

Targeted Therapeutics and Translational Nanomedicine 2012 SYMPOSIUM

Tuesday, November 27, 2012

Perelman School of Medicine

University of Pennsylvania

Smilow Center for Translational Research Lobby & Auditorium

3400 Civic Center Blvd., Philadelphia, PA 19104

8:15-9:00 a.m.	Registration and Breakfast (All posters to be set up by 9:00am)	SCTR Lobby
9:00am-9:15 a.m.	Welcome Garret A. FitzGerald, MD , Chair, Department of Pharmacology, Director, Institute for Translational Medicine and Therapeutics, University of Pennsylvania	SCTR Auditorium
	Introduction Vladimir Muzykantov, MD, PhD , Professor of Pharmacology and Medicine, Vice-Chair Dept. of Pharmacology, Director Center for Targeted Therapeutics and Translational Nanomedicine, University of Pennsylvania	
<u>SESSION I:</u>	<u>Targeted delivery of drugs and probes</u> Session Chair: Robert Levy, Ph.D., Professor of Pediatrics, Children's Hospital of Philadelphia	
9:15-10:15 a.m.	Keynote: Philip Low, Ph.D. Ralph C. Corley Distinguished Professor, Department of Chemistry, Purdue University <i>"Ligand-Targeted therapeutics and imaging agents"</i>	
10:15-10:45 a.m.	Millicent O. Sullivan, Ph.D. , Assistant Professor Dept. of Chemical and Biomolecular Engineering, University of Delaware <i>"Mechanisms of intracellular trafficking and nuclear DNA delivery by histone-derived peptides"</i>	
10:45-11:15 a.m.	David Eckmann, Ph.D., M.D. , Horatio C. Wood Professor of Anesthesiology and Critical Care, Professor of Bioengineering, University of Pennsylvania <i>Hemodynamics and Nanocarrier Design Factors Influencing Endothelial Targeting</i>	
11:15-11:35 a.m.	Colin Greineder, M.D. , Instructor, Dept. of Emergency Medicine, Ph.D. Candidate, Dept. of Pharmacology, University of Pennsylvania <i>"Enhancing Endogenous Mechanisms of Endothelial Protection by Targeted Delivery of Thrombomodulin and EPCR"</i>	

11:35-11:55 a.m.	Ann-Marie Chacko, Ph.D. , Research Associate, Clinical Molecular Imaging and Nuclear Medicine, Department of Radiology, University of Pennsylvania <i>“Immunotargeted Probes for PET Imaging of Ovarian Cancer”</i>	
12:00-2:00 p.m.	Lunch & Poster Session <i>(All posters must be removed by 1:45pm)</i>	SCTR Lobby
1:00-1:45 p.m.	<u>NIH vision and support of research in CT3N areas</u> Moderator: Dennis Discher, Ph.D., Robert D. Bent Professor of Chemical Engineering, University of Pennsylvania Denis Buxton, Ph.D. , Associate Director, Basic and Early Translational Research Program Division of Cardiovascular Sciences, NHLBI; Dorothy Farrell, Ph.D. Nanotechnology Development Projects Manager, NCI [Audio: Steven Zullo, Ph.D. , Program Director, Drug and Gene Delivery and Devices, DDST, NIBIB]	SCTR Auditorium
<u>SESSION II:</u>	<u>Translational Nanomedicine</u> Session Chair: Andrew Tsourkas, Ph.D., Associate Professor of Bioengineering, University of Pennsylvania	
2:00-2:30 p.m.	Karyn O’Neil, Ph.D. , Sr. Director and Scientific Leader, Janssen R&D <i>A Novel Protein Scaffold for Biotherapeutics</i>	
2:30-3:00 p.m.	David Cormode, DPhil , Assistant Professor of Radiology, University of Pennsylvania <i>“Inorganic nanoparticles as contrast agents and therapeutic delivery agents in cardiovascular disease”</i>	
3:00-3:30 p.m.	Michael Chorny, Ph.D. , Research Assistant Professor of Pediatrics, The Division of Cardiology, The Children’s Hospital of Philadelphia, <i>“Magnetic Nanoparticles for targeted vascular delivery”</i>	
3:30-4:00 p.m.	Ho-Lun Wong, Ph.D., B.Pharm , Assistant Professor, Dept. of Pharmaceutical Sciences, Temple University <i>“Nanocarriers for siRNA biotherapeutics”</i>	
4:00-4:20 p.m.	Nisha Sosale, Ph.D. Candidate, Dept. of Chemical and Biomolecular Engineering, University of Pennsylvania <i>Lentiviral Vectors Nano-Engineered with ‘Marker of Self’ CD47 to Avoid Immune Surveillance</i>	

4:30-5:30 p.m.

Keynote: Jennifer L. West, Ph.D. Fitzpatrick Family
University Professor of Engineering, Duke University
*Translation of new targeted nanodevices from
bench to the bedside*

5:30-6:30 p.m.

Reception

TRC Lobby