

Targeted Therapeutics and Translational Nanomedicine 2013 SYMPOSIUM

Tuesday, November 12, 2013

Perelman School of Medicine

University of Pennsylvania

Smilow Center for Translational Research Lobby & Auditorium

3400 Civic Center Blvd., Philadelphia, PA 19104

8:15-8:45 a.m.	Registration and Breakfast (All posters to be set up by 9:00am)	SCTR Lobby
8:45 a.m.-9:00 a.m.	Welcome & Introduction Vladimir Muzykantov, MD, PhD , Professor of Pharmacology and Medicine, Vice-Chair Department of Pharmacology, Director, Center for Targeted Therapeutics and Translational Nanomedicine, University of Pennsylvania	SCTR Auditorium
Session I:	Keynote Lecture Session Chair: Vladimir Muzykantov, M.D., Ph.D.	SCTR Auditorium
9:00-10:00 a.m.	Keynote: Pieter Cullis, Ph.D., FRSC Professor, Department of Biochemistry, Director, Nanomedicine Research Group, University of British Columbia <i>"Nanomedicines: The Next Generation of Therapeutics"</i>	
SESSION II:	Targeting Nanocarriers Session Chair: David Eckmann, Ph.D. Professor of Anesthesiology, University of Pennsylvania	SCTR Auditorium
10:00-10:30 a.m.	Andrew Tsourkas, Ph.D. , Associate Professor of Bioengineering, University of Pennsylvania <i>"Engineering targeted nanoparticles for molecular imaging and therapeutic applications"</i>	
10:30-11:00 a.m.	Ravi Radhakrishnan, Ph.D. Associate Professor of Biochemistry and Biophysics, University of Pennsylvania <i>"Computational Models in Bioengineering for Optimizing Carrier Affinity in Targeted Drug Delivery"</i>	
11:00-11:30 a.m.	Russell Composto, Ph.D. Professor of Material Sciences and Engineering, SEAS, University of Pennsylvania <i>"Dextran nanogels as a drug delivery platform for antibacterial and targeted delivery applications"</i>	
11:30-12:00 p.m.	Efrosini Kokkoli, Ph.D. , Professor, Shell Land Grant Chair, Department of Chemical Engineering and Material Sciences, University of Minnesota <i>"Design of Peptide- and Aptamer-Amphiphiles for Receptor-Targeted Therapeutics"</i>	

12:00-12:45 p.m.

Lunch & Poster Session

SCTR Lobby

Session III:

Industrial-academic continuum in drug delivery and nanomedicine: translational, research and career opportunities and challenges

Session Chair: Dennis Discher, Ph.D., Professor of Chemical & Biomolecular Engineering, University of Pennsylvania

12:45-1:00pm

Anand Subramony, Ph.D., Principal Fellow & Head, Novel Delivery Technologies & Therapeutics, Novartis
“Nanoparticle based drug targeting to tissues-Trick or Treat”

SCTR Auditorium

1:00-2:00pm

Marian Gindy, Ph.D., Director, Pharmaceutical Sciences, RNA Therapeutics, Merck Research Labs; **Julia Rashba-Step**, Senior Director, Novel Delivery Technologies, Biotherapeutics Pharmaceutical Sciences, Pfizer; **Steven Jacobs, Ph.D.**, Associate Scientific Director, Janssen Research and Development; **Robert C. Getts, Ph.D.**, Vice President, R&D & Chief Science Officer, Genisphere; **Anand Subramony, Ph.D.**, Principal Fellow & Head, Novel Delivery Technologies & Therapeutics, Novartis

SESSION IV:

Carrier design from affinity moieties to multimolecular assemblies.

Session Chair: Michael Chorny, Ph.D., Assistant Professor of Pediatrics, Children’s Hospital of Philadelphia

2:00-2:30 p.m.

Tatiana K. Bronich, Ph.D. Parke-Davis Professor of Pharmaceutical Sciences, Director, Nebraska Center for Nanomedicine, University of Nebraska Medical Center
“Ionic nanogels for targeted drug delivery in cancer”

2:30-3:00 p.m.

Don Siegel, M.D., Ph.D. Professor of Pathology and Laboratory Medicine, University of Pennsylvania
“Phage display approaches for devising new translational affinity moieties for drug targeting”

3:00-3:30 p.m.

Marc Ilies, Ph.D. Assistant Professor of Pharmaceutical Sciences, Temple University
“Interfacial engineering of pyridinium amphiphiles in self- assembled gene delivery system”

3:30-4:00 p.m.

William Zamboni, PharmD, Ph.D. Associate Professor, Director, Translational Oncology and Nanoparticle Drug Development Initiative Lab, University of North Carolina at Chapel Hill
“Profiling the Interaction between Nanoparticle and Carrier-Mediated Agents and the Mononuclear Phagocyte System in Blood, Tumors and Tissues”

Session V:

Keynote Lecture

Session Chair: Theresa Busch, Ph.D., Associate Professor of Radiation Oncology, University of Pennsylvania

4:00-5:00 p.m.

Keynote: David D. McPherson, M.D., FACP, FACC, FAHA The James T. and Nancy B. Willerson Chair, Professor and Chairman, Department of Internal Medicine, Director, Division of Cardiology, Medical Director, Heart and Vascular Institute, Executive Director, Center for Clinical and Translational Sciences, University of Texas, Medical School at Houston
“New Concepts for Improved Imaging and Therapeutic Delivery in Cardiovascular Diseases and Stroke”

5:00 5:15 p.m.

Poster Award Presentation

5:15-6:15 p.m.

Reception

SCTR Lobby