IABS2013 (Sep 28 – 30, 2013)																				
September 28																				
Registration (8:00 – 22:00)																				
September 29																				
	Morning												Afternoon							
8:00 - 8:	.20	8:30 - 9:15	9:15 - 10:00		10:00 - 10:30	10.20	10.20 11.15	11:15 - 12	12.00	12:00-	14:00-	14:25-	14:50-	15:15-	15:40-	16:00-	16:25-	16:50-	18:00-	
	:50		9:15	- 10:00	10:00 - 10:50	10:50	10:30 - 11:15		12:00	14:00	14:25	14:50	15:15	15:40	16:00	16:25	16:50	17:15	21:00	
Opening Remarks		PL-1	PL-2		Photography PL		PL-3	PL	4	Lunch	IL-1	IL-2	IL-3	IL-4	Coffee Break	IL-5	IL-6	IL-7	Reception	
	September 30																			
			Μ	orning		Afternoon														
8:00-	8:25-	8:50-	9:15-	9:40-	10:05-	10:25-	10:50-	11:15-	11:40-	12:05-	14:00-	14:25-	14:50-	15:15-	15:40-	16:00-	16:25-	16:50-	18:00-	
8:25	8:50	9:15	9:40	10:05	10:25	10:50	11:15	11:40	12:05	14:00	14:25	14:50	15:15	15:40	16:00	16:25	16:50	17:15	21:00	
IL-8	IL-9	IL-10	IL-11	IL-12	Coffee Break	IL-13	IL-14	IL-15	IL-16	Lunch	IL-17	IL-18	IL-19	IL-20	Coffee Break	IL-21	IL-22	IL-23	Banquet	

Scientific Program

September 28, 2013 / Saturday

8:00 – 22:00, **Registration**, Lobby of the Redbuds Hotel

September 29, 2013 / Sunday (Morning)

Conference Room: 6040, Education Complex (教育大厦), Changchun Institute of Applied Chemistry

8:00 – 8:30, **Opening Remarks**

Chair: Prof. Xuesi Chen (Changchun Institute of Applied Chemistry, China)
 Prof. Doo Sung Lee (Sungkyunkwan University, Korea)
 Prof. Hiroyuki Nishide (Waseda University, Japan)
 Prof. Kinam Park (Purdue University, USA)

Plenary Lectures

Chair: Prof. Hiroyuki Nishide (Waseda University, Japan)

- 8:30 9:15, Prof. Ann-Christine Albertsson, (Royal Institute of Technology, Sweden)
 Macromolecular Architecture and Advanced Synthesis as a Platform for
 Degradable Polymers with Tailor made Properties
- 9:15 10:00, **Prof. Jan Feijen** (University of Twente, The Netherlands) Biodegradable Nanosystems for Drug Delivery

10:00 - 10:30, Coffee Break / Photography

Chair: Prof. Doo Sung Lee (Sungkyunkwan University, Korea)

10:30 – 11:15, Prof. Kinam Park (Purdue University, USA)

The Missing Components of Current Drug Delivery Systems and New Approaches

11:15 – 12:00, **Prof. Ernst Wagner** (University of Munich, Germany)

Sequence-defined Carriers for Targeted Nucleic Acid and Protein Delivery

Invited Lectures

September 29, 2013 / Sunday (Afternoon)

Conference Room: 6040, Education Complex (教育大厦), Changchun Institute of Applied Chemistry

Chair: Prof. Chih-Chang Chu (Cornell University, USA)

- 14:00 14:25, Prof. Hiroyuki Nishide (Waseda University, Japan)Radical Polymers Toward Organic-based Rechargable Batteries
- 14:25 14:50, Prof. Yunfeng Lu (University of California, Los Angeles, USA)Engineered Protein Nanocapsules for Therapeutics
- 14:50 15:15, Prof. Yuanyuan Zhang (Wake Forest University, USA)Urine-derived Stem Cells: Biological Characterization and Potential Cell-basedTherapy
- 15:15 15:40, Prof. Won Jong Kim (Pohang University of Science and Technology, Korea)Polymeric Biomaterials for Gene, Drug and Nitric Oxide Delivery

15:40 – 16:00, Coffee Break

Chair: Prof. Jun Wang (University of Science and Technology of China, China)

