welsh School of Pharmacy, Cardiff University, United Kingdom, January 7-9, 2004. Proceedings, p. 84.
301. A. Nori, N. Nishiyama, A. Malugin, P. Kopečková, J. Kopeček, Cytoplasmic and Nuclear Delivery of HPMA Copolymer Conjugates: Impact on Mechanism of Action. 6th International Symposium on Polymer Therapeutics: From Laboratory to Clinical Practice. Welsh School of Pharmacy, Cardiff University, United Kingdom, January 7-9, 2004. Proceedings, p. 17.
302. J. Kopeček, P. Kopečková, Pharmaceutical Nanotechnology: State of the Art and Future Prospects. Advances in Pharmaceutical Nanotechnology Conference, Mahidol University, Bangkok, Thailand, February 25-26, 2004. Proceedings.
303. J. Kopeček, Synthesis and Biological Evaluation of Water-Soluble Polymeric Drug Carriers. Globalization of Pharmaceutical Education Meeting, Kyoto, Japan, May 26-28, 2004. Proceedings.
304. A. Nori, P. Kopečková, J. Kopeček, Design and Evaluation of HPMA Copolymer-Tat Conjugates as Potential Carriers for Photodynamic Therapy. Globalization of Pharmaceutical Education Meeting, Kyoto, Japan, May 26-28, 2004. Proceedings, Lecture O2-11.
305. P. Chivukula, D. Wang, P. Kopečková, J. Kopeček, Evaluation of Novel Hydrogels as Colon-Specific Drug Delivery Systems. Globalization of Pharmaceutical Education Meeting, Kyoto, Japan, May 26-28, 2004. Proceedings, Poster P2-34.
306. J. Kopeček, Genetically Engineered Protein Motifs in the Design of Novel Polymers and Drug Delivery Systems. Meeting to Celebrate 50 years of Polymer Science and Education in China, Peking University, Beijing, China, May 28 – June 1, 2004. Proceedings.
307. J. Kopeček, Engineering Polymeric Drug Delivery Constructs at the Molecular Level: Need for New Synthetic Strategies. Genetic Engineering of Polymeric Biomaterials for Controlled Drug Delivery and Biomedical Applications Workshop, Controlled Release Society, Honolulu, Hawaii, June 12, 2004. Proceedings.
308. J. Kopeček, P. Kopečková, A. Malugin, V. Cuchelkar, A. Nori, C. Gervelas, Receptor-Mediated Targeting of Macromolecular Therapeutics. 31st International Symposium on Controlled Release of Bioactive Materials, Honolulu, Hawaii, June 12-16, 2004. Proceedings, Abstract # 107.
309. V. Cuchelkar, A. Nori, C. Gervelas, C. Lim, P. Kopečková, J. Kopeček, Synthesis and Biological Evaluation of HPMA Copolymer-Bound Cortisol-Targeted Mesochlorin Derivative. 31st International Symposium on Controlled Release of Bioactive Materials, Honolulu, Hawaii, June 12-16, 2004. Proceedings, Abstract # 697.
310. D. Wang, S.C. Miller, M. Sima, H. Buswell, C. Goodrich, D. Parker, P. Kopečková, J. Kopeček, A Novel Approach to Rheumatoid Arthritis (RA) Treatment Using Polymeric Drug Delivery Systems – A

- Preliminary Study. 31st International Symposium on Controlled Release of Bioactive Materials, Honolulu, Hawaii, June 12-16, 2004. Proceedings, Abstract # 141.
311. J. Kopeček, C. Xu, J. Yang, Macromolecular Systems Containing Coiled-Coil Domains. MACRO 2004 – 40th IUPAC World Polymer Congress, Paris, France, July 4-9, 2004. Proceedings.
 312. J. Yang, C. Xu, J. Kopeček, Self-Assembly of Hybrid Hydrogels Mediated by Coiled-Coil Protein Domains. Gordon Research Conference “Drug Carriers in Medicine and Biology”, Big Sky, Montana, September 5-10, 2004.
 313. H. Ding, W. Proding, J. Kopeček, Identification of Peptides for Lymphoma Targeting with a One-Bead One-Compound Peptide Library. Gordon Research Conference “Drug Carriers in Medicine and Biology”, Big Sky, Montana, September 5-10, 2004.
 314. J. Kopeček, Macromolecular Anticancer Drugs: Design, Mechanism of Action, and Clinical Potential. Plenary Lecture, Joint Meeting of the Pharmaceutical Societies of Germany, Austria, and the Czech Republic, Regensburg, Germany, October 6-9, 2004. Abstracts, p. 65.
 315. C. Xu, J. Kopeček, Stimuli-Sensitive Drug Carriers from Protein-Based Triblock Copolymers. 19th Annual Meeting of the American Association of Pharmaceutical Scientists, Baltimore, Maryland, November 7-11, 2004. Abstracts.
 316. J. Yang, C. Xu, P. Kopečková, J. Kopeček, Self-Assembling Hybrid Hydrogels from HPMA Graft Copolymers Containing Coiled-Coil Domains. 2004 Materials Research Society Fall Meeting, Boston, Massachusetts, November 29 – December 3, 2004. Abstract Z8.28.
 317. C. Xu, V. Breedveld, J. Kopeček, Stimuli-Sensitive Drug Carriers from a Triblock Polypeptide. Twelfth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 21-24, 2005. Proceedings, pp. 230-231.
 318. A. Nori, P. Kopečková, J. Kopeček, Evaluation of HPMA-Tat Conjugates for Photodynamic Therapy. Twelfth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 21-24, 2005. Proceedings, pp. 154-155.
 319. J. Yang, C. Wang, C. Xu, J. Kopeček, Hybrid Hydrogels Assembled from HPMA Copolymers Containing Coiled-Coil Peptide Grafts Forming Antiparallel Heterodimers. Twelfth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 21-24, 2005. Proceedings, pp. 232-233.
 320. A. Malugin, P. Kopečková, J. Kopeček, Disruption of Mitochondrial Membrane Potential During Apoptosis Induced by HPMA Copolymer-Bound Doxorubicin in Ovarian Carcinoma Cells. Twelfth International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 21-24, 2005. Proceedings, pp. 140-141.
 321. J. Kopeček, Self-Assembly of Graft and Block Copolymers into Stimuli-Sensitive Hydrogels Mediated by Coiled-Coil Domains. Gordon Conference, “Chemistry of Supramolecules and Assemblies”, Colby College, Waterville, ME, June 12-17, 2005.
 322. A. Nori, P. Kopečková, J. Kopeček, Elucidation of the Potential of HPMA Copolymer-Tat Conjugates for Antisense Oligonucleotide Therapy. 32nd International Symposium on Controlled Release of Bioactive Materials, Miami Beach, Florida, June 18-22, 2005. Proceedings.

323. A. Malugin, P. Kopečková, J. Kopeček, Apoptosis Induced in Ovarian Cancer Cells by HEMA Copolymer-Bound Doxorubicin Is Mediated by Bcl-2 Family Proteins. 32nd International Symposium on Controlled Release of Bioactive Materials, Miami Beach, Florida, June 18-22, 2005. Proceedings.
324. P. Chivukula, K. Dušek, D. Wang, M. Dušková-Smrčková, P. Kopečková, J. Kopeček, Novel Azo Bond-Containing pH-Sensitive IPN Hydrogels: Design, Characterization, and Application. 44th Microsymposium on Macromolecules "Polymer Gels and Networks", Institute of Macromolecular Chemistry, Prague, July 10-14, 2005. Abstracts, p. 134.
325. J. Kopeček, J. Yang, C. Xu, P. Kopečková, Self-Assembly of Hydrogels Mediated by Coiled-Coil Domains. 44th Microsymposium on Macromolecules "Polymer Gels and Networks", Institute of Macromolecular Chemistry, Prague, July 10-14, 2005. Abstracts, p. 33.
326. J. Yang, C. Xu, C. Wang, J. Kopeček, Novel Hybrid Hydrogels Self-Assembled from HEMA Copolymers Containing Coiled-Coil Peptide Grafts. 44th Microsymposium on Macromolecules "Polymer Gels and Networks", Institute of Macromolecular Chemistry, Prague, July 10-14, 2005. Abstracts, p. 133.
327. R. Johnson, J. Kopeček, Selection of Specifically Binding Peptides to the B-Cell Lymphocyte Antigen CD20. 1st Annual Mountain West Biomedical Engineering Conference, Snowbird, Utah, September 16-17, 2005.
328. J. Callahan, J. Kopeček, Semitelechelic HEMA Copolymers Possessing the Lipophilic Cation Triphenylphosphonium are Internalized by Endocytosis and do not Localize to Mitochondria. 1st Annual Mountain West Biomedical Engineering Conference, Snowbird, Utah, September 16-17, 2005.
329. V. Cuchelkar, A. Nori, C. Gervelas, C. Lim, P. Kopečková, J. Kopeček, Synthesis and Biological Evaluation of Nuclear Targeted HEMA Copolymer-Bound Mesochlorin e₆. 1st Annual Mountain West Biomedical Engineering Conference, Snowbird, Utah, September 16-17, 2005.
330. D. Wang, S.C. Miller, B.L. Anderson, M. Sima, P. Kopečková, J. Kopeček, Development of Polymeric Drug Delivery Systems that can Differentially Target Bone Formation and Resorption Surfaces. 27th Annual Meeting of the American Society for Bone and Mineral Research (ASBMR), Nashville, TN, September 23-27, 2005.
331. J. Kopeček, P. Kopečková, A. Malugin, A. Nori, V. Cuchelkar, H. Ding, Water-Soluble Polymers for Cancer Therapy: From Concept to Clinic. 3rd International Nanomedicine and Drug Delivery Symposium, University of Maryland, Baltimore, MD, September 26-27, 2005. Proceedings, p. 47.
332. J. Kopeček, Biomaterials, Medical Devices, and Drug Delivery Systems. 2005 Annual Meeting of the American Association of Pharmaceutical Scientists, Nashville, Tennessee, November 6-10, 2005.
333. J. Kopeček, J. Yang, C. Xu, P. Kopečková, Hydrogels Self-Assembled from Graft and Block Copolymers. Pacific Polymer Federation 9 (PPF9) Meeting, Maui, Hawaii, December 6-10, 2005.
334. S. Gao, P. Kopečková, Y. Sun, Z.-R. Lu, C.M. Peterson, J. Kopeček, Activity of Polymer-Bound 9-Aminocamptothecin in a Colon Cancer Model. 40th Annual Scientific Meeting of the European Society for Clinical Investigation, Prague, March 15-18, 2006. Eur. J. Clin. Inv. 36 (Suppl. 1), 52-53 (2006).
335. J. Kopeček, J. Yang, C. Xu, Hydrogels Self-Assembled from Block and Graft Copolymers. 3rd Conference on Foundation of Nanoscience (FNANO06): Self-Assembled Architectures and Devices, Snowbird, Utah, April 23-27, 2006. Proceedings, p. 232.
336. J. Kopeček, Smart Biomaterials and Drug Delivery Systems. 25th Annual Meeting of the Canadian Biomaterials Society, Calgary, Alberta, May 26-28, 2006. Proceedings.

337. S. Gao, Y. Sun, C.M. Peterson, P. Kopečková, J. Kopeček, Antitumor Efficacy of Colon-Specific HPMA Copolymer – 9-Aminocamptothecin Conjugates in Mice Bearing Human Colon Carcinoma Xenografts. 33rd Annual Meeting of the Controlled Release Society, Austria Center, Vienna, Austria, July 22-26, 2006. Proceedings.
338. D. Wang, M. Sima, R.L. Mosley, J.P. Davda, N. Tietze, S.C. Miller, P.R. Gwilt, P. Kopečková, J. Kopeček, Pharmacokinetic and Biodistribution of Bone-Targeting N-(2-Hydroxypropyl)methacrylamide (HPMA) Copolymers in Balb/c Mice. 36th International Sun Valley Workshop on Skeletal Tissue Biology, Sun Valley, Idaho, July 30 – August 2, 2006.
339. J. Callahan, J. Kopeček, Semitelechelic HPMA Copolymers Functionalized with Triphenylphosphonium as Drug Carriers for Membrane Transduction and Mitochondrial Localization. Gordon Research Conference on Drug Carriers In Medicine and Biology, Big Sky, Montana, August 20-25, 2006.
340. A. Malugin, P. Kopečková, J. Kopeček, Antiproliferative Activity of HPMA Copolymer-Fenretinide Conjugate. Fourth International Nanomedicine and Drug Delivery Symposium, Omaha, Nebraska, October 8-10, 2006. Proceedings, p. 114.
341. A. Malugin, P. Kopečková, J. Kopeček, Cell Cycle Regulation by HPMA Copolymer-Doxorubicin Conjugate. Fourth International Nanomedicine and Drug Delivery Symposium, Omaha, Nebraska, October 8-10, 2006. Proceedings, p. 115.
342. H. Pan, P. Kopečková, D. Wang, J. Yang, M. Sima, S. Miller, J. Kopeček, New HPMA Copolymer-Prostaglandin E1 Conjugate for Treatment of Osteoporosis. Fourth International Nanomedicine and Drug Delivery Symposium, Omaha, Nebraska, October 8-10, 2006. Proceedings, p. 126.
343. J. Kopeček, Swell Gels: From Hydrogel Implants to Nanomaterials Self-Assembled from Block and Graft Copolymers. The 28th Annual Meeting of Japanese Society for Biomaterials, Tokyo, Japan, November 27-28, 2006. Proceedings, p. 35.
344. J. Kopeček, Polymeric Nanomedicines for Cancer Chemotherapy: From Concept to Clinic. Drug Delivery and Translational Research Symposium, Polytechnic University, Brooklyn, NY, December 4-5, 2006.
345. J. Kopeček, Swell Gels: From Hydrogel Implants to Nanomaterials Self-Assembled from Block and Graft Copolymers. Biomaterials from 2D to 3D to Larger-than-Life Symposium, Sheraton, Maui, December 14-17, 2006.
346. J. Kopeček, Current Status of Polymer Therapeutics. International Symposium on Polymer Therapeutics ISPT-07, Berlin, Germany, February 19-21, 2007. Proceedings, p. 30.
347. J. Liu, H. Pan, P. Kopečková, J. Kopeček, Internalization and Subcellular Fate of HPMA Copolymer – Doxorubicin Conjugates. International Symposium on Polymer Therapeutics ISPT-07, Berlin, Germany, February 19-21, 2007. Proceedings, p. 49.
348. J. Hongrapipat, P. Kopečková, S. Prakongpan, J. Kopeček, Combination Treatment of Human Ovarian Carcinoma Cells with Fab'-Targeted HPMA Copolymer – SOS Thiophene and Mce₆ Conjugates. 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 26-28, 2007. Proceedings, pp. 132-133.
349. J. Callahan, P. Kopečková, J. Kopeček, Physicochemical Factors that Determine the Subcellular Trafficking and Fate of Microinjected HPMA Copolymers. 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 26-28, 2007. Proceedings, pp. 70-71.

