

## 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](mailto:jana.johnsen@informausa.com)

## Venue Information

Polytechnic University  
6 MetroTech Center, Brooklyn, NY 11201  
Website: <http://www.poly.edu/cddr>  
Phone: 718-260-3600  
Fax: 718-260-3136  
E-mail: [inquiry@poly.edu](mailto:inquiry@poly.edu)

## Hotel Information

Please visit our website for a variety of hotels in close proximity to Polytechnic University.  
<http://www.informalearning.com/delivery>

**REGISTRATION SUBSTITUTIONS/CANCELLATIONS:** In order to receive a prompt refund, your notice of cancellation must be received in writing (by letter or fax) 10 working days before the conference. We regret cancellations will not be accepted after that date. However, we will be pleased to transfer your registration to another member of your company at any time. If you plan to send someone in your place, please notify us as soon as possible so that materials can be prepared. All cancellations will be subject to a \$100 processing fee. If Informa Learning cancels an event, Informa Learning is not responsible for any airfare, hotel or other costs incurred by registrants. Speakers are subject to change without notice.

**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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 Mail: Informa Learning, One Research Drive,  
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