

Who Should Attend?

Academics and Inter-disciplinarians in drug delivery and related areas of inquiry, Pharmaceutical Researchers, Physicians, Clinicians, Professors, Students

Drug Delivery and Translational Research

DECEMBER 4-5, 2006 • POLYTECHNIC UNIVERSITY • BROOKLYN, NY

Center for Drug Delivery Research at Poly-SUNY/Downstate

Dr. Alfred Stracher,
Director

Dr. Stavroula Sofou,
Associate Director

CDDR Advisory Council

Hamid Ghandehari,
University of Maryland

Alexander Kabanov,
*University of Nebraska
Medical Center*

Jindrich Kopecek,
University of Utah

Robert Langer,
*Massachusetts Institute of
Technology*

Vladimir Torchilin,
Northeastern University

The program will take a multi-disciplinary approach with sessions in mechanisms for new systems of drug delivery and targeting, case studies in translational research and commercial research.

Cancer

- Liposomes
- Polymers for cancer
- Radioimmunotherapy
- Gene delivery
- Immunopharmacology

Brain/Neurologic Imaging

- Brain drug delivery
- Delivery of proteins and genes
- Targeted therapy of brain tumors

Cardio

- Drug eluting stents
- Novel in vivo targeting approaches for diagnosis and therapy
- Imaging

CALL FOR POSTERS

Poster submissions are invited for the two-day poster session for young scientists and students in topic areas related to the conference agenda.

Submit abstracts online at <http://www.InformaLearning.com/delivery> and click on "Call for Posters".
**Poster Submission Deadline:
October 30, 2006**

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Dr. Theresa M. Allen, Professor, Department of Pharmacology; Adjunct Professor, Department of Oncology, Faculty of Medicine & Dentistry, University of Alberta

Dr. Juan J. Badimon, Professor of Medicine, Director, Cardiovascular Biology Research Lab, Mount Sinai School of Medicine

Dr. Martin Bluth, Director of Research, Assistant Professor of Surgery and Pathology, SUNY Downstate Medical Center

Dr. Ban-An Khaw, George D. Behrakis Professor of Pharmaceutical Sciences, Director, Center for Cardiovascular Targeting, Northeastern University

Dr. Hamid Ghandehari, Associate Professor and Director, Center for Nanomedicine and Cellular Delivery, Department of Pharmaceutical Sciences, University of Maryland

Dr. Zahi A. Fayad, Professor, Departments of Radiology And Medicine (Cardiology), Director, Center for Translational And Molecular Imaging, Director, Eva and Morris Feld Imaging Science laboratories, Director, Cardiovascular Imaging Research, Mount Sinai School of Medicine

Dr. Edward A. Fisher, Leon H. Charney Professor of Cardiovascular Medicine, Professor of Cell Biology, Director, Marc and Ruti Bell Vascular Biology Program and the NYU Lipid Treatment and Research Center, New York University School of Medicine

Dr. Henry S. Friedman, Co-Director, Neuro-Oncology Program, Duke University Medical Center

Dr. Alexander Kabanov, Parke-Davis Professor of Pharmaceutical Sciences, Professor of Genetics, Cell Biology and Anatomy and Professor, Eppley Institute for Research in Cancer, Director, Center for Drug Delivery and Nanomedicine, College of Pharmacy, University of Nebraska Medical Center

Dr. Jindrich Kopecek, Distinguished Professor of Bioengineering, Distinguished Professor of Pharmaceutics and Pharmaceutical Chemistry, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah

Dr. Bozena Michniak-Kohn, Associate Professor of Pharmacy, Rutgers University

Dr. Kalle Levon, Professor, Department of Chemical and Biological Sciences, Polytechnic University

Dr. Robert K. Prud'homme, Professor, Department of Chemical Engineering, Director, Program in Engineering Biology, Princeton University

Dr. David Putnam, Assistant Professor, Department of Biomedical Engineering & Chemical and Biomolecular Engineering, Cornell University

Dr. Edward V. Quadros, Associate Professor of Medicine and Biochemistry, SUNY, Downstate Medical Center

Dr. David Scheinberg, Vincent Astor Chair, Chairman, Molecular Pharmacology and Chemistry, Experimental Therapeutics Center, Leukemia Service, Memorial Sloan Kettering Cancer Center

Dr. Peter Senter, Vice President, Seattle Genetics

Dr. George Sgouros, Associate Professor, Director of Radiopharmaceutical Dosimetry Section, Division of Nuclear Medicine, Johns Hopkins University, School of Medicine

Dr. Ronald L. Smith, Executive Director of Exploratory Biopharmaceutics & Stability, Bristol Myers Squibb Pharmaceutical Research Institute

Dr. Stavroula Sofou, Assistant Professor, Department of Chemical and Biological Engineering, Polytechnic University, Associate Director, Center for Drug Delivery Research, Poly-SUNY/Downstate

Dr. Alfred Stracher, Distinguished Professor, Department of Biochemistry, SUNY Downstate Medical Center, Director, Center for Drug Delivery Research, Poly-SUNY/Downstate

Dr. Philip E. Thorpe, Professor of Pharmacology, Serena S. Simmons Distinguished Chair in Cancer Immunopharmacology, University of Texas Southwestern Medical Center

Dr. Vladimir P. Torchilin, Distinguished Professor of Pharmaceutical Sciences, Chair, Northeastern University

Monday, December 4

8:00am Conference Registration

8:45am **Welcome & Opening Remarks**
Alfred Stracher
SUNY Downstate Medical Center
Jerry Hultin, President
Polytechnic University

9:00am **Ronald L. Smith**
Bristol Myers Squibb Pharmaceutical Research Institute
Integrating Drug Delivery Enablement Technology into Early Pharmaceutical Development

CANCER I

9:30am **Theresa M. Allen**
University of Alberta
Passive and Active Targeting of Nano-Liposomal Drugs: What Factors Lead to Success?