350. H. Pan, J. Liu, P. Kopečková, D. Wang, S. Miller, J. Kopeček, HPMA Copolymer – Prostaglandin E₁ Conjugates for the Treatment of Osteoporosis: In Vitro and In Vivo Studies. 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 26-28, 2007. Proceedings, pp. 215-216.
351. J. Liu, H. Pan, P. Kopečková, J. Kopeček, Determination of the Mechanism of Endocytotic Uptake of HPMA Copolymer – Doxorubicin Conjugates. 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 26-28, 2007. Proceedings, pp. 41-42.
352. B. Říhová, O. Hovorka, P. Kopečková, J. Kopeček, A New Approach for Anticancer Immunochemotherapy. 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 26-28, 2007. Proceedings, pp. 189-190.
353. A. Malugin, P. Kopečková, J. Kopeček, Doxorubicin Release from HPMA Copolymer Conjugate is Essential for the Induction of Cell Cycle Arrest. 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 26-28, 2007. Proceedings, pp. 191-192.
354. J. Kopeček, Smart Drug Delivery Systems: State-of-the-Art and Future Directions. Pharmaceutical Sciences World Congress, Amsterdam, The Netherlands, April 22-25, 2007. Proceedings.
355. J. Kopeček, Swell Gels: From Hydrogel Implants to Nanomaterials Self-Assembled from Block and Graft Copolymers. 5th International Workshop on Drug Delivery Systems, Trest, Czech Republic, May 15-18, 2007. Abstracts p. 12.
356. B. Říhová, O. Hovorka, P. Kopečková, J. Kopeček, Anti DR5 Bound to HPMA: New Approach for Immunochemotherapy of Cancer. 5th International Workshop on Drug Delivery Systems, Trest, Czech Republic, May 15-18, 2007. Abstracts p. 23.
357. P. Kopečková, H. Ding, J. Kopeček, Identification of Cancer Targeting Peptides for HPMA Copolymer Conjugates Using Combinatorial Approaches. 5th International Workshop on Drug Delivery Systems, Trest, Czech Republic, May 15-18, 2007. Abstracts p. 24.
358. J. Kopeček, Polymeric Nanomedicines for Cancer Therapy: From Concept to Clinic. 10th International Symposium on Pharmaceutical Sciences, Montreal, Quebec, Canada, May 30 – June 2, 2007. Abstracts, p. 32.
359. M. Dušková-Smrčková, J. Kopeček, K. Dušek, Hybrid Hydrogels Formed by Association of Peptide Motifs: Networks or Liquids. European Polymer Congress, Portoroz, Slovenia, July 2-6, 2007. Abstract OC2.3.16.
360. A. Malugin, P. Kopečková, J. Kopeček, The Chemopreventive and Anticancer Activity of HPMA Copolymer-Fenretinide Conjugate *In Vitro*. 34th Annual Meeting of the Controlled Release Society, Long Beach, California, July 7-11, 2007. Proceedings.
361. J. Kopeček, Design, Synthesis, and Characterization of Biorecognizable Polymers for Drug Delivery. British Pharmaceutical Conference, Manchester, UK, September 10-12, 2007.
362. J. Yang, K. Wu, Č. Koňák, J. Kopeček, Dynamic Light Scattering Study of the Self-Assembly of HPMA Copolymers Containing Peptide Grafts. 3rd Annual Mountain West Biomedical Engineering Conference, Park City, Utah, September 21-22, 2007.
363. L.C. Radu, J. Yang, J. Kopeček, Associative Diblock Copolymers of Poly[N-(2-Hydroxypropyl)methacrylamide] and a Beta Sheet Peptide. 3rd Annual Mountain West Biomedical Engineering Conference, Park City, Utah, September 21-22, 2007.

364. K. Wu, J. Yang, P. Kopečková, J. Kopeček, Novel Synthesis of HPMA Copolymers Containing Peptide Grafts and Their Self-Assembly into Hybrid Hydrogels. 3rd Annual Mountain West Biomedical Engineering Conference, Park City, Utah, September 21-22, 2007.
365. R. Johnson, P. Kopečková, J. Kopeček, Interactions of a Multi-targeted Nanocarrier with the B-Cell Antigen CD20. 3rd Annual Mountain West Biomedical Engineering Conference, Park City, Utah, September 21-22, 2007.
366. H. Pan, J. Liu, M. Sima, D. Wang, S. Miller, P. Kopečková, J. Kopeček, Release of Prostaglandin E₁ from HPMA Copolymer Conjugates by Different Cell Types. 3rd Annual Mountain West Biomedical Engineering Conference, Park City, Utah, September 21-22, 2007.
367. J. Kopeček, J. Yang, Self-Assembly of Block and Graft Copolymers Mediated by Coiled-Coil Domains. 2nd Annual International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 30 – November 1, 2007.
368. J. Yang, K. Wu, Č. Koňák, J. Kopeček, HPMA-Based Bio-Inspired Hybrid Hydrogels. 2nd Annual International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 30 – November 1, 2007.
369. K. Wu, J. Yang, Č. Koňák, P. Kopečková, J. Kopeček, Synthesis of HPMA Graft Copolymers via Macromonomer Free Radical Copolymerization and their Self-Assembly into Hybrid Hydrogels. 2nd Annual International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 30 – November 1, 2007.
370. S.C. Miller, H. Pan, D. Wang, B.M. Bowman, P. Kopečková, J. Kopeček, A Bone-Targeted, Macromolecular Delivery System Sustains the Anabolic Effects of Prostaglandin E₁ on Indices of Bone Formation. Meeting on Targeting Bone Remodeling for the Treatment of Osteoporosis, Washington, D.C., December 6-7, 2007.
371. J. Hongrapipat, P. Kopečková, S. Prakongpan, J. Kopeček, Enhanced Antitumor Activity of Combinations of Free and HPMA Copolymer-Bound Drugs. Royal Golden Jubilee Seminar Series LIX: Nanotechnology in Drug Delivery, Pattaya, Thailand, April 4-6, 2008.
372. J. Kopeček, P. Kopečková, J. Callahan, V. Cuchelkar, Subcellular Fate of Polymeric Drug/Gene Carriers. 235th American Chemical Society National Meeting, New Orleans, Louisiana, April 6-10, 2008.
373. E. Segal, H. Pan, T. Udagawa, P. Kopečková, J. Kopeček, R. Satchi-Fainaro, Synthesis and Characterization of a Novel Combined Anticancer and Antiangiogenic Polymer Therapeutics. American Association of Cancer Research Annual Meeting, San Diego, CA, April 12-16, 2008.
374. L. Bes-Radu, J. Yang, J. Kopeček, Self-Assembling Diblock Copolymer of Poly[N-(2-Hydroxypropyl)methacrylamide and a β -Sheet Peptide. 5th Annual Conference on Foundation of Nanoscience: Self-Assembled Architectures and Devices (FNANO08), Snowbird, Utah, April 22-25, 2008. Proceedings, p. 108-109.
375. J. Yang, J. Kopeček, Self-Assembly of Peptide-Grafted HPMA Copolymers and Their Potential for Sustained Release of Biomacromolecules. 5th Annual Conference on Foundation of Nanoscience: Self-Assembled Architectures and Devices (FNANO08), Snowbird, Utah, April 22-25, 2008. Proceedings, p. 81.
376. J. Kopeček, Bone-Targeting Macromolecular Therapeutics. International Advanced Drug Delivery Symposium, National Tsing Hua University, Hsinchu, Taiwan, April 28 – May 1, 2008.

377. J. Kopeček, Polymeric Nanomedicines: Current Status and Future Prospects. 2nd LTS Academy Meeting “Unmet Needs in Parenteral Drug Delivery”, West Caldwell, NJ, May 15-16, 2008.
378. H. Pan, P. Kopečková, J. Liu, M. Sima, D. Wang, S. Miller, J. Kopeček, Bone-Targeted HPMA Copolymer – Prostaglandin E₁ Conjugates for the Treatment of Osteoporosis. 7th International Symposium on Polymer Therapeutics, Valencia, Spain, May 26-28, 2008. Abstracts p. 43.
379. V. Cuchelkar, P. Kopečková, J. Kopeček, Combined Cellular and Subcellular Targeting of HPMA Copolymer-Bound Mesochlorin. 7th International Symposium on Polymer Therapeutics, Valencia, Spain, May 26-28, 2008. Abstracts.
380. E. Segal, H. Pan, T. Udagawa, P. Kopečková, J. Kopeček, R. Satchi-Fainaro, In Vitro Evaluation of a Novel Bi-Specific Antitumor and Antiangiogenic Polymer Therapeutics. 7th International Symposium on Polymer Therapeutics, Valencia, Spain, May 26-28, 2008. Abstracts, p. 60.
381. J. Kopeček, Swell Gels: From Hydrogel Implants to Self-Assembled Nanomaterials. International Workshop on Biomacromolecules 2008, Royal Institute of Technology, Stockholm, Sweden, June 1-4, 2008.
382. J. Kopeček, Swell Gels: Nanomaterials Self-Assembled from Block and Graft Copolymers. US/China Materials Research Societies Meeting, Chongqing, China, June 9-12, 2008.
383. J. Yang, J. Kopeček, Peptide-Directed Self-Assembly of PolyHPMA Hybrid Hydrogels. US/China Materials Research Societies Meeting, Chongqing, China, June 9-12, 2008.
384. J. Kopeček, J. Callahan, P. Kopečková, Intracellular Trafficking and Subcellular Distribution of Synthetic Macromolecules. Symposium on Cellular Delivery of Therapeutic Macromolecules, Cardiff University, Cardiff, Wales, June 23-25, 2008.
385. H. Pan, P. Kopečková, J. Liu, M. Sima, D. Wang, S. Miller, J. Kopeček, Bone-Targeted HPMA Copolymer – Prostaglandin E₁ Conjugates for the Treatment of Osteoporosis. Gordon Research Conference on Drug Carriers in Medicine and Biology, Big Sky, Montana, August 24-29, 2008.
386. J. Liu, P. Kopečková, P. Bühler, H. Pan, H. Bauer, U. Elsässer-Beile, J. Kopeček, A New Generation of AntiPSMA Antibodies Facilitates Targeting of HPMA Copolymer Conjugates to Prostate Cancer Cells. Gordon Research Conference on Drug Carriers in Medicine and Biology, Big Sky, Montana, August 24-29, 2008.
387. W. Yuan, J. Yang, P. Kopečková, J. Kopeček, Smart Hydrogels Containing Adenylate Kinase: Translating Substrate Recognition into Macroscopic Motion. Mountain West Biomedical Engineering Conference, Canyons Resort, Park City, Utah, September 5-6, 2008.
388. J. Kopeček, Polymeric Nanomedicines: Current Status and Future Prospects. 4th Annual Utah Nanotechnology Conference NanoUtah2008, Huntsman Cancer Institute, Salt Lake City, Utah, October 16-17, 2008. Proceedings, p. 18.
389. P. Kopečková, V. Cuchelkar, J. Kopeček, Subcellular Targeting of HPMA Copolymer-Bound Photosensitizer Mesochlorin e₆ to Mitochondria and Nucleus. 4th Annual Utah Nanotechnology Conference NanoUtah2008, Huntsman Cancer Institute, Salt Lake City, Utah, October 16-17, 2008. Proceedings, p. 39.

