

Friday (September 22, 2017)			
7:00 AM	8:00 AM	Registration and Breakfast	BSRB – ABC room
8:00 AM	8:10 AM	Introductory Remarks	BSRB – Kahn Auditorium
8:15 AM	12:00 PM	SESSION I	BSRB – Kahn Auditorium
8:15 AM	9:00 AM	Keynote Speaker: Molly Stevens	Bio-responsive hybrid materials for regenerative medicine and biosensing
9:00 AM	9:30 AM	Dan Anderson	Nucleic acid delivery systems for RNA therapy and gene editing
9:30 AM	10:00 AM	Andre Nel	Use of an iRGD-induced Transcytosis Pathway for enhancing the Irinotecan response of a Silicasome Nanocarrier in Pancreatic Cancer
10:00 AM	10:30 AM	Intermission/Coffee break	BSRB – ABC room
10:30 AM	11:00 AM	Peter Senter	Potent Antibody-Based Conjugates for Cancer Therapy: From Early Stage Research to a Clinically Approved Drug
11:00 AM	11:30 AM	Muthiah Manoharan	RNAi Therapeutics in Human Disease using GalNAc-siRNA Conjugates: <i>How sweet it is to work with sugars</i>
11:30 AM	12:00 PM	Jeff Karp	Tools for Accelerated Innovation: Stories from Bioinspiration to Innovation
12:00 PM	1:15 PM	Lunch + Exhibition	Palmer Commons – Great Lakes Room
1:15 PM 5:30 PM SESSION II BSRB – Kahn Auditorium			
1:15 PM	2:00 PM	Keynote Speaker: Francis Szoka	New Lipid Based Drug Delivery Systems; Innovating at the Intersection of the Old and the Obscure
2:00 PM	2:30 PM	Christine Allen	Thermosensitive Liposomes: A Therapeutic Strategy to Enhance the Effectiveness of Nanomedicines in Oncology
2:30 PM	3:00 PM	Justin Hanes	Drug and Nucleic Acid Delivery to the Brain using Brain-Penetrating Nanoparticles
3:00 PM	3:30 PM	Intermission/Coffee break	BSRB – ABC room
3:30 PM	4:00 PM	Michelle Bradbury	Targeted Ultrasmall Silica Nanoparticles as Next-Generation Treatment Tools for Drug Delivery and Induction of Cell Death
4:00 PM	4:30 PM	You Han Bae	Nanoparticle absorption at distal ileum by bile acid transporters and its implication for drug delivery
4:30 PM	5:00 PM	Sarah Gong	Multifunctional Unimolecular Micelles for Targeted Cancer Therapies
5:00 PM	5:30 PM	Twan Lammers	Monitoring and modulating drug targeting to tumors and metastases
5:30 PM	8:00 PM	Strolling dinner + Poster presentation	Palmer Commons – Great Lakes Room
Saturday (September 23, 2017)			
7:00 AM	8:00 AM	Registration and Breakfast	BSRB – ABC room
8:00 AM	12:30 PM	SESSION III	BSRB – Kahn Auditorium
8:00 AM	8:30 AM	Vladimir Muzykantov	Targeting nanomedicine to the vascular endothelium
8:30 AM	9:00 AM	Tatiana Segura	Accelerated wound healing by injectable star amphiphilic scaffolds loaded with poorly water-soluble drugs
9:00 AM	9:30 AM	Jean-Christophe Leroux	Biodetoxification; from small molecules to nano- and microvesicles
9:30 AM	10:00 AM	Intermission/Coffee break	BSRB – ABC room
10:00 AM	10:30 AM	Wim Hennink	Intracellular delivery of drugs using targeted nanogels.
11:00 AM	11:30 AM	Michael Sailor	Self-Sealing Porous Silicon Nanoparticles For Targeted Delivery of Therapeutics
11:30 AM	12:00 PM	Suzie Pun	Macromolecule delivery to the Central Nervous System
12:00 PM	12:30 PM	Craig Duvall	Precision Polymer Architectures and Molecular Conjugates to Enable Therapeutics Against Undruggable Targets
12:30 PM	1:45 PM	Lunch + Exhibition	Palmer Commons – Great Lakes Room
1:45 PM 6:00 PM SESSION IV BSRB – Kahn Auditorium			
1:45 PM	2:30 PM	Keynote Speaker: Darrell Irvine	In vivo properties of amphiphilic ligand-protected gold nanoparticles
2:30 PM	3:00 PM	Susan Thomas	Overcoming transport barriers in the tumor microenvironment: designing biomaterial-based nanotechnology for immunotherapeutic drug delivery to sentinel lymph nodes
3:00 PM	3:30 PM	Omid Veischi	Immune Modulatory Biomaterials for Cell-Based Therapies
3:30 PM	4:00 PM	Intermission/Coffee break	BSRB – ABC room
4:00 PM	4:30 PM	Joel Collier	Peptide assemblies for immunomodulation
4:30 PM	5:00 PM	Evan Scott	Engineering nanomaterial morphology for immunotheranostic strategies
5:00 PM	5:30 PM	Moonsoo Jin	Molecular engineering for designing safe CARs
5:30 PM	6:00 PM	Julie Champion	Protein Nanocomplexes for Intracellular Antibody Delivery
6:00 PM	8:30 PM	Strolling dinner + Poster presentation	Palmer Commons – Great Lakes Room
Sunday (September 24, 2017)			
7:00 AM	8:00 AM	Registration and Breakfast	BSRB – ABC room
8:00 AM	12:15 PM	SESSION V	BSRB – Kahn Auditorium
8:00 AM	8:30 AM	James Baker, Jr.	Nanotechnology in Vaccine Development
8:30 AM	9:00 AM	Anil Sood	Selective targeting of tumor angiogenesis
9:00 AM	9:30 AM	Phillip Messersmith	Injectable Polymer Hydrogel Drug Delivery Systems Formed via Dynamic Linkages Between Boronate Esters and Biological Polyphenols
9:30 AM	10:00 AM	Intermission/Coffee break	BSRB – ABC room
10:00 AM	10:30 AM	David Schaffer	Directed Evolution of New Viruses for Therapeutic Gene Delivery
10:30 AM	11:00 AM	Erin Lavik	Engineering Hemostatic Nanoparticles: Challenges and Opportunities
11:00 AM	11:30 AM	Ennio Tasciotti	Synthetic proteolipid vesicles mimicking leukocyte membrane function
11:30 AM	12:15 PM	Keynote Speaker: Jennifer West	Biomimetic Patterning to Control Cell Behaviors
Departure			