Targeted Therapeutics and Translational Nanomedicine
2014 SYMPOSIUM

Wednesday, November 12, 2014
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  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: Andrew Tsourkas, Ph.D. Associate Professor of Bioengineering

9:00-10:00 a.m.  Keynote: Patrick Stayton, PhD, Washington Research Foundation Professor, Director, Molecular Engineering & Sciences Institute, University of Washington
"Intracellular Delivery of Biologic Drugs"

SESSION II:  Drug delivery for treatment of vascular and metabolic diseases
Session Chair: David Eckmann, Ph.D. Professor of Anesthesiology, University of Pennsylvania  SCTR Auditorium

10:00-10:30 a.m.  Debra Auguste, Ph.D., Associate Professor of Biomedical Engineering, City College of New York
"Targeting nanocarriers to vascular endothelium"

10:30-11:00 a.m.  PD Dr. Hans Bäumler, Associate Professor, Head of the Research Department, Institute of Transfusion Medicine, Charité – University Medicine Berlin
"Targeted drug delivery by natural or artificial nano- and microsized carriers"

11:00-11:30 a.m.  Andrei Maiseyev, PhD Assistant Professor of Medicine, University of Maryland, School of Medicine
"Eat-Me" Imaging of Macrophages in Cardiovascular Disease

11:30-12:00 p.m.  David Thompson, PhD, Professor, Organic Chemistry Purdue University
"Niemann-Pick Type C Disease Therapy Strategy: Supramolecular Materials Designed to Remediate a Cholesterol Metabolism Disorder"
12:00-1:00 p.m. Lunch  SCTR Lobby

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

1:00-2:00pm  
**Keynote: Karen Wooley, PhD**, W.T. Doherty-Welch Chair in Chemistry University Distinguished Professor, Texas A&M University, Director, Laboratory of Synthetic-Biologic Interactions  
“*Therapeutic Polymer Nanoparticles Designed for Treatment of Pulmonary and Urinary Tract Diseases*” All Panel Participants  
SCTR Auditorium

SESSION IV:  
**New carriers and cancer**  
Session Chair: Michael Chorny, Ph.D., Assistant Professor of Pediatrics, Children’s Hospital of Philadelphia

2:00-2:30 p.m.  
**Michelle Bradbury, MD, PhD**, Department of Radiology, Memorial Sloan Kettering Cancer Center, Associate Professor of Radiology, Weill Medical College of Cornell University  
“*Translational targeted oncological agents*”

2:30-3:00 p.m.  
**Tamara Minko, PhD**, Professor and Chair, Department of Pharmaceutics, Ernest Mario School of Pharmacy  
“*Nanotechnology Approaches for Personalized Treatment of Cancer*”

3:00-3:30 p.m.  
**Julie A. Champion, PhD**, Assistant Professor, School of Chemical & Biomolecular Engineering, Georgia Institute of Technology  
“*Therapeutic Nanomaterials made from Proteins*”

3:30-4:00 p.m.  
**Robert Getts PhD**, Vice President, Research and Development, Genisphere  
“*Novel 3D-DNA material platform for cellular drug delivery*”

Session V:  
**Panel “Matching materials with biology”**  
Session Chair: Dennis Discher, Ph.D., Professor of Chemical & Bimolecular Engineering, University of Pennsylvania

4:00-5:00 p.m.  
All Panel Participants

5:00-6:00 p.m. Reception  SCTR Lobby