390. J. Liu, P. Kopečková, P. Bühler, P. Wolf, H. Pan, H. Bauer, U. Elsässer-Beile, J. Kopeček, A New Generation of Anti-PSMA Antibodies Facilitates Targeting of HPMA Copolymer Conjugates to Prostate Cancer Cells. 4th Annual Utah Nanotechnology Conference NanoUtah2008, Huntsman Cancer Institute, Salt Lake City, Utah, October 16-17, 2008. Proceedings, p. 41.
391. H. Pan, P. Kopečková, J. Liu, J. Yang, D. Wang, S. Miller, J. Kopeček, Bone Targeting HPMA Copolymer Conjugate for the Treatment of Osteoporosis. 4th Annual Utah Nanotechnology Conference NanoUtah2008, Huntsman Cancer Institute, Salt Lake City, Utah, October 16-17, 2008. Proceedings, p. 44.
392. W. Yuan, J. Yang, P. Kopečková, J. Kopeček, Smart Hydrogels Containing Adenylate Kinase: Translating Substrate Recognition into Macroscopic Motion. 4th Annual Utah Nanotechnology Conference NanoUtah2008, Huntsman Cancer Institute, Salt Lake City, Utah, October 16-17, 2008. Proceedings, p. 46.
393. J. Kopeček, Polymeric Nanomedicines: Biorecognition and Efficacy. 3rd Annual International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 28-29, 2008.
394. W. Yuan, J. Yang, P. Kopečková, J. Kopeček, Stimuli-Responsive Hybrid Hydrogels via Enzyme-Substrate Recognition, 3rd Annual International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 28-29, 2008.
395. J. Liu, H. Pan, P. Kopečková, J. Kopeček, Double-Targeted Macromolecular Therapeutics for the Treatment of Prostate Cancer. NCI Translational Science Meeting, Washington, DC, November 7-9, 2008. Abstract #206.
396. R.N. Johnson, P. Kopečková, J. Kopeček, Physicochemical Evaluation of Multivalent HPMA Copolymer-Fab' Conjugates Targeting CD20. 14th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 15-18, 2009. Proceedings, p. 160-161.
397. J. Liu, H. Bauer, J. Callahan, P. Kopečková, H. Pan, J. Kopeček, Physico-Chemical Characteristics Determine Endocytosis and Subcellular Trafficking of a Large Array of HPMA Copolymers. 14th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 15-18, 2009. Proceedings, p. 103-104.
398. J. Hongrapipat, P. Kopečková, S. Prakongpan, J. Kopeček, The Synergism in Anticancer Effects of Combinations of Free and HPMA Copolymer-Bound Drugs. 6th Annual Cancer Drug Research and Development Conference, Philadelphia, Pennsylvania, February 19-20, 2009.
399. H. Pan, P. Kopečková, J. Liu, J. Yang, D. Wang, S. Miller, J. Kopeček, Bone Targeted HPMA Copolymer – Prostaglandin Conjugates. 237th American Chemical Society National Meeting, Salt Lake City, Utah, March 22-26, 2009.
400. J. Yang, L. Wu, K. Wu, W. Yuan, P. Kopečková, J. Kopeček, Design and Preparation of Stimuli-Responsive Hybrid Biomaterials. 237th American Chemical Society National Meeting, Salt Lake City, Utah, March 22-26, 2009.
401. J. Liu, H. Bauer, J. Callahan, P. Kopečková, H. Pan, J. Kopeček, Endocytosis and Subcellular Trafficking of a Large Array of HPMA Copolymers: Elucidation into the Dependency on the Physico-Chemical Characteristics. 100th Annual Meeting of the American Association of Cancer Research, Denver, CO, April 18-22, 2009.

402. J. Kopeček, J. Yang, Peptide-Directed Self-Assembly of Responsive Hydrogels. 8th International Symposium on Frontiers in Biomedical Polymers, Mishima, Japan, May 20-23, 2009.
403. J. Kopeček, Smart Biomaterials and Drug Delivery Systems. 1st International Summer School "Nanomaterials and Nanotechnologies in Living Systems", Zarya Center near Moscow, Russia, June 29 – July 4, 2009. Proceedings, pp. 36-38.
404. J. Kopeček, Polymeric Nanomedicines: Intracellular Trafficking and Subcellular Fate. 34th FEBS Congress, Prague, Czech Republic, July 4-9, 2009. FEBS Letters 276 (Suppl. 1), 85 (2009).
405. S. Filippov, Č. Koňák, J. Kopeček, L. Starovoytova, M. Špírková, P. Štěpánek, New Polymers on the Basis of Cholesterol Modified Polycations. European Polymer Congress, Graz, Austria, July 12-17, 2009.
406. J. Kopeček, Biorecognition – a Bridge from Smart Biomaterials to Drug-free Macromolecular Therapeutics. 36th Annual Meeting of the Controlled Release Society, Copenhagen, Denmark, July 18-22, 2009.
407. E. Segal, H. Pan, T. Udagawa, P. Kopečková, J. Kopeček, R. Satchi-Fainaro, Targeting Angiogenesis-Dependent Calcified Neoplasms Using Combined Polymer Therapeutics. 36th Annual Meeting of the Controlled Release Society, Copenhagen, Denmark, July 18-22, 2009.
408. J. Kopeček, J. Yang, Peptide-Directed Self-Assembly of Hybrid Biomaterials. 238th American Chemical Society National Meeting, Washington, D.C., August 16-20, 2009
409. L. Radu-Wu, J. Yang, K. Wu, J. Kopeček, Self-Assembled Hydrogels from Poly(HPMA) Grafted with Pendant β -Sheet Peptide Domains. 5th Annual Mountain West Biomedical Engineering Conference, Canyon Resort, Park City, Utah, September 11-12, 2009.
410. J. Kopeček, Smart and Drug-Free Macromolecular Therapeutics. 4th International Pharmaceutics Symposium, Fudan University, Shanghai, China, September 24-26, 2009. Proceedings, p. 2-4.
411. K. Dušek, M. Dušková-Smrčková, J. Kopeček, Gelation and Swelling of Hybrid Hydrogels. 8th International Conference on Advanced Polymers via Macromolecular Engineering, Dresden, Germany, October 4-7, 2009.
412. L. C. Radu-Wu, J. Yang, K. Wu, J. Kopeček, Self-Assembled Hydrogels from Poly(HPMA) with Pendant β -Sheet Peptide Domains. Annual Biomedical Engineering Society Meeting, Pittsburgh, Pennsylvania, October 7-10, 2009.
413. K. Wu, J. Liu, R.N. Johnson, J. Yang, J. Kopeček, Drug-Free Macromolecular Therapeutics: Induction of Apoptosis by Coiled-Coil Mediated Crosslinking of Antigens on Cell Surface. NanoUtah2009, Salt Lake City, Utah, October 15-16, 2009.
414. L. C. Radu-Wu, J. Yang, K. Wu, J. Kopeček, Self-Assembled Hydrogels from Poly(HPMA) with Pendant β -Sheet Peptide Domains. NanoUtah2009, Salt Lake City, Utah, October 15-16, 2009.
415. J. Kopeček, Biorecognition – a Bridge from Smart Biomaterials to Drug-Free Macromolecular Therapeutics. 4th International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 27-28, 2009.
416. J. Kopeček, Drug-Free Macromolecular Therapeutics. University of Southern California AAPS Student Chapter "Moving Targets Symposium", Los Angeles, California, November 7, 2009.

417. K. Wu, J. Liu, R. Johnson, J. Yang, J. Kopeček, Molecular Recognition of Coiled-Coil Motifs on Cell Surface Induces Apoptosis in B Cells. Annual Meeting of the American Association of Pharmaceutical Scientists, Los Angeles, California, November 8-12, 2009. Abstracts.
418. J. Kopeček, P. Kopečková, Biomaterials and Drug Delivery – Past, Present, and Future. Symposium on Biomedical Polymers for Drug Delivery, University of Utah, March 26-27, 2010.
419. J. Yang, H. Pan, J. Kopeček, A Facile and Highly Efficient Approach to the Self-Assembly of HPMA Copolymers Containing Peptide Grafts. Symposium on Biomedical Polymers for Drug Delivery, University of Utah, March 26-27, 2010.
420. J. Liu, H. Pan, P. Kopečková, J. Kopeček, Novel Mitochondria Targeted Treatment for Prostate Cancer. Symposium on Biomedical Polymers for Drug Delivery, University of Utah, March 26-27, 2010.
421. K. Wu, J. Liu, R.N. Johnson, J. Yang, J. Kopeček, Drug-Free Macromolecular Therapeutics: Apoptosis Induced by Crosslinking of Surface Antigens via Biorecognition of Coiled-Coil Motifs on Cell Surface. Symposium on Biomedical Polymers for Drug Delivery, University of Utah, March 26-27, 2010.
422. L.C. Wu, J. Yang, J. Kopeček, Self-Assembled Hybrid Hydrogels as Scaffolds for Bone Tissue Engineering. Symposium on Biomedical Polymers for Drug Delivery, University of Utah, March 26-27, 2010.
423. H. Pan, J. Yang, P. Kopečková, J. Liu, J. Kopeček, Enzymatically Degradable Hydrogels Based on 4-Arm PolyHPMA. Symposium on Biomedical Polymers for Drug Delivery, University of Utah, March 26-27, 2010.
424. K. Luo, J. Yang, H. Pan, J. Kopeček, Synthesis of Heterobifunctional Telechelic PolyHPMA. Symposium on Biomedical Polymers for Drug Delivery, University of Utah, March 26-27, 2010.
425. J. Kopeček, Smart and Drug-Free Macromolecular Therapeutics. The 4th Inha Nano-Clinic Symposium & The 2nd Symposium of Utah-Inha DDS & Advanced Therapeutics Research Center, Inha University, Incheon, Korea, June 18, 2010. Proceedings, pp. 11-12.
426. E. Segal, H. Pan, T. Ugadawa, P. Kopečková, J. Kopeček, R. Satchi-Fainaro, Dual Targeted Nanoconjugates for Angiogenesis-Dependent Calcified Tumors. 37th Annual Meeting of the Controlled Release Society, Portland, Oregon, July 10-14, 2010.
427. J. Kopeček, Macromolecular Anticancer Therapeutics: State-of-the-Art and Future Prospects. Gordon Research Conference on “Drug Carriers in Medicine and Biology”, Waterville Valley Resort, Waterville Valley, NH, August 15-20, 2010.
428. S. Low, H. Pan, S.C. Miller, J. Kopeček, In Vivo Fracture Targeting on a HPMA Construct. 6th Annual Mountain West Biomedical Engineering Conference, Grand Summit Hotel, The Canyons Resort, Park City, Utah, September 10-11, 2010.
429. J. Kopeček, J. Yang, New Generation of Macromolecular Therapeutics Inspired by Coiled-Coil Recognition in Smart Biomaterials. Sino-German Symposium on Bioinspired Systems for Drug, Gene, and Protein Delivery, National Engineering Research Center, Sichuan University, Chengdu, China, September 6-9, 2010.
430. J. Kopeček, J. Yang, Biorecognition – A Bridge from Smart Biomaterials to Drug-Free Macromolecular Therapeutics. Symposium on Innovative Polymers for Controlled Delivery, Suzhou University, Suzhou, China, September 14-17, 2010. Proceedings, p. 28-29.

431. J. Kopeček, Smart and Drug Free Macromolecular Therapeutics. 7th Annual Meeting of the Israeli Chapter of the Controlled Release Society, Dan Carmel Hotel, Haifa, Israel, October 3-4, 2010. Proceedings pp. 13-14.
432. J. Kopeček, New Generation of Macromolecular Therapeutics Inspired by Coiled-Coil Recognition in Smart Biomaterials. 5th International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 26-27, 2010.
433. J. Yang, K. Luo, H. Pan, P. Kopečková, J. Kopeček, Multiblock of HPMA Copolymers: Synthesis, Characterization and Degradation. 5th International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 26-27, 2010.
434. H. Pan, J. Yang, P. Kopečková, J. Kopeček, Synthesis of Biodegradable HPMA Copolymer Conjugates by Combination of RAFT Polymerization and Thiol-Ene Coupling Reaction. 5th International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 26-27, 2010.
435. J. Kopeček, Biorecognition – A Bridge from Smart Biomaterials to Drug-Free Macromolecular Therapeutics. L.S. Skaggs 2010 Biomedical Research Symposium, Scripps Institute of Oceanography, San Diego, California, November 10-12, 2010.
436. J. Kopeček, J. Yang, Peptide-Directed Self-Assembly of Hybrid Hydrogels. Pacifichem 2010, Honolulu, Hawaii, December 15-20, 2010.
437. J. Kopeček, Biorecognition – A Bridge from Smart Biomaterials to Drug-Free Macromolecular Therapeutics. Pacifichem 2010, Honolulu, Hawaii, December 15-20, 2010.
438. J. Kopeček, Drug-Free Macromolecular Therapeutics. 15th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 13-16, 2011.
439. P. Kopečková, J. Liu, M. Sima, J. Kopeček, Synthesis and Evaluation of Targeted HPMA Copolymer-Docetaxel Conjugates for the Treatment of Prostate Cancer. 15th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 13-16, 2011.
440. K. Luo, H. Pan, J. Yang, P. Kopečková, J. Kopeček, Biodegradable Multiblock *N*-(2-Hydroxypropyl)methacrylamide Copolymer-Paclitaxel Conjugates. 15th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 13-16, 2011.
441. Y. Zhou, J. Yang, J. Kopeček, Selective Inhibitory Effect of HPMA Copolymer-Cyclopamine Conjugate on Prostate Cancer Stem Cells. 15th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 13-16, 2011.
442. H. Pan, J. Yang, M. Sima, P. Kopečková, J. Kopeček, Biodegradable HPMA Copolymer Conjugates via Combination of RAFT Polymerization and Thiol-Ene Reaction. 15th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 13-16, 2011.
443. M.T. Jacobsen, J. Yang, J. Kopeček, Thermodynamics of Hybrid Copolymer System Self-Assembly. 15th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 13-16, 2011.
444. J. Kopeček, Biomaterials and Drug Delivery: State-of-the-Art and Future Prospects. Nanomedicine and Drug Delivery Research Conference, Cedars-Sinai Medical Center, Los Angeles, California, March 4-5, 2011.

