

2017 IDDS-GiRC Joint Symposium

May 25-26, 2017

Kist, International Cooperation Building

May 25th 2017

Time	Speaker
10:00-10:10	Opening Remarks: Ick Chan Kwon (KIST)
Section I, Chairman: Youngro Byun (Seoul National University)	
10:10-10:50	Kinam Park (Purdue University) "Drug delivery systems: Finding micro and macro solutions"
10:50-11:30	Lei Xing (Stanford Medicine) "Delivery and evaluation of radiation activatable and reactive oxygen species-releasing nanostructures"
11:30-11:55	Hamid Ghandehari (University of Utah) "Nanotoxicology of Silica and Dendritic Constructs"
11:55-13:30	Lunch
Section II, Chairman: Ick Chan Kwon (KIST)	
13:30-14:10	Muthiah Manoharan (Ainylam) "RNAi therapeutics: from discovery to applications"
14:10-14:50	Xintao Shuai (Sun Yat-sen University) "Multifunctional theranostical nanomedicine for diverse applications"
14:50-15:15	Patrick Stayton (University of Washington) "Molecular engineering of drug therapies and cell therapy platforms"
15:15-15:40	Yoon Yeo (Purdue University) "PD-L1 silencing with CLPEI-DS complex for dual inhibition of melanoma growth"
15:40-16:00	Break
Section III, Chairman: Patrick Stayton (University of Washington)	
16:00-16:40	Andrew J. Geall (Avidity NanoMedicines) "Delivery of siRNA therapeutics: now on target"
16:40-17:05	Hyun Jin Kim (The University of Tokyo) "A thermo-responsive triblock cationic micelle stably encapsulating siRNA via two-step assemblies for systemic siRNA delivery"
17:05-17:30	Hyejung Mok (Konkuk University) "Design and implications of gene based conjugates for efficient delivery"

May 26th 2017

Time	Speaker
Section IV, Chairman: Doo Sung Lee (Sungkyunkwan University)	
10:30-11:10	Leroux Jean-Christophe (ETH Zurich) "Modification of therapeutic enzymes to improve their in vivo performance"
11:10-11:50	Richard A. Gemeinhart (The University of Illinois at Chicago) "Expected and unexpected activity of polymeric materials"
11:50-13:30	Lunch
Section V, Chairman: Hamid Ghandehari (University of Utah)	
13:30-14:10	Jeffrey Ulmer (GSK) "Self-amplifying mRNA vaccines"
14:10-14:35	Thomas Roberts (DFCI, Harvard Medical School) "Combining targeted and immunotherapies for cancer via small molecules, antibodies, and nanoparticles"
14:35-15:00	Jong Bum Lee (The University of Seoul) "RNA Technology for generation of novel biomaterials"
15:00-15:20	Break
Section VI, Chairman: Yoon Yeo (Purdue University)	
15:20-16:00	James Carothers (University of Washington) "Kinetic design of dynamic RNA architectures for highly-programmable biosensing and genetic control"
16:00-16:25	You Yeon Won (Purdue University) "Cancer radio luminescence therapy"
16:25-16:50	Hyung Jun Ahn (Korea Institute of Science and Tehcnology) "Rational design and applications of RNA nanoparticles for RNAi-based cancer therapy"
16:50-17:15	Hyukjin Lee (Ewha Womans University) "Functional RNA nanotechnology for gene therapy"
17:15-17:25	Closing Remarks: Doo Sung Lee (Sungkyunkwan University)