10:00am **Vladimir P. Torchilin**
Northeastern University
Targeting Brain Tumors

10:30am **Robert Prud'homme**
Princeton University
Drug Nanoparticle Formation by Flash NanoPrecipitation Using Block Copolymer Directed Self-Assembly

11:00am Break

CANCER II

11:30am **David A. Scheinberg**
Memorial Sloan Kettering Cancer Center
Targeted Alpha Particle Therapy of Cancer

12:00pm **George Sgouros**
Johns Hopkins University, School of Medicine
Mathematical Models to Assess Novel Targeted Radiotherapies of Cancer

12:30pm **Peter Senter**
Vice President, Seattle Genetics
Potent Immunoconjugates for Cancer Therapy

1:00pm Lunch and Poster Viewing

CANCER III

2:30pm **Hamid Ghandehari**
University of Maryland
Engineering Polymers for Targeted Delivery to Solid Tumors

3:00pm **Jindrich (Henry) Kopecek**
University of Utah
Polymeric Nanomedicines for Cancer Therapy: From Concept to Clinic

3:30pm **Alexander V. Kabanov**
University of Nebraska Medical Center
Polymer Systems for CNS Drug Delivery

4:00pm Break

4:30pm Poster Viewing, Discussion & Reception

Conference Agenda Day Two and Further Details

Tuesday, December 5

8:00am Registration

CANCER IV

9:00am **David Putnam**
Cornell University
Gene Delivery

9:30am **Edward Quadros**
SUNY, Downstate Medical Center
Targeting Vitamin B12 / Folate Pathways in Cancer Therapy

10:00am **Stravoula Sofou**
Polytechnic University, CDDR
Environmentally-Responsive Liposomes as Drug Carriers for Targeted Cancer Therapy

10:30am Break

CARDIO

11:00am **Juan Jose Badimon**
Mount Sinai School of Medicine
Local Delivery in Cardiovascular Disease: Rationale and Possibilities

11:30am **Ban-An Khaw**
Northeastern University
Targeted Drug Delivery in Cardiovascular Injury: Molecular imaging of Low Abundance Targets in Atherosclerotic Lesion

12:00pm **Zahi A. Fayad**
Mount Sinai School of Medicine
Assessment of the Vulnerable Artherosclerotic Plaque: Current Imaging Strategies and Molecular Image Probes

12:30 **Edward A. Fisher**
New York University School of Medicine
Zahi A. Fayad
Mount Sinai School of Medicine
High Density Lipoproteins (HDL): Harnessing Natural Nanoparticles to Deliver Magnetic Resonance Imaging Agents to Atherosclerotic Plaques

1:00pm Lunch and Poster Viewing

DRUG DELIVERY

2:00pm **Bozena Michniak-Kohn**
Rutgers University
Targeted Delivery to the Skin: Challenges & Solutions

2:30pm **Martin Bluth**
SUNY Downstate Medical Center
The Anti-inflammatory Effects of Sophorolipids

3:00pm **Kalle Levon**
Polytechnic University
Nanogel Particles and Gel-stabilized Multifunctional Liposomes for Targeted Delivery

3:30pm Break

BRAIN

4:00pm **Henry S. Friedman**
Duke University Medical Center
The Therapeutic Advantages of Intratumoral Drug Delivery in the Treatment of Neoplastic Meningitis and Intracranial Malignancies

4:30pm **Philip E. Thorpe**
University of Texas Southwestern Medical Center
Cancer Immunopharmacology: Antibodies to Phosphatidylserine for Targeting Tumor Blood Vessels and Oncogenic Viruses

5:00pm **Alfred Stracher**
SUNY Downstate Medical Center
Calpain Inhibitors as "Magic Bullets" for the Treatment of Neuromuscular and Neurodegenerative Diseases

5:30pm Closing Remarks

Sponsorship and Exhibition Opportunities

This conference is a must attend event for anyone concerned with drug delivery and translational research. There are several opportunities available for sponsorship and exhibiting. Select from educational, networking or branding packages that suit your marketing needs.

For further details please contact:

Jana Johnsen
Phone: 508-614-1672;
or Email: jana.johnsen@informausa.com

Venue Information

Polytechnic University
6 MetroTech Center, Brooklyn, NY 11201
Website: <http://www.poly.edu/cddr>
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Hotel Information

Please visit our website for a variety of hotels in close proximity to Polytechnic University.
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SPECIAL NEEDS: If you have a handicap or have special needs, please let us know in order that we may address your special needs for your attendance at this conference.

CONFERENCE REGISTRATION

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