445. J. Kopeček, P. Kopečková, Smart and Drug-Free Macromolecular Therapeutics. International Conference on Biomaterials Science, Tsukuba, Japan, March 16-18, 2011.
446. J. Kopeček, J. Yang, Self-Assembly of Hybrid Copolymers Grafted with β -Sheet and α -Helix Peptides. Spring 2011 American Chemical Society Meeting, Anaheim, California, March 27-31, 2011.
447. J. Kopeček, P. Kopečková, Drug-Free Macromolecular Therapeutics. 2nd Russian-Hellenic Symposium "Biomaterials and Bionanomaterials: Recent Advances and Safety-Toxicology Issues", Heraklion, Crete, Greece, May 8-12, 2011.
448. J. Kopeček, Smart and Drug-Free Macromolecular Therapeutics. Meeting of the University of Nebraska COBRE Program, Lied Lodge, Nebraska City, Nebraska, June 1, 2011.
449. J. Kopeček, Smart Biomaterials and Drug Delivery Systems. 27th Meeting of the Japan Society of Drug Delivery Systems. Tokyo, June 9-10, 2011. Drug Delivery Systems 26(3), 221 (2011).
450. H. Segal, H. Pan, P. Kopečková, J. Kopeček, R. Satchi-Fainaro, Rational Design of Multifunctional Polymer Therapeutics for Cancer Theranostic. 38th Annual Meeting of the Controlled Release Society, Baltimore, Maryland, July 30-August 3, 2011.
451. J. Kopeček, Smart and Drug-Free Macromolecular Therapeutics. 3rd Annual CRS-Illinois Student Chapter Symposium, University of Illinois at Chicago College of Pharmacy, August 12, 2011.
452. J. Kopeček, Generation of Protein – Polymer Hybrids. Tools of ADMET and Nanotechnology for Improved Drug Discovery and Delivery, 20th Helsinki Drug Research Congress, Helsinki, Finland, September 18-20, 2011.
453. M.T. Jacobsen, J. Yang, J. Kopeček, Thermodynamic Characterization of Coiled-Coil Pharmaceuticals. United States Pharmacopeia Symposium on Biologics and Technology, Seattle, WA, October 3-6, 2011.
454. Y. Zhou, J. Yang, J. Kopeček, Anticancer Effects of HPMA Copolymer – Cycloamine Conjugates Towards Prostate Cancer Stem Cells. 9th International Nanomedicine and Drug Delivery Symposium, Salt Lake City, Utah, October 15-16, 2011. Proceedings, pp. 30-31.
455. Z.H. Peng, P. Kopečková, J. Kopeček, Targeted Theranostics for Diagnosis and Treatment of PSMA-Expressing Prostate Cancer. 9th International Nanomedicine and Drug Delivery Symposium, Salt Lake City, Utah, October 15-16, 2011. Proceedings, pp. 76-77.
456. S. Low, H. Pan, J. Kopeček, Targeting of Bone Anabolic Agents to Long Bone Fractures. 9th International Nanomedicine and Drug Delivery Symposium, Salt Lake City, Utah, October 15-16, 2011. Proceedings, p. 92.
457. H. Pan, M. Sima, J. Yang, S. Low, P. Kopečková, S.C. Miller, J. Kopeček, Synthesis and Biodistribution of Multisegment Bone Targeting HPMA Copolymer Conjugates. 9th International Nanomedicine and Drug Delivery Symposium, Salt Lake City, Utah, October 15-16, 2011. Proceedings, pp. 78-79.
458. J. Kopeček, L.C. Wu, J. Yang, Beta-Sheet Peptide-Mediated Self-Assembly of HPMA Copolymers into Nanostructured Biomaterials. 6th International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 24-25, 2011.
459. J. Kopeček, J. Yang, Coiled-Coil Motifs in the Design of Biomaterials and Nanomedicines. 6th International Symposium on Intelligent Drug Delivery Systems, The Shilla Hotel, Seoul, Korea, March 14-16, 2012.

460. Y. Zhou, J. Yang, J. Kopeček, Selective Inhibitory Effect of HPMA Copolymer – Cyclopamine Conjugate on Prostate Cancer Stem Cells. 11th International Symposium on Biorelated Polymers, Spring 2012 American Chemical Society Meeting, San Diego, California, March 25-29, 2012.
461. T.-W. Chu, J. Yang, J. Kopeček, Multivalent HPMA Copolymer-Fab' Conjugates Targeted to B-Cell Antigen CD20. 2012 AAPS National Biotechnology Conference, San Diego, California, May 21-23, 2012.
462. J. Kopeček, Frontiers of Smart Polymeric Biomaterials: Research and Applications. Xiangshan Science Conference No. 425 on Frontiers of Smart Polymeric Biomaterials and Their Application, The Fragrant Hill Hotel, Beijing, China, May 28-30, 2012.
463. J. Yang, L.C. Wu, J. Kopeček, Beta-Sheet Peptide-Mediated Self-Assembly of HPMA Copolymers into Nanostructured Biomaterials. 9th World Biomaterials Congress, Chengdu, China, June 1-5, 2012.
464. J. Kopeček, J. Yang, Peptide Motifs in the Design of Biomaterials and Nanomedicines. International Workshop on Nanomedicine 2012, Department of Biomedical Engineering, Tsinghua University, Beijing, June 6, 2012.
465. J. Kopeček, P. Kopečková, J. Yang, Smart Biomaterials and Macromolecular Therapeutics. 76th Prague Meeting on Macromolecules, Polymers in Medicine 2012, Institute of Macromolecular Chemistry, Prague, Czech Republic, July 1-5, 2012.
466. J. Kopeček, J. Yang, Design and Biorecognition of Water-Soluble Macromolecular Therapeutics. 39th Annual Meeting of the Controlled Release Society, Québec City, Canada, July 15-18, 2012.
467. J. Yang, H. Pan, K. Luo, P. Kopečková, J. Kopeček, Backbone Degradable HPMA Copolymer-Gemcitabine Conjugates for the Treatment of Ovarian Cancer. 39th Annual Meeting of the Controlled Release Society, Québec City, Canada, July 15-18, 2012.
468. G. Tiram, E. Segal, R. Shreberk, G. Bachar, P. Ofek, L. Edry, N. Shomron, H. Pan, P. Kopečková, J. Kopeček, T. Udagawa, R. Satchi-Fainaro, Uncovering Tumor-Host Molecular and Cellular Interactions Involved in Tumor Dormancy Using Polymer Therapeutics. 39th Annual Meeting of the Controlled Release Society, Québec City, Canada, July 15-18, 2012.
469. J. Kopeček, Drug-Free Macromolecular Therapeutics. The 4th International NanoBio Conference, Seattle, Washington, July 23-26, 2012.
470. R. Zhang, K. Luo, J. Yang, M. Sima, Y. Sun, M.M. Janát-Amsbury, J. Kopeček, Synthesis and Evaluation of a Multiblock Backbone Biodegradable HPMA Copolymer Nanocarrier for Delivery of Paclitaxel. 8th Annual Nanotechnology Conference NanoUtah2012, Salt Lake City, Utah, October 11-12, 2012.
471. Te-Wei Chu, J. Yang, J. Kopeček, Anti-CD20 Multivalent HPMA Copolymer-Fab' Conjugates for the Direct Induction of Apoptosis. 8th Annual Nanotechnology Conference NanoUtah2012, Salt Lake City, Utah, October 11-12, 2012.
472. J. Kopeček, J. Yang, Design and Biorecognition of Macromolecular Therapeutics. 8th International Symposium on Stimuli-Responsive Materials, Santa Rosa, California, October 21-23, 2012.
473. J. Kopeček, Frontiers of Smart Polymeric Biomaterials. Opening Seminar of the Research Program on Programmable Materials, Finish Academy of Sciences, Helsinki, Finland, November 13, 2012.
474. Y. Zhou, J. Yang, J. Kopeček, Selective Inhibitory Effect of HPMA Copolymer-Cyclopamine Conjugate on Prostate Cancer Stem Cells. 9th Globalization of Pharmaceutical Education Meeting, Monash University, Melbourne, Australia, November 28 – December 1, 2012.

475. J. Kopeček, J. Yang, T.-W. Chu, P. Kopečková, R.N. Johnson, K. Wu, Design of Drug-Free Macromolecular Therapeutics. 10th International Drug Delivery Symposium (NanoDDS'12), Atlantic City, New Jersey, December 6-7, 2012. Proceedings, pp. 24-25.
476. J. Kopeček, J. Yang, P. Kopečková, Peptide Motifs in the Design of Biomaterials and Nanomedicines. Innovations in Polymers and (Bio)Materials. A Symposium on the Future of Biomaterials, Hyatt Regency Hotel, Ka'anapali Beach, Maui, Hawaii, December 14-17, 2012.
477. J.M. Hartley, J. Yang, J. Kopeček, Super-Resolution Imaging of CD20 Clusters after Exposure of Raji B Cells to Drug-Free Macromolecular Therapeutics. 16th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 3-6, 2013.
478. R. Zhang, J. Yang, M. Sima, J. Kopeček, Backbone Degradable HPMA Copolymer Paclitaxel and Gemcitabine Conjugates for the Combination Therapy of Ovarian Cancer. 16th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 3-6, 2013.
479. T.-W. Chu, J. Yang, J. Kopeček, Anti-CD20 Multivalent HPMA Copolymer-Fab' Conjugates for the Direct Induction of Apoptosis. 16th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 3-6, 2013.
480. Y. Zhou, J. Yang, J. Kopeček, Differential Effects of HPMA Copolymer-Cycloamine Conjugate and Docetaxel on Prostate Cancer Stem Cells. 16th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 3-6, 2013.
481. Z.H. Peng, M. Sima, P. Kopečková, J. Kopeček, Spacer Length Impacts the Efficacy of Targeted Docetaxel Conjugates in Prostate Cancer Treatment. 16th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 3-6, 2013.
482. J. Kopeček, Design and Biorecognition of Water-Soluble Macromolecular Therapeutics. 2nd Nanomedicine for Imaging and Treatment Conference, Cedars-Sinai Medical Center, Los Angeles, California, March 15-16, 2013.
483. J. Kopeček, J. Yang, Smart Biomaterials and Macromolecular Therapeutics. 2nd International Conference on Biomaterial Science (ICBS2013), Tsukuba, Japan, March 20-22, 2013.
484. J. Kopeček, Frontiers of Biomedical Materials. XIX. General Meeting of the Learned Society (Academy) of the Czech Republic, Prague, Carolinum, May 20, 2013.
485. J. Kopeček, J. Yang, Design and Biorecognition of Water-Soluble Macromolecular Therapeutics. Joint Symposium of the 5th Utah-Inha DDS & Advanced Therapeutic Research Center Symposium and the 7th International Symposium on Intelligent DDS, Sheraton Incheon Hotel, Incheon, Korea, May 23-24, 2013.
486. J. Yang, J. Kopeček, Recent Developments and Preclinical Evaluation of HPMA Copolymer-drug Conjugates as Anticancer Therapeutics. 40th Annual Meeting of the Controlled Release Society, Hawaii Convention Center, Honolulu, Hawaii, July 21-24, 2013.
487. R. Zhang, J. Yang, M. Sima, J. Kopeček, Backbone Degradable HPMA Copolymer Paclitaxel and Gemcitabine Conjugates for the Combination Therapy of Ovarian Cancer. 40th Annual Meeting of the Controlled Release Society, Hawaii Convention Center, Honolulu, Hawaii, July 21-24, 2013.
488. J. Kopeček, J. Yang, Biorecognition Motifs in the Design of Self-Assembling Biomaterials and Nanomedicines. 15th IUPAC International Symposium Macromolecular Complexes (MMC-15) Hyatt Regency Greenville, South Carolina, August 13-16, 2013.

489. J. Kopeček, J. Yang, Rational Design of Macromolecular Therapeutics. 246th American Chemical Society National Meeting, Indianapolis, Indiana, September 8-12, 2013.
490. J. Kopeček, J. Yang, Rational Design and Synthesis of Macromolecular Therapeutics. ACS Workshop "Polymers in Medicine and Biology", Santa Rosa, Sonoma Valley, California, October 9-12, 2013.
491. T.-W. Chu, J. Yang, R. Zhang, M. Sima, J. Kopeček, Oligonucleotide Hybridization Mediated Drug-Free Macromolecular Therapeutics. NanoUtah2013 Conference, Salt Lake City, Utah, October 18, 2013.
492. J. Kopeček, Contribution of O. Wichterle to the Global Polymer Science in General and to Biomedical Polymers in Particular (in Czech). Meeting to Celebrate 100th Anniversary of Professor Wichterle's Birth, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague, October 24, 2013.
493. J. Kopeček, J. Yang, Biodegradable HPMA Copolymers for Systemic Drug Delivery. Third Sino-German Symposium "Nanomaterials for Biomedical Applications", Hangzhou, China, October 28-31, 2013.
494. J. Kopeček, Frontiers of Biomedical Materials. University of Miami, College of Engineering Distinguished Speaker Series, March 3, 2014.
495. J. Kopeček, Hydrogels: From Soft Contact Lenses and Implants to Self-Assembled Nanomaterials. 247th American Chemical Society National Meeting, Dallas, Texas, March 16-20, 2014.
496. J. Yang, J. Kopeček, Progress in HPMA-based Macromolecular Therapeutics. International Advanced Drug Delivery Symposium, National Tsing Hua University, Taiwan, April 29-30, 2014.
497. T.-W. Chu, J. Yang, R. Zhang, M. Sima, J. Kopeček, A Novel Anti-Lymphoma Therapeutic Platform Mediated by Self-Assembly of Hybrid Nanoconjugates. AAPS National Biotechnology Conference, San Diego, California, May 19-21, 2014.
498. T.-W. Chu, J. Yang, R. Zhang, M. Sima, J. Kopeček, Oligonucleotide Hybridization-mediated Drug-free Macromolecular Therapeutics. Globalization of Pharmaceutical Education (GPEN) Conference, University of Helsinki, Finland, August 27-30, 2014.
499. J. Kopeček, T.-W. Chu, R. Zhang, J. Yang, P. Shami, J.M. Hartley, Self-Assembly of Nanoconjugates Triggers Cancer Cell Suicide. 3rd Symposium on Innovative Polymers for Controlled Delivery (SIPCD 2014), Suzhou, China, September 16-19, 2014.
500. J. Yang, R. Zhang, D.C. Radford, J. Kopeček, Design and Synthesis of FRET-Trackable HPMA-Based Biodegradable Conjugates for Drug/Gene Delivery. 3rd Symposium on Innovative Polymers for Controlled Delivery (SIPCD 2014), Suzhou, China, September 16-19, 2014.
501. J. Kopeček, J. Yang, Rational Design of Macromolecular Therapeutics. Chinese Pharmaceutics Conference, Changsha, Hunan Province, China, September 19-22, 2014.
502. D.C. Radford, J. Yang, R. Zhang, J. Kopeček, Quantification of Polymer Backbone Degradation Using Fluorescence Resonance Energy Transfer. NanoUtah 2014 Conference, Grand America Hotel, Salt Lake City, Utah, October 12-15, 2014.
503. J. Kopeček, T.-W. Chu, J. Yang, R. Zhang, P. Shami, Self-Assembly of Nanoconjugates at Cell Surface Induces Apoptosis. 10th International Symposium on Stimuli-Responsive Materials, Santa Rosa, California, October 26-28, 2014.
504. J. Kopeček, J. Yang, Recent Advances in Polymeric Nanomedicines. International Symposium on Translational Nanomedicine, Sun Yat-Sen University, Guangzhou, China, January 8-10, 2015.