- 16:00 16:25, Prof. Doo Sung Lee (Sungkyunkwan University, Korea)pH-sensitive Polymeric Micelles for Theranostics
- 16:25 16:50, Prof. Atsushi Maruyama (Tokyo Institute of Technology, Japan) Chilling Capture of Proteins Using Functionalized UCST Polymers
- 16:50 17:15, Prof. Yubin Huang (Changchun Institute of Applied Chemistry, CAS, China) A Polymer-(Tandem Drugs) Conjugate for Enhanced Cancer Treatment

September 30, 2013 / Monday (Morning)

Conference Room: 6040, Education Complex (教育大厦), Changchun Institute of Applied Chemistry

Chair: Prof. You Han Bae (University of Utah, USA)

- 8:00 8:25, Prof. Zhongwei Gu (Sichuan University, China) Towards New-generation Biomedical Materials: Peptide Dendrimers and Their Supramolecular Self-assembly
- 8:25 8:50, Prof. Yong-Hee Kim (Hanyang University, Korea)
 RNA Interference-mediated Reversal of Metallothionein-dependent Cisplatin Resistance Using Reducible Poly(oligo-D-arginine)
- 8:50 9:15, Prof. Jun Wang (University of Science and Technology of China, China)System Delivery of Small Interfering RNA with Nanocarriers for Cancer Therapy
- 9:15 9:40, Prof. Chae-Ok Yun (Hanyang University, Korea)
 Reprogrammed Viruses as Cancer Gene Therapeutics: Targeted, Armed, and Shielded
- 9:40 10:05, **Prof. Chong-Su Cho** (Seoul National University, Korea) Design of Polymeric Gene Carriers for Efficient DNA Transfection or RNAi Silencing by Regulation of Cellular Uptake
- 10:05 10:25, Coffee Break

Chair: Prof. Zhongwei Gu (Sichuan University, China)

- 10:25 10:50, Prof. You Han Bae (University of Utah, USA)
 Tissue Penetrating Self-assembled Nanoparticles Activated by Tumor Microenvironment
- 10:50 11:15, Prof. Chih-Chang Chu (Cornell University, USA)
 Nature-inspired Design of Pseudo-protein-based Biomaterials: Their Biological
 Property and Biomedical Applications
- 11:15 11:40, **Prof. Youngro Byun** (Seoul National University, Korea)Thearapeutic Glycobiologics: Heparin Conjugates for Cancer Therapy
- 11:40 12:05, **Dr. Guangchen Xu** (Editor, Wiley-VCH)Publishing in Wiley Materials Science Journals: How to Maximise Your Success

September 30, 2013 / Monday (Afternoon)

Conference Room: 6040, Education Complex (教育大厦), Changchun Institute of Applied Chemistry

- Chair: Prof. Toshihiro Akaike (Tokyo Institute of Technology, Japan)
- 14:00 14:25, Prof. Hideyoshi Harashima (Hokkaido University, Japan)
 Multifunctional Envelope-type Nano Device for Non-viral Gene Delivery
 Concept and Application for Nanomedicine
- 14:25 14:50, Prof. Yoshihiro Ito (RIKEN Advanced Science Institute, Japan)Bio-orthogonal and Combinatorial Designs of Binding Growth Factors
- 14:50 15:15, Prof. Hongbin Li (University of British Columbia, Canada)
 Engineering Protein-based Biomaterials with Tailored Mechanical Properties for
 Biomedical Applications
- 15:15 15:40, Prof. Akon Higuchi (Central University, Taiwan)
 The Differentiation of Human Adipose-derived Stem Cells Isolated by Membrane
 Filtration Method

15:40 – 16:00, Coffee Break

Chair: Prof. Hideyoshi Harashima (Hokkaido University, Japan)

- 16:00 16:25, Prof. Toshihiro Akaike (Tokyo Institute of Technology, Japan)
 Design of Cell Recognition Biomaterials and Prospect for Development of Cadherin-Marices Engineering
- 16:25 16:50, Prof. Guoping Chen (National Institute for Materials Science, Japan)
 Preparation of Collagen Porous Scaffolds with a Pore Size Gradient to Study Pore
 Size Effect on Cartilage Regeneration
- 16:50 17:15, Prof. Xuesi Chen (Changchun Institute of Applied Chemistry, CAS, China)Engineered Intelligent Polypeptide Nanocarriers for Cancer Therapy

17:15 – 17:30, Closing Remarks