505. J. Kopeček, T.-W. Chu, J. Yang, R. Zhang, J. Hartley, Self-Assembly of Nanoconjugates at Cell Surface Triggers Cancer Cell Apoptosis. 3rd Nanomedicine for Imaging and Treatment Conference, Cedar-Sinai Medical Center, Los Angeles, California, March 13-14, 2015.
506. J. Yang, R. Zhang, D.C. Radford, J. Kopeček, FRET-Trackable Biodegradable HPMA Copolymer-Epirubicin Conjugates for Ovarian Carcinoma Therapy – *In Vitro* and *In Vivo* Evaluation. 17th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, June 14-17, 2015.
507. T.-W. Chu, R. Zhang, J. Yang, M.P. Chao, P.J. Shami, J. Kopeček, A Two-Step Pretargeted Nanotherapy for CD20 Crosslinking May Achieve Superior Anti-Lymphoma Efficacy to Rituximab. 17th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, June 14-17, 2015.
508. D.C. Radford, J. Yang, R. Zhang, J. Kopeček, A FRET-Based Strategy to Monitor and Quantitate Biodegradation of Backbone Degradable HPMA Copolymers. 17th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, June 14-17, 2015.
509. J.M. Hartley, TW. Chu, E. Peterson, R. Zhang, J. Harris, J. Yang J. Kopeček, Quantitative Analysis of Lymphoma Membrane Organization after Self-Assembly of Hybrid Nanoconjugates on the Cell Surface. 17th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, June 14-17, 2015.
510. R. Zhang, J. Yang, M. Sima, T.-W. Chu, J.M. Hartley, J. Kopeček, Multimodality Imaging of Coiled-Coil Mediated Self-Assembly in a Drug-Free Therapeutic System. 17th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, June 14-17, 2015.
511. L. Zhang, R. Zhang, J. Yang, J. Kopeček, Dual-Radioisotope HPMA Copolymer-Drug Conjugate for In Vivo Imaging Studies. 17th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, June 14-17, 2015.
512. J.M. Hartley, TW. Chu, E. Peterson, R. Zhang, J. Yang, J. Harris, J. Kopeček, Characterizing the Effects of Hybrid Nanoconjugates on Lymphoma Plasma Membranes Using dSTORM and Pair-Correlation Analysis. 13th International Nanomedicine & Drug Delivery Symposium, Seattle, WA, September 16-18, 2015.
513. Z.-H. Peng, J. Li, Y. Xie, Y. Wang, F. Yu, Y. Chen, J.E. Talmadge, J. Kopeček, D. Oupický, MMP-2-Repsonive Polymeric CXCR4 Antagonist for Inhibiting Breast Cancer Growth and Metastasis. 13th International Nanomedicine & Drug Delivery Symposium, Seattle, WA, September 16-18, 2015.
514. D.C. Radford, J. Yang, R. Zhang, J. Kopeček, A FRET-Based Imaging Strategy to Rapidly Quantify Biodegradation of Degradable Nanomedicines. Biomedical Engineering Society 2015 Annual Meeting, Tampa, Florida, October 7-10, 2015.
515. D.C. Radford, J. Yang, R. Zhang, J. Kopeček, A FRET-Based Imaging Strategy to Rapidly Quantify Biodegradation of Degradable Nanomedicines. Conference NanoUtah2015, University of Utah, Salt Lake City, Utah, October 13, 2015.
516. J. Kopeček, J. Yang, Polymeric Biomaterials and Nanomedicines. 11th International Symposium on Stimuli-Responsive Materials, Santa Rosa, California, October 25-27, 2015.
517. J. Yang, R. Zhang, D.C. Radford, J. Kopeček, FRET-Trackable Biodegradable HPMA Copolymer-Epirubicin Conjugates for Ovarian Carcinoma Therapy. 11th International Symposium on Stimuli-Responsive Materials, Santa Rosa, California, October 25-27, 2015.

518. J. Kopeček, T.-W. Chu, J. Yang, R. Zhang, J.M. Hartley, Drug-Free Macromolecular Therapeutics – A New Paradigm in Polymeric Nanomedicines. Pacifichem 2015, Honolulu, Hawaii, December 15-20, 2015.
519. J. Kopeček, J. Yang, Self-Assembly of Nanoconjugates at the Cell Surface Triggers Apoptosis. 251st American Chemical Society National Meeting, San Diego, California, March 13-17, 2016.
520. J. Yang, T.-W. Chu, J.M. Hartley, R. Zhang, J. Kopeček, Drug-Free Macromolecular Therapeutics – A New Paradigm in Nanomedicines. 10th World Biomaterials Congress, Montreal, Canada, May 17-22, 2016.
521. J. Kopeček, J. Yang, Design of Smart Polymeric Nanomedicines. 14th Annual Nanomedicine and Drug Delivery Symposium, NanoDDS'16, Johns Hopkins University, Baltimore, MD, September 16-18, 2016.
522. J. Yang, L. Zhang, Y. Fang, J. Kopeček, When HPMA-Based Polymer Meets Antibody-Drug Conjugates. 12th International Symposium on Stimuli-Responsive Materials. Santa Rosa, CA, October 23-25, 2016.
523. J. Kopeček, J. Yang, Y. Fang, L. Zhang, J. Wang, L. Li, Crosslinking of Cell Surface Receptors Triggers Apoptosis. 3rd International Conference on Biomaterials Science (ICBS2016), Tokyo, Japan, November 28-30, 2016.
524. J. Yang, L. Zhang, Y. Fang, J. Kopeček, A New Construction of Antibody-Epirubicin Conjugate. 3rd International Conference on Biomaterials Science (ICBS2016), Tokyo, Japan, November 28-30, 2016.
525. L. Zhang, Y. Fang, J. Kopeček, J. Yang, Polymer-Aided Rituximab-Epirubicin Conjugate for Treatment of B-Cell Malignancies. 253rd American Chemical Society National Meeting, San Francisco, California, April 2-6, 2017.
526. L. Lian, J. Yang, J. Kopeček, Drug-Free Macromolecular Therapeutics Induce Apoptosis via Calcium Influx and Mitochondrial Depolarization. 44th Controlled Release Society Annual Meeting, Boston, Massachusetts, July 16-19, 2017.
527. J. Kopeček, J. Yang, L. Li, J. Wang, Y. Fang, L. Zhang, Crosslinking of Cell Receptors Triggers Apoptosis. 5th International Symposium, Smart Biomaterials, Shanghai, China, October 18-20, 2017.
528. D.C. Radford, M. Doan, L. Li, J. Yang, A.S. Dixon, S.C. Owen, J. Kopeček, A Receptor Crosslinking-Mediated Strategy to Enhance Intracellular Delivery of Nanomedicines. Utah Bioengineering Conference, Salt Lake City, December 8, 2017.
529. C. Kodele, L. Li, J. Yang, J. Kopeček, Multivalent Human Serum Albumin – Anti-CD20 Fab' Conjugates for Induction of Apoptosis in Lymphoma Cells. Utah Bioengineering Conference, Salt Lake City, December 8, 2017.
530. J. Kopeček, Design of Smart Macromolecular Therapeutics, Award Lecture, 33rd Annual Meeting of the Academy of Pharmaceutical Science and Technology, Japan, Shizuoka, May 30 – June 1, 2018.
531. J. Kopeček, Frontiers of Biomedical Materials, 13th Frontier Scientists Workshop Organized by Korean Academy of Science and Technology, Salt Lake City, Utah, June 17-19, 2018.
532. J. Kopeček, J. Yang, L. Li, Challenges and Innovation in Next Generation Nanoscience, Nanotech & Nanotechnology EuroSciCon Conference, Paris, France, July 12-13, 2018.
533. J. Kopeček, New Approaches for Treatment of Resistant Lymphomas, Gordon Research Conference Drug Carriers in Medicine and Biology, Mount Snow in West Dover, Vermont, August 12-17, 2018.

534. J. Kopeček, Overview of Drug Delivery That is Applicable to Genetic Vaccines, 1st Consortium Meeting on Clinical Application of LNA-mRNA Vaccine Technology, Japan Agency for Medical Research and Development, Tokyo, Japan, September 7, 2018.
535. L. Li, J. Yang, J. Kopeček, Drug-Free Albumin-Triggered Sensitization of Cancer Cells to Anticancer Drugs. 16th International Nanomedicine & Drug Delivery Symposium, Portland, Oregon, September 21-23, 2018.
536. J. Yang, J. Kopeček, Biorecognition: A Key to Drug-Free Macromolecular Therapeutics. International Symposium on Stimuli-Responsive Materials, Windsor, California, October 21–23, 2018.
537. J. Kopeček, J. Yang, L. Li, J. Wang, Self-Assembly of Macromolecules at Cell Surface Triggers Apoptosis. Functional Polymers for Human Health Meeting, The Hebrew University of Jerusalem, Israel, October 28-30, 2018.
538. J. Wang, L. Li, J. Yang, P.M. Clair, M. Glenn, D.M. Stephens, D.C. Radford, K.M. Kosak, M.W. Deininger, P.J. Shami, J. Kopeček, Drug-free Macromolecular Therapeutics Induce Apoptosis in Cells Isolated from Patients with B Cell Malignancies with Enhanced Apoptosis Induction by Pretreatment with Gemcitabine. 60th American Society of Hematology Annual Meeting, San Diego, California, December 1-4, 2018.
539. D.C. Radford, J. Yang, M. Doan, L. Li, A.S. Dixon, S.C. Owen, J. Kopeček, Multivalent HER2-Binding Polymer Conjugates Facilitate Rapid Endocytosis and Enhance Drug Delivery. 13th Utah Biomedical Engineering Conference (UBEC), Salt Lake City, Utah, December 7, 2018.
540. J. Kopeček, J. Yang, New Approaches for Treatment of Resistant Lymphomas. 4th Symposium on Nanomedicine and MRI Applications, West China Hospital at Sichuan University, Sichuan, China, April 25, 2019.
541. J. Yang, A Novel Combinatorial Chemo-immunotherapy for Breast Cancer. 4th Symposium on Nanomedicine and MRI Applications, West China Hospital at Sichuan University, Sichuan, China, April 25, 2019.
542. J. Kopeček, J. Yang, L. Li, Crosslinking of Receptors as a Design Principle for Smart Nanomedicines. 83rd Prague Meeting on Macromolecules, Polymers in Medicine 2019, Institute of Macromolecular Chemistry, Prague, Czech Republic, June 23-27, 2019.
543. J. Kopeček, J. Yang, L. Li, J. Wang, Biorecognition – a Bridge from Self-Assembled Hydrogels to Drug-Free Macromolecular Therapeutics. 2019 Fall American Chemical Society Meeting, San Diego, California, August 25-29, 2019.
544. J. Yang, J. Kopeček, L. Li, Polymer-Assisted Novel Combinatorial Chemo-Immunotherapy for Cure of Solid Tumors. International Symposium on Stimuli-Responsive Materials, Windsor, California, October 20-22, 2019.
545. J. Kopeček, J. Yang, Combination of Chemo- and Immunotherapy for the Treatment of Experimental Cancers. Pharmaceutical Technology Innovations Meeting, Ritsumeikan University, Kyoto, Japan, November 5, 2019.
546. J. Kopeček, J. Yang, L. Li, Crosslinking of Receptors as a Design Principle for Smart Nanomedicines. International Conference on Colloid and Surface Science “Okinawa Colloids 2019”, The Busena Terrace, Okinawa, Japan, November 3-8, 2019.

547. J. Wang, L. Li, J. Yang, P. Clair, M. Glenn, D.M. Stephens, D.C. Radford, K.M. Kosak, M.W. Deininger, P.J. Shami, J. Kopeček, Drug-Free Macromolecular Therapeutics Induce Apoptosis in Cells Isolated from Clinical Patients with B Cell Malignancies with Enhanced Apoptosis Induction by Pretreatment with Gemcitabine. International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020.
548. J. Wang, Y. Li, L. Li, J. Yang, J. Kopeček, Exploration and Evaluation of Therapeutic Efficacy of Drug-Free Macromolecular Therapeutics in Collagen-Induced Rheumatoid Arthritis Mouse Model. International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020.
549. L. Li, J. Wang, J. Yang, J. Kopeček, Cell-Surface Crosslinking of CD20 Antigens to Treat Non-Hodgkin's Lymphoma. International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020.
550. L. Li, Y. Li, D.C. Radford, J. Wang, J. Kopeček, J. Yang, Polymer-Enhanced Combination of Immunogenic Chemotherapy and PD-L1 Degradation. International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020.
551. D.C. Radford, J. Yang, M.C. Doan, L. Li, A.S. Dixon, S.C. Owen, J. Kopeček, Hyper-Crosslinking HER2 Receptors with Multivalent HPMA Copolymer-Based Nanoconjugate Overcomes Endocytosis Resistance and Enhances Cytotoxicity. International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020.
552. J. Kopeček, My First Sixty Years in Science. International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020.
553. J. Wang, Y. Li, L. Li, J. Yang, J. Kopeček, Exploration and Evaluation of Therapeutic Efficacy of Drug-free Macromolecular Therapeutics in Collagen-induced Rheumatoid Arthritis Mouse Model. Annual Virtual Meeting of the Controlled Release Society, June 29-July 2, 2020.
554. D.C. Radford, J. Yang, M.C. Doan, L. Li, A.S. Dixon, S.C. Owen, J. Kopeček, Hyper-Crosslinking HER2 Receptors with Multivalent HPMA Copolymer-Based Nanoconjugate Overcomes Endocytosis Resistance and Enhances Intracellular Drug Delivery. Annual Virtual Meeting of the Controlled Release Society, June 29-July 2, 2020.
555. J. Kopeček, J. Yang, L. Li, J. Wang, D.C. Radford, M. Gambles, Crosslinking of Receptors as a Design Principle for Smart Nanomedicines. 2nd Biomedical Engineering & Instrumentation Summit (BEIS-2021), April 19-21, 2021 Virtual (Boston, MA).
556. M.T. Gambles, J. Wang, J. Li, D. Sborov, J. Yang, J. Kopeček, Crosslinking of CD38 Receptors Triggers Apoptosis of Malignant B Cells. Annual Virtual Meeting of the Controlled Release Society, July 25-29, 2021.
557. J. Kopeček, J. Yang, M.T. Gambles, J. Li, D.C. Radford, Smart Nanomedicines Based on Receptor Crosslinking. 18th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-24, 2022.
558. M.T. Gambles, J. Li, D.C. Radford, D. Sborov, P. Shami, J. Yang, J. Kopeček, Heteroreceptor Crosslinking Induces a Synergetic Therapeutic Response in Malignant B Cells. 18th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-24, 2022.
559. J. Yang, M.T. Gambles, J. Li, D.C. Radford, D. Sborov, P. Shami, J. Kopeček, A New Platform Technology of Antibody-Polymer-Drug Conjugates with Potential Treatment of Hematologic Malignancies and Solid Tumors. 18th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-24, 2022.

560. J. Li, C.-H. Yang, D.C. Radford, M.T. Gambles, S. Hu-Lieskovan, A. Welm, B. Welm, C.M. Peterson, J. Kopeček, J. Yang, Optimized Immunotherapy for Cancer Treatment: Polymer-Enhanced Combination of Immunogenic Chemotherapy and PD-L1 Degradation. 18th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-24, 2022.
561. M.T. Gambles, J. Li, D. Sborov, P. Shami, J. Yang, J. Kopeček, Simultaneous Crosslinking of CD20 and CD38 by Drug-Free Macromolecular Therapeutics Enhances B Cell Apoptosis In Vitro and In Vivo. Annual Meeting of the Controlled Release Society, Montreal, Canada, July 11-15, 2022.
562. M.T. Gambles, Y. Harraq, J. Yang, J. Kopeček, Obinutuzimab-Based Drug-Free Macromolecular Therapeutics Synergizes with DNA Synthesis Inhibitors. Undergraduate Research Conference, University of Utah, Salt Lake City, August 5, 2022.
563. A.D. Jensen, J. Yang, M.B. Monson, T.W. Blake, S. Minoshima, J. Kopeček, D.J. Cross, Treatment of Alzheimer's Disease Using Microtubule Stabilizing Drugs, Imaging Elevated Conference, Department of Radiology and Imaging Science, University of Utah, Salt Lake City, Utah, September 30 – October 1, 2022.
564. J. Arnold, J. Li, J. Yang, J. Kopeček, Multivalent DR5 Receptor Clustering Agonists for Treatment of Colon Cancer. Utah Conference on Undergraduate Research, University of Utah, February 17, 2023.
565. S. Li, A. Jensen, M. Monson, M.T. Gambles, J. Wang, R. Aljassimi, S. Minoshima, J. Kopeček, D.J. Cross, J. Yang, Targeted Paclitaxel Conjugate for the Treatment of Alzheimer Disease. Annual Meeting of the Controlled Release Society, Las Vegas, NV, July 24-28, 2023.
566. M.T. Gambles, J. Li, S. Li, J. Yang, J. Kopeček, Artificial T Cell Activation Strategy Incorporating Receptor Crosslinking. Annual Meeting of the Controlled Release Society, Las Vegas, NV, July 24-28, 2023.
567. J. Li, J. Arnold, M. Sima, M. Abbasi, J. Kopeček, J. Yang, Multivalent DR5 Receptor Clustering Agonists for Treatment of Colon Cancer. Annual Meeting of the Controlled Release Society, Las Vegas, NV, July 24-28, 2023.
568. J. Yang, J. Li, M.T. Gambles, D. Sborov, J. Kopeček, Development of Next Generation Antibody-Polymer-Drug Conjugates. Annual Meeting of the Controlled Release Society, Las Vegas, NV, July 24-28, 2023.
569. H.A. Faruque, J. Li, M. Cina, A. Young, S. Hu-Lieskovan, J. Kopeček, J. Yang, Nanomedicine Strategies for Heating Cold Tumors with Concurrent PD-L1 Attenuation. Annual Meeting of the Controlled Release Society, Las Vegas, NV, July 24-28, 2023.
570. D.J. Cross, S. Li, A. Jensen, M. Monson, M.T. Gambles, J. Wang, R. Aljassimi, S. Minoshima, J. Kopeček, J. Yang, Biodegradable Paclitaxel Conjugate for Alzheimer's Disease Treatment. Society for Neuroscience 2023 Meeting, Washington, D.C., November 11-15, 2023.
571. J. Yang, J. Kopeček, Polymer-Enhanced Chemo/Immuno Combinatory Therapy of Breast Cancer. 9th World Congress on Breast Cancer, San Diego, CA, November 6-7, 2023.
572. J. Li, M.T. Gambles, S. Li, J. Kopeček, D. Sborov, J. Yang, Development of Next Generation Antibody-Polymer-Drug Conjugates for Treatment of Multiple Myeloma. 65th ASH Annual Meeting and Exposition, San Diego, CA, December 9-12, 2023.
573. I. Kendell, J. Kopeček, Immunomodulation Improves Cancer Cell Clearance by T Cells During Multi-Antigen T Cell Hybridizer Therapy. University of Utah Undergraduate Research Symposium, April 9, 2024.

574. J. Kopeček, M.T. Gambles, S. Li, I. Kendell, J. Li, J. Yang, Drug-Free Macromolecular Therapeutics: Multi-Antigen T Cell Hybridizers. Annual Meeting of the Controlled Release Society, Bologna, Italy, July 8-12, 2024.
575. V.A. Ljubimov, T. Sun, J. Yang, J. Wang, L. Li, A.V. Ljubimov, E. Holler, J. Kopeček, J.Y. Ljubimova, K.L. Black, Artificial Intelligence for Effective Treatment Selection Using Biodegradable Poly[(N-2-Hydroxypropyl)methacrylamide] Based Nanodrugs for Blood Brain Barrier Delivery and Immunotherapy of Brain Primary Central Nervous System Lymphoma. Annual Meeting of the Controlled Release Society, Bologna, Italy, July 8-12, 2024.
576. J. Yang, J. Kopeček, Anticipating a New Wave of HPMA-Based Polymer-Drug Conjugates – Recent Progress and Perspectives in Cancer Therapy. Annual Meeting of the Controlled Release Society, Bologna, Italy, July 8-12, 2024.
577. J. Kopeček, HPMA Copolymers: Origins, Early Development, Present, and Future. Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague, July 30, 2024.
578. I. Kendell, M.T. Gambles, J. Yang, J. Kopeček, Immunomodulation Improves Cancer Cell Clearance During Multi-Antigen T Cell Hybridizer Therapy. Annual Meeting of the American Association of Pharmaceutical Scientists (PharmSci 360), Salt Lake City, UT, October 20-23, 2024.
579. S. Li, M.T. Gambles, D. Sborov, J. Yang, J. Kopeček, Novel Personalized Treatment for Multiple Myeloma: Multi-Antigen T Cell Hybridizers for T Cell Activation. Annual Meeting of the American Association of Pharmaceutical Scientists (PharmSci 360), Salt Lake City, UT, October 20-23, 2024. **Best Poster Award.**
580. J. Li, J. Arnold, M. Sima, J. Kopeček, J. Yang, Combination of Multivalent DR5 Receptor Clustering Agonists and Histone Deacetylase Inhibitors for Treatment of Colon Cancer. Annual Meeting of the American Association of Pharmaceutical Scientists (PharmSci 360), Salt Lake City, UT, October 20-23, 2024.
581. H. Al Faruque, J. Li, D. Sborov, S. Hu-Lieskovan, J. Kopeček, J. Yang, Optimizing Immunotherapy of Ovarian Cancer - Nanomedicine Strategies for Heating 'Cold' Tumor with Concurrent PD-L1 Attenuation. Annual Meeting of the American Association of Pharmaceutical Scientists (PharmSci 360), Salt Lake City, UT, October 20-23, 2024. **Best Abstract Award.**
582. J. Li, H. Al Faruque, S. Hu-Lieskovan, J. Kopeček, J. Yang, Boosting Checkpoint Immunotherapy with 2nd Generation HPMA Polymer Conjugates with Synchronous PD-L1 Attenuation. Annual Meeting of the American Association of Pharmaceutical Scientists (PharmSci 360), Salt Lake City, UT, October 20-23, 2024.
583. J. Li, S. Li, M.T. Gambles, J. Kopeček, D.W. Sborov, J. Yang, Development of A New Modality with Strong Cancer Immunotherapeutic Effect (CITE) for Multiple Myeloma Treatment. Annual Meeting of the American Association of Pharmaceutical Scientists (PharmSci 360), Salt Lake City, UT, October 20-23, 2024. **Best Poster Award.**
584. S. Li, R. Aljassimi, J. Kopeček, D.J. Cross, J. Yang, Repurposing Paclitaxel via Vector-guided Brain Delivery for Alzheimer Disease Treatment. Annual Meeting of the American Association of Pharmaceutical Scientists (PharmSci 360), Salt Lake City, UT, October 20-23, 2024. **Best Abstract Award.**
585. J. Kopeček, Drug-Free Macromolecular Therapeutics. 3rd Czech Annual Cancer Research Meeting, Olomouc, Czech Republic, November 18-20, 2024.
586. J. Yang, J. Kopeček, Anticipating a New Wave of HPMA-Based Polymer-Drug Conjugates – Recent Progress and Perspectives in Cancer Therapy. 19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.

587. S. Li, J. Li, H. Al Faruque, D. Sborov, J. Yang, J. Kopeček, Unveiling the Mechanism of Multi-Antigen T Cell Hybridizers (MATCH) in T Cell-Redirected Therapy. 19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.
588. I. Kendell, J. Yang, J. Kopeček, Tumor Burden Mediates T Cell Exhaustion During Multi-Antigen T Cell Hybridizer Therapy. 19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.
589. J. Yang, J. Kopeček, Anticipating A New-wave of HPMA-based Polymer-drug Conjugates Recent Progress and Perspectives in Cancer Therapy. 19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.
590. Y. Yang, S. Li, J. Li, J. Kopeček, P. Shami, J. Yang, Targeting Acute Myeloid Leukemia with a 2-in-1 Antibody Drug Conjugate. 19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.
591. J. Li, E. Welsh, L. Schlickmann, J. Kopeček, J. Yang, Dual-Function Immunomodulation in Cancer Treatment: Combining CD47 Blockade with Paclitaxel-based Chemotherapy. 19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.
592. J. Li, E. Welsh, L. Schlickmann, J. Kopeček, J. Yang, Enhancing Ovarian Cancer Therapy with CD47-Targeted Antibody-Polymer-Drug Conjugates. 19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.
593. S. Li, H. Al Faruque, D. Sborov, J. Yang, J. Kopeček, Self-Assembling Multi-Antigen T Cell Hybridizers for Precision Immunotherapy in Multiple Myeloma. Annual Meeting of the Controlled Release Society, Philadelphia, PA, July 14-18, 2025.
594. J. Li, E. Welsh, J. Kopeček, J. Yang, CD47-Targeted Antibody Polymer-Drug Conjugates: Immune Checkpoint Blockade and Targeted Cytotoxicity. Annual Meeting of the Controlled Release Society, Philadelphia, PA, July 14-18, 2025.
595. J. Kopeček, J. Yang, From Self-Assembled Hydrogels to Multi-Antigen T Cell Hybridizers. 9th International Symposium on Polymer Chemistry (PC2025), Changchun, China, October 17-21, 2025.
596. J. Yang, J. Kopeček, Antibody-Polymer-Drug Conjugates for Treatment of Hematologic Malignancies and Solid Tumors. 9th International Symposium on Polymer Chemistry (PC2025), Changchun, China, October 17-21, 2025.
597. S. Li, D. Sborov, B. Knoechel, J. Lohr, P. Shami, J. Yang, J. Kopeček, Immune Cell Tumor Engagers (SITE) via Morpholino-Guided Self-Assembly for Precision Immunotherapy of Multiple Myeloma. Annual American Society of Hematology Meeting, December 6-9, 2025, Orlando, FL.

PLENARY/KEYNOTE/INVITED LECTURES (from 1993)

1993

2nd Conference on Frontiers of Polymers and Advanced Materials, Jakarta, Indonesia, January 10-15, 1993
American Chemical Society Meeting, Denver, CO, April 1, 1993
20th International Symposium on Controlled Delivery of Bioactive Materials, Washington. D.C., July 25-28, 1993
American Chemical Society Fall 93 Meeting, Chicago, IL, August 23-26, 1993
NATO Advanced Study Institute, Cape Sounion Beach, Greece (**2 lectures**), June 24–July 5, 1993
Monte Verita Conference on Biocompatible Material Systems, Ascona, Switzerland, October 11-14, 1993
Medtronic, March 23, 1993
Attrix Laboratories

1994

American Chemical Society Spring Meeting 1994, San Diego, CA, March 13-17, 1994
3rd European Symposium on Controlled Drug Delivery, Noorwijk aan Zee, The Netherlands, April 6-8, 1994
7th International Symposium on Polymer Analysis and Characterization, Les Diablerets, Switzerland, May 23-25, 1994
21st International Symposium on Controlled Release of Bioactive Materials, Workshop on Oral Drug Delivery
Nice, France, June 25-29, 1994
35th IUPAC International Symposium on Macromolecules, Akron, OH, July 11-15, 1994
Peking University, Department of Chemistry, Beijing, China, October 13, 1994
National Institute for Family Planning, Beijing, China, October 14, 1994
Wuhan International Symposium on Biomaterials and Fine Polymers, Wuhan, China, October 18-22, 1994
International Symposium on Fiber Science and Technology, Yokohama, October 26-28, 1994
5th International Polymer Conference, Osaka, Japan, November 28 - December 2, 1994
Kyoto Institute of Technology, Kyoto, Japan, December 3, 1994

1995

21st Annual Meeting of the Society of Biomaterials (Basic Science Award Lecture), San Francisco, CA, March 18-22, 1995
5th Iketani Conference, Kagoshima, Japan, April 18-22, 1995
2nd International Workshop on Supramolecular Chemistry in Biology and Medicine, Kyoto, Japan, April 24-25, 1995
11th International Symposium on Affinity Chromatography and Biological Recognition, San Antonio, TX, May 25-31, 1995
69th Colloid & Surface Science Symposium, Salt Lake City, Utah, June 11-14, 1995
36th Prague Microsymposium on High-Swelling Gels, Prague, Czech Republic, July 10-14, 1995
1st Spanish-Portuguese International Symposium on Controlled Drug Delivery, Santiago de Compostella, Spain, September 25-27, 1995
Johns Hopkins University, Baltimore, Maryland

4th Pacific Polymer Conference, Koloa, Kauai, Hawaii, December 12-16, 1995

1996

University of Marburg (German CRS Local Chapter meeting), Germany, April 26, 1996

Gore, Medical Division, Flagstaff, AZ, June 13, 1996

University of Tel Aviv (Israel CRS Local Chapter meeting), Israel, June 20, 1996

Huntsman Cancer Institute, Utah, June 26, 1996

23rd International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 7-10, 1996

36th IUPAC International Symposium on Macromolecules, Seoul, Korea, August 4-9, 1996

Sam Yang Co., Taejon, Korea, August 12, 1996

CRS Conference on Advances in Controlled Delivery, Baltimore, MD, August 19-20, 1996

ACS Course on Bioconjugate Chemistry, Orlando, FL, August 23-24, 1996

3rd Jerusalem Conference on Pharmaceutical Sciences, Jerusalem, Israel, September 1-6, 1996

University of Michigan, College of Pharmacy, October 16, 1996

Japan - US Seminar on Macromolecular Architecture and Engineering, Sendai, Japan, October 27-31, 1996

3M, St. Paul, MN, November 22, 1996

1997

Amgen, Thousand Oaks, California, April 10, 1997

ACS Course on Bioconjugate Chemistry, San Francisco, CA, April 11, 1997

2nd International Symposium on Polymer Therapeutics, Kumamoto, Japan, April 18-20, 1997

3M, St. Paul, MN, April 28, 1997

Emisphere, Cedar Knolls, NJ, May 12, 1997

24th International Symposium on Controlled Release of Bioactive Materials, Stockholm, Sweden, June 15-19, 1997

University of California San Francisco, College of Pharmacy, May 30, 1997

50th Meeting of the Czech Chemical Society, Zlín, Czech Republic, September 8-10, 1997

Institute of Petrochemical Synthesis, Russian Academy of Sciences, Moscow, Russia, September 30, 1997

Topical Conference on Biomaterials, Carriers for Drug Delivery and Scaffolds for Tissue Engineering, The American Institute of Chemical Engineers, Los Angeles, CA, November 17-19, 1997

1998

Enzon, Inc., Piscataway, New Jersey, February 23, 1998

First Annual AAPS-SRDG Meeting on Advances in Pharmaceutical Sciences, The University of Mississippi, Oxford, Mississippi, May 28-29, 1998

3rd International Biorelated Polymer Symposium on Polymeric Drugs and Drug Delivery Systems, American Chemical Society Fall 1998 Meeting, Boston, MA, August 23-27, 1998

University Ghent, Ghent, Belgium, September 25, 1998

Graduate Course for Swiss Pharmaceuticals Students, Zermatt, Switzerland, **2 lectures**, September 28-October 2, 1998

Ohio State University, College of Pharmacy, Columbus, Ohio, October 30, 1998

1999

Brigham Young University, Department of Chemistry, January 19, 1999

University of Washington, Center for Nanotechnology April 13, 1999

University of Tokyo, Department of Material Science and Engineering June 8, 1999

Sankyo Co., DDS Group, Tokyo, Japan June 8, 1999

Forum for Pharmaceutical Technology Innovation, Tokyo, Japan, June 10, 1999

Tokyo Women's Medical University, Institute of Biomedical Engineering, Tokyo, Japan, June 11, 1999

Tokyo Institute of Technology, Tokyo, Japan, June 15, 1999

26th Int. Symposium on Controlled Release of Bioactive Materials, Boston, June 20-23, 1999

World Congress of Pharmaceutics and Pharmaceutical Sciences, Barcelona, September 5-9, 1999

Biosurf III/Annual Meeting of the Swiss Biomaterials Society, Zurich, October 7-8, 1999

GelTex, Boston, Massachusetts, November 12, 1999

2000

University Paris-North, Villetaneuse, France, March 15, 2000

Gordon Research Conference "Drug Carriers in Medicine and Biology", Ventura, CA, February 20-23, 2000

Sixth European Symposium on Controlled Drug Delivery, Noordwijk aan Zee, The Netherlands, April 12-14, 2000,

Millennial World Congress of Pharmaceutical Sciences, San Francisco, California, April 16-20, 2000

Graduate Course for Danish Pharmaceutics Students (4 lectures), Copenhagen Denmark, May 9-11, 2000

World Polymer Congress IUPAC MACRO 2000, Warsaw, Poland, July 9-14, 2000

International Symposium on Biomaterials and Drug Delivery Systems, Shilla Cheju Hotel, Cheju Island, Korea, August 20-22, 2000

Light Sciences, Seattle, WA, September 8, 2000

International Symposium on Tumor Targeted Delivery Systems, National Cancer Institute, National Institutes of Health, Bethesda, MD, September 25-27, 2000

2001

International Symposium "New Trends in Polymers for Oral and Parenteral Administration", APGI/GTRV/ EUFEPS Paris, March 12-13, 2001

Graduate course for Danish Pharmaceutics Students (4 lectures), Copenhagen Denmark, May 2001

4th International Meeting on the Frontiers in Biomedical Polymers, Williamsburg, Virginia, May 16-19, 2001

28th International Symposium on Controlled Release of Bioactive Materials, San Diego, California, June 24-27, 2001

American Association of Colleges of Pharmacy Meeting, Toronto, Canada, July 7-10, 2001

Gordon Research Conference, Polymers (East), Colby Sawyer College, New Hampshire, July 8-13, 2001

16th Ann. Meeting of the American Association of Pharmaceutical Scientists, Denver, CO, October 21-25, 2001

Access Pharmaceuticals, Dallas, Texas, December 11, 2001

2002

University of Maryland, Baltimore, March 21, 2002

University of Alabama at Huntsville, March 22, 2002

Cancer Institute of the University of California in San Diego, June 3, 2002

International Conference in Advances in Biomaterials for Reconstructive Medicine, in Capri, Italy, June 10-14, 2002

World Polymer Congress IUPAC MACRO 2002, Beijing, China, July 7-12, 2002

29th International Symposium on Controlled Release of Bioactive Materials, Seoul, Korea, July 21-25, 2002

11th International Pharmaceutical Technology Symposium "Intelligent Drug Delivery Systems", Istanbul, Turkey, September 9-11, 2002

American Chemical Society Conference "Future Directions in Drug Delivery Technologies", Boston, Massachusetts, October 13-16, 2002

Symposium on Gels, Genes, Grafts, and Giants, Maui, Hawaii, December 16-20, 2002

2003

5th International Symposium on Innovations in Pharmaceutical Technology, Mumbai, India, February 2003
(2 invited lectures)

Enzon Pharmaceuticals, Piscataway, NJ, March 27, 2003

37th Gatefossé Meeting on Challenge in Drug Delivery for the New Millennium, Saint Remy de Provence, France, June 12-14, 2003

6th World Congress on Inflammation, Vancouver, B.C., Canada, August 2-6, 2003

24th Annual Congress of the Academy of Pharmaceutical Sciences, Durban, South Africa, September 7-10, 2003 (2 invited lectures)

1st EUFEPS Conference on Optimizing Drug Delivery and Formulation: New Challenges in Drug Delivery, Versailles, France, September 29 – October 1, 2003

2004

6th International Symposium on Polymer Therapeutics: From Laboratory to Clinical Practice Welsh School of Pharmacy, Cardiff University, United Kingdom, January 7-9, 2004

University of Illinois, Chicago, Department of Pharmaceutical Sciences, February 4, 2004

Sarcoma Symposium, Huntsman Cancer Institute, University of Utah, February 6, 2004

Workshop on Advances in Pharmaceutical Technology, Mahidol University, Bangkok, Thailand, February 23-24, 2004

Chiang-Mai University, College of Pharmacy, Thailand, February 26, 2004

Texas A&M University, Department of Chemistry, April 15, 2004

University of California Los Angeles, Department of Pharmacology, May 5, 2004

Globalization of Pharmaceutical Education Meeting, Kyoto, Japan, May 26-28, 2004

Meeting to Celebrate 50 years of Polymer Science and Education in China, Peking University, Beijing, China, May 28 – June 1, 2004

Delivery and Biomedical Applications Workshop, Controlled Release Society, Honolulu, HI, June 12, 2004

MACRO 2004 – 40th IUPAC World Polymer Congress, Paris, France, July 4-9, 2004
Joint Meeting of the Pharmaceutical Societies of Germany, Austria, and the Czech Republic, Regensburg, Germany, October 6-9, 2004 (Plenary lecture)
University of Utrecht, College of Pharmacy, Utrecht, The Netherlands, October 11, 2004
University of Pennsylvania, Institute for Medicine and Engineering, November 2, 2004

2005

Tulane University, Department of Chemical Engineering, April 8, 2005
Johns Hopkins University, Department of Materials Science and Engineering, April 13, 2005
Huntsman Cancer Institute, University of Utah, April 27, 2005
College of Pharmacy, University of Brno, Czech Republic, May 17, 2005
Gordon Conference, “Chemistry of Supramolecules and Assemblies”, Colby College, Waterville, ME, June 12-17, 2005
44th Microsymposium on Macromolecules “Polymer Gels and Networks”, Institute of Macromolecular Chemistry, Prague, Czech Republic, July 10-14, 2005
3rd International Nanomedicine and Drug Delivery Symposium, University of Maryland, Baltimore, MD, September 26-27, 2005
2005 Annual Meeting of the American Association of Pharmaceutical Scientists, Nashville, Tennessee, November 6-10, 2005
Pacific Polymer Federation 9 (PPF9) Meeting, Maui, Hawaii, December 6-10, 2005

2006

Cedars-Sinai Medical Center, Los Angeles, CA, January 16, 2006
University of Helsinki, Finland, Graduate Course “Nanotechnology in Drug Research and Development” (**2 invited lectures**), February 6-7, 2006
40th Annual Scientific Meeting of the European Society for Clinical Investigation, Prague, March 15-18, 2006
Duke University, Department of Bioengineering, April 6, 2006
3rd Conference on Foundation of Nanoscience (FNANO06): Self-Assembled Architectures and Devices, Snowbird, Utah, April 23-27, 2006
University of Kansas, College of Pharmacy, April 25, 2006
University of Toronto, College of Pharmacy, May 5, 2006
University of Wisconsin, College of Pharmacy (**2 Busse Lectures**), May 18-19, 2006
25th Annual Meeting of the Canadian Biomaterials Society, Calgary, Alberta, May 26-28, 2006
Georgia Institute of Technology, Department of Materials Science and Engineering, September 26, 2006
University of Delaware, Department of Chemistry, October 4, 2006
Brooklyn Polytechnic University, New York, NY, Distinguished Morawetz Lecture, October 27, 2006
28th Annual Meeting of Japanese Society for Biomaterials, Tokyo, Japan, November 27-28, 2006

Setsunan University, College of Pharmacy, Osaka, November 28, 2006
Sankyo Co., Tokyo, November 29, 2006
Tokyo Women's Medical University, November 30, 2006
Drug Delivery and Translational Research Symposium, Polytechnic University, Brooklyn, NY,
December 4-5, 2006
Biomaterials from 2D to 3D to "Larger than Life" Symposium, Sheraton, Maui, December 14-17, 2006

2007

International Symposium on Polymer Therapeutics ISPT-07, Berlin, Germany, February 19-21, 2007
University of Wyoming, Department of Chemical Engineering, Laramie, WY, March 30, 2007
Wayne University, College of Pharmacy, Detroit, MI, April 4, 2007
University of North Carolina, College of Pharmacy, Chapel Hill, NC, April 11, 2007
GlaxoSmithKline, Research Triangle Park, NC, April 12, 2007
Pharmaceutical Sciences World Congress, Amsterdam, The Netherlands, April 22-25, 2007
5th International Workshop on Drug Delivery Systems, Třešt', Czech Republic, May 15-18, 2007
10th International Symposium on Pharmaceutical Sciences, Montreal, Quebec, Canada, May 30
– June 2, 2007
British Pharmaceutical Conference, Manchester, UK, September 10-12, 2007
Tsinghua University, Department of Chemical Engineering, Beijing, China, October 15, 2007
West China School of Pharmacy, Sichuan University, Chengdu, China, October 17, 2007
National Engineering Research Center for Biomaterials, Chengdu, China, October 18, 2007
2nd International Symposium on Stimuli-Responsive Materials, The University of Southern
Mississippi, Hattiesburg, MS, October 30 – November 1, 2007

2008

American Chemical Society 235th National Meeting, New Orleans, LA, April 6-10, 2008
International Advanced Drug Delivery Symposium, Tsinghua University, Taiwan, April 27 – May
2, 2008
Enzon Pharmaceuticals, Piscataway, NJ, May 12, 2008
2nd LTS Academy Meeting "Unmet Needs in Parenteral Drug Delivery", West Caldwell, NJ, May
15-16, 2008
International Workshop on Biomacromolecules, Royal Institute of Technology, Stockholm,
Sweden, June 1-4, 2008
International Materials Research Conference IMRC 2008, Chongqing, China, June 9-12, 2008
Symposium on Cellular Delivery of Therapeutic Macromolecules, Cardiff University, UK, June
23-25, 2008
Enzon, Piscataway, NJ, September 17, 2008
Utan Nano 2008, October 17, 2008
3th International Symposium on Stimuli-Responsive Materials, The University of Southern
Mississippi, Hattiesburg, MS, October 28-29, 2008
Department of Obstetrics and Gynecology Grand Rounds, November 19, 2008

University of Geneva, School of Pharmacy, Geneva, Switzerland, December 7, 2008

2009

University of Illinois at Urbana-Champaign, March 4, 2009

Tokyo Women's Medical University, Tokyo, Japan, May 18, 2009

8th International Symposium on Frontiers in Biomedical Polymers, Mishima, Japan, May 20-23, 2009

Inaugural CIMA lecture, University of Minnesota, May 29, 2009

Nanomaterials and Nanotechnologies in Living Systems, Zarya Center near Moscow, Russia,
June 29-July 4, 2009

34th FEBS Congress, Prague, Czech Republic, July 4-9, 2009

36th Annual Meeting of the Controlled Release Society, Copenhagen, Denmark, July 18-22,
2009

238th American Chemical Society National Meeting, Washington, D.C., August 16-20, 2009

4th International Pharmaceutics Symposium, Shanghai, China, September 24-26, 2009

4th International Symposium on Stimuli-Responsive Materials, The University of Southern
Mississippi, Hattiesburg, MS, October 27-28, 2009

Moving Targets Symposium, Los Angeles, California, November 7, 2009

2010

Symposium on Biomedical Polymers for Drug Delivery, Salt Lake City, Utah, March 26-27, 2010

Seoul National University, Seoul, Korea, June 16, 2010

Hanyang University, Seoul, Korea, June 16, 2010

Korea Advanced Institute of Science and Technology, Daejeon, Korea, June 17, 2010

The 4th Inha Nano-Clinic Symposium. Inha University, Incheon, Korea, June 18, 2010

Gordon Research Conference on Drug Carriers in Medicine and Biology, Waterville Valley, NH,
August 15-20, 2010

Symposium on Bioinspired Systems for Drug, Gene, and Protein Delivery, Chengdu, China,
September 6-9, 2010

Zhejiang University, Hangzhou, China, September 13, 2010

Symposium on Innovative Polymers for Controlled Delivery, Suzhou University, Suzhou, China,
September 14-17, 2010

7th Annual Meeting of the Israeli Chapter of the Controlled Release Society, Haifa, Israel,
October 3-4, 2010 (Opening Keynote)

Ben Gurion University, Beer-Sheva, Israel, October 6, 2010

5th International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi,
Hattiesburg, MS, October 26-27, 2010

L.S. Skaggs 2010 Biomedical Research Symposium, San Diego, California, November 10-12, 2010

National Cancer Institute, Frederick, Maryland, November 18, 2011

Pacificchem 2010, Honolulu, Hawaii, December 15-20, 2010 (**2 invited lectures**)

2011

15th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 13-16, 2011

Nanomedicine and Drug Delivery Research Conference, Cedars-Sinai Medical Center, Los Angeles, California, March 4-5, 2011

Spring 2011 American Chemical Society Meeting, Anaheim, California, March 27-31, 2011

Department of Bioengineering, Clemson University, April 5, 2011

2nd Russian-Hellenic Symposium "Biomaterials and Bionanomaterials: Recent Advances and Safety-Toxicology Issues", Heraklion, Crete, Greece, May 8-12, 2011

College of Pharmacy, University of Tennessee, Memphis, TN, May 23, 2011

Meeting of the University of Nebraska COBRE Program, Lied Lodge, Nebraska City, Nebraska, June 1, 2011

27th Meeting of the Japan Society of Drug Delivery Systems. Tokyo, June 9-10, 2011

NittoDenko, Oceanside, CA, June 22, 2011

Student Chapter of the Controlled Release Society, University of Illinois, Chicago, August 12, 2011

Advanced Technologies and Regenerative Medicine (ATRM), Sommerville, NJ, August 25, 2011

NittoDenko, Oceanside, CA, September 13, 2011

20th Helsinki Drug Research Congress, Helsinki, Finland, September 18-20, 2011

6th International Symposium on Stimuli-Responsive Materials, The University of Southern Mississippi, Hattiesburg, MS, October 23-26, 2011

2012

6th International Symposium on Intelligent Drug Delivery Systems, The Shilla Hotel, Seoul, Korea, March 14-16, 2012

Xiangshan Science Conference No. 425 on Frontiers of Smart Polymeric Biomaterials and Their Application, The Fragrant Hill Hotel, Beijing, China, May 28-30, 2012 (**Opening Plenary**)

Nankai University, Tianjian, China, May 31, 2012

International Workshop on Nanomedicine 2012, Department of Biomedical Engineering, Tsinghua University, Beijing, June 6, 2012

76th Prague Meeting on Macromolecules, Polymers in Medicine 2012, Institute of Macromolecular Chemistry, Prague, Czech Republic, July 1-5, 2012 (**Honorary Chair of Symposium + Invited Speaker**)

39th Annual Meeting of the Controlled Release Society, Québec City, Canada, July 15-18, 2012

The 4th International NanoBio Conference, Seattle, Washington, July 23-26, 2012

Case Western University, Department of Bioengineering, September 13

8th International Symposium on Stimuli-Responsive Materials, Santa Rosa, California, October 21-23, 2012 (**Opening Plenary**)

University of Helsinki, College of Pharmacy, November 11, 2012

Workshop of the Research Program on Programmable Materials, Finish Academy of Sciences, Helsinki, Finland, November 13, 2012 (**Opening Keynote**)

Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, November 15, 2012

10th International Drug Delivery Symposium (NanoDDS'12), Atlantic City, New Jersey,

December 6-7, 2012 (**Opening Plenary**)

Innovations in Polymers and (bio)Materials. A Symposium on the Future of Biomaterials, Hyatt Regency Hotel, Ka'anapali Beach, Maui, Hawaii, December 14-17, 2012

2013

2nd Nanomedicine for Imaging and Treatment Conference, Cedars-Sinai Medical Center, Los Angeles, March 15-16, 2013

2nd International Conference on Biomaterial Science (ICBS2013), Tsukuba, Japan, March 20-22, 2013

XIX. General Meeting of the Learned Society (Academy) of the Czech Republic, Prague, Carolinum, May 20, 2013

Joint Symposium of the 5th Utah-Inha DDS & Advanced Therapeutic Research Center Symposium and the 7th International Symposium on Intelligent DDS, Sheraton Incheon Hotel, Incheon, Korea, May 23-24, 2013

15th IUPAC International Symposium Macromolecular Complexes (MMC-15) Hyatt Regency Greenville, South Carolina, August 13-16, 2013

246th American Chemical Society National Meeting, Indianapolis, Indiana, September 8-12, 2013

ACS Workshop "Polymers in Medicine and Biology", Santa Rosa, Sonoma Valley, California, October 9-12, 2013

Meeting to Celebrate 100th Anniversary of Professor Wichterle's Birth, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague, October 24, 2013

Third Sino-German Symposium "Nanomaterials for Biomedical Applications", Hangzhou, China, October 28-31, 2013

2014

University of Miami, College of Engineering Distinguished Speaker Series, March 3, 2014

247th American Chemical Society National Meeting, Dallas, Texas, March 16-20, 2014

Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Prague, May 29, 2014

East China Normal University, Shanghai, September 15, 2014

3rd Symposium on Innovative Polymers for Controlled Delivery (SIPCD 2014), Suzhou, China, September 16-19, 2014

Chinese Pharmaceuticals Conference, Changsha, China, September 19-22, 2014

Peking University, Department of Polymer Science, Beijing, China, September 23, 2014

10th International Symposium on Stimuli-Responsive Materials, Santa Rosa, California, October 26-28, 2014

2015

International Symposium on Translational Medicine, Sun Yat-Sen University, Guangzhou, China, January 8-10, 2016

3rd Nanomedicine for Imaging and Treatment Conference, Cedar-Sinai Medical Center, Los Angeles, CA, March 13-14, 2015

11th International Symposium on Stimuli-Responsive Materials, Santa Rosa, California, October 25-27, 2015

Department of Biomedical Engineering, Columbia University, New York, November 6, 2015

Department of Chemical and Biological Engineering, Iowa State University, Ames, Iowa, November 19, 2015

Pacificchem 2015, Honolulu, Hawaii, December 15-20, 2015

2016

251st American Chemical Society National Meeting, San Diego, California, March 13-17, 2016

14th Annual Nanomedicine and Drug Delivery Symposium, NanoDDS'16, Johns Hopkins University, Baltimore, MD, September 16-18, 2016

3rd International Conference on Biomaterials Science, Tokyo, Japan, November 28-30, 2016

Setsunan University, Department of Pharmaceutical Sciences, Osaka, Japan, December 2, 2016

2017

Snowbird Meeting of Kopeček Lab Alumni, February 17, 2017

Hainan Medical University, Haikou, Hainan, China May 18, 2017

3rd Symposium on Nanomedicine & MRI Applications, West China Hospital, Chengdu, Sichuan, China, May 23, 2017

China Pharmaceutical University, Nanjing, China, May 26, 2017

5th International Symposium on Smart Biomaterials, University of Shanghai, China, October 18-20, 2017.

Polymer Therapeutics for Cancer Treatment, Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, November 7, 2017.

2018

Translational Genomics Research Institute (TGen), Phoenix, AZ, March 2, 2018

Harvard University Topics in Bioengineering Seminar Series, April 3, 2018

TechConnect World Innovation Symposium, Anaheim, California, May 13-16, 2018

Daichi-Sankyo Co., Tokyo, Japan, May 28, 2018

Tokyo Institute of Technology, Tokyo, Japan, May 29, 2018

Astellas Pharma, Yaizu City, Japan, May 30, 2018

Award Lecture, Meeting of the Japanese Academy of Science and Technology, Shizuoka Coty, Japan, June 1, 2018

University of Tokushima, Japan, June 4, 2018

Kyushu University, Fukuoka, Japan, June 6, 2018

Workshop "Future Trends in Biomaterials" hosted by the Korean Academy of Science and Technology, Salt Lake City, UT, June 17-19, 2018

Nanotech & Nanobiotechnology Conference, Paris, France, July 12-13, 2018

Gordon Research Conference "Drug Carriers in Medicine and Biology", Mount Snow, VT, August 12-17, 2018

1st Consortium Meeting on Clinical Application of LNA-mRNA Vaccine Technology, Japan Agency for Medical Research and Development, Tokyo, Japan, September 7, 2018

Functional Polymers for Human Health Meeting, The Hebrew University of Jerusalem, Israel, October 28-30, 2018

2019

University of Southern California, Los Angeles, CA, January 25, 2019

West China Hospital, Sichuan University, Chengdu, China, April 25, 2019

West China College of Pharmacy, Sichuan University, Chengdu, China, April 30, 2019

83rd Prague Meeting on Macromolecules, Polymers in Medicine 2019, Institute of Macromolecular Chemistry, Prague, Czech Republic, June 23-27, 2019

2019 Fall American Chemical Society Meeting, San Diego, California, August 25-29, 2019.

Pharmaceutical Technology Innovations Meeting, Ritsumeikan University, Kyoto, Japan, November 5, 2019.

International Conference on Colloid and Surface Science "Okinawa Colloids 2019", The Busena Terrace, Okinawa, Japan, November 3-8, 2019.

2020

International Symposium on Biomedical Materials for Drug/Gene Delivery, Salt Lake City, Utah, February 7-8, 2020

2021

2nd Biomedical Engineering & Instrumentation Summit (BEIS-2021), April 19-21, 2021, Virtual (Boston, MA).

2022

18th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, Utah, February 22-24, 2022.

2024

Annual Meeting of the Controlled Release Society, Bologna, Italy, July 8-12, 2024.

Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, July 30, 2024.

3rd Czech Annual Cancer Research Meeting, Olomouc, Czech Republic, November 18-20, 2024.

2025

19th International Symposium on Recent Advances in Drug Delivery Systems (RADDs 2025), Salt Lake City, UT, February 25-28, 2025.

Annual Meeting of the Controlled Release Society, Philadelphia, PA, July 14-18, 2025.

9th International Symposium on Polymer Chemistry (PC2025), Changchun, China, October 17-21, 2025.

December 2025