

IEEE-NANOMED 2019

The 13th IEEE International Conference on Nano/Molecular Medicine and Engineering



November 21, 2019 (Thursday)		
14:00-18:00	Registration (Foyer, 2/F)	
18:00-18:30		Welcome Reception for all registered participants (RM 214)
18:00-19:30		

November 22, 2019 (Friday)						
08:30-08:50	Opening Ceremony (RM 208-210)					
08:50-09:25	Plenary Lecture 1: Chi-Ming HO, Univ. of California at Los Angeles, USA (RM 208-210) "AI-Personalized Therapy"					
09:25-10:00	Plenary Lecture 2: Federico ROSEI, Institut National de la Recherche Scientifique, Canada (RM 208-210) "Structure/Property Relationships in Biomaterials at the Nanoscale"					
10:00-10:10	Welcome Remark (RM 208-210)					
10:10-10:30	Coffee Break (Foyer, 2/F)					
10:30-11:05	Keynote Lecture 1: Sangyong JON, Korea Advanced Inst. of Science & Technology, Korea (RM 214) "Bioactive Compounds-Derived Nanomedicine for Anticancer & Anti-Inflammation Therapy"					
11:05-11:30	Keynote Lecture 2: Gyoo Yeol JUNG, Pohang Univ. of Science & Technology, Korea (RM 214) "Sensor-Guided Evolutionary Engineering for Industrial Microorganisms"					
11:30-12:30	Lunch for all registered participants					
	RM 208	RM 209	RM 210	RM 211	RM 212	RM 213
12:30-13:45	SS1 Smart Sensors for Healthcare Applications	SS2 Micro- & Nanoplatform for Biomedical Applications	SS3 Stem Cell Stimulating Biomaterials for Regenerative Medicine	Best Paper Competition Paper ID: 2*, 11, 14*, 20*, 23*, 29, 31 *Student Papers	SS4 Field Effect Based Sensor & Its Bio-Applications + Paper ID: 33	SS5: NANOMED/GROM Joint Session Functional Organ Mimetics for Drug Discovery
13:45-13:50	Break					
13:50-15:05	SS6 Biofabrication & 3D Tissue Modeling + Paper ID: 17	SS7 Smart Biomaterials for Bio/Nano-Applications	SS8 Emerging Technologies for Modeling & Diagnosis of Disease States of Human Organs + Paper ID: 32	SS9 Lab-on-a-Chip Systems for Point-of-Care Biosensing Applications	SS10 Microfluidics for Molecular & Cellular Applications	
15:05-15:25	Coffee Break at Conference Hall					
15:25-16:40	SS11 Regenerative Medicine Using Nanotechnology + Paper ID: 26	SS12 Novel Sensors & Materials + Paper ID: 18	SS13 Emerging Science & Technology for Next Generation Medical Society	SS14-1 Microfluidic System for Biomedical Applications [I] + Paper ID: 15	YR1 Micro- & Nanotechnologies for Biological & Biomedical Applications	SS15 Nanomaterials for Medicine
16:40-16:45	Break					
16:45-18:00	SS16 Externally Triggered or Image Guided Therapy Using Nanoparticles	SS17 Advances in Bio/Nano Medicine: Nanogents & Theranostic Approaches	SS18 Microsystems Technology + Paper ID: 56	SS14-2 Microfluidic System for Biomedical Applications [II] + Paper ID: 16, 21	YR2 Two- & Three-Dimensional Multifunctional Biomaterials for Micro & Nanosystems	
18:30-20:30	Organizers' Dinner by Invitation ONLY					

November 21-24, 2019
Kimdaejung Convention Center, Gwangju, Korea
<http://www.ieee-nanomed.org/2019/>

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November 23, 2019 (Saturday)						
08:30-09:05	Plenary Lecture 3: Byung Soo KIM, Seoul Nat'l Univ., Korea (RM 208-210) <i>"Exosome-Mimetic Extracellular Nanovesicle-Based Therapeutics"</i>					
09:05-09:40	Plenary Lecture 4: Jung-Joon MIN, Chonnam Nat'l Univ., Korea (RM 208-210) <i>"Programmable & Imageable Anti-Cancer Bacteria"</i>					
09:40-10:05	Keynote Lecture 3: Won Jong KIM, Pohang Univ. of Science & Technology, Korea (RM 208-210) <i>"Polymeric Nanomaterials for Drug & Nitric Oxide Delivery"</i>					
10:05-10:25	Coffee Break (Foyer, 2/F)					
	RM 211	RM 212	RM 213	RM 214	RM 208-210	
10:25-11:40	SS19 Nanotechnologies for Medical Application	SS20 Intelligent Micro/Nanomaterial for Biomedical Application	SS21 Multidisciplinary Approaches for Nanomedicine	SS22 Molecular Engineering in Medicine	SS23 Clinical Diagnostics & Treatment	
11:40-12:40	Lunch for all registered participants					
12:40-13:15	Plenary Lecture 5: Osamu TABATA, Kyoto Univ. of Advanced Science, Japan (RM 208-210) <i>"DNA Nanotechnology to Bridge between MEMS/NEMS & Nanomedicine"</i>					
13:15-13:40	Keynote Lecture 4: Pak Kin WONG, Pennsylvania State Univ., USA (RM 208-210) <i>"Single Cell Biosensors for Dynamic Multigene Analysis in Complex Tissue Environments"</i>					
13:40-14:05	Keynote Lecture 5: Hak Jong LEE, Seoul Nat'l Univ. College of Medicine, Korea (RM 208-210) <i>"Ultrasound & Drug Delivery"</i>					
14:05-14:30	Coffee Break (Foyer, 2/F)					
14:30-14:55	Keynote Lecture 6: Haeshin LEE, Korea Advanced Inst. of Science & Technology, Korea (RM 208-210) <i>"Polydopamine Coating & TANNylation: Mussel- & Plant-Inspired Biomaterials"</i>					
14:55-15:20	Keynote Lecture 7: Hyunjoon KONG, Univ. of Illinois at Urbana-Champaign, USA (RM 208-210) <i>"Biological Applications of Engineered Active Matters"</i>					
15:20-16:40	New Innovators Session: (RM 208-210) Liming BIAN, Chinese Univ. of Hong Kong, China Eun Ji CHUNG, Univ. of Southern California, USA Peter B. LILLEHOJ, Michigan State Univ., USA Zong-Hong LIN, Nat'l Tsing Hua Univ., Taiwan Xinge YU, City Univ. of Hong Kong, China					
16:40-16:45	Break					
	RM 211	RM 212	RM 213	RM 214	RM 208-210	
16:45-18:00	SS24 Emerging Nanotechnology for Biomedical Imaging + Paper ID: 4, 5	SS25 Biomedical Devices with Nanotechnology	SS26 Human-Plus Augmented Sensing & Smart Carbon & Colloidal Materials for Enhanced Property	SS27 Electrostatic Interaction & Considerations in Drug Delivery & Biomedical Applications + Paper ID: 22	SS28 Biomaterials & Biosensors in Biomedical Application	Poster Session (Foyer, 2/F) Paper ID: 9, 13, 19, 24, 25, 27, 39, 40, 41, 42, 43, 44, 45, 46, 47, 38, 49, 50, 51, 52, 53, 54, 57
18:30-21:00	Conference Banquet for all registered participants					

November 24, 2019 (Sunday)					
	RM 208	RM 209	RM 211	RM 212	RM 213
09:00-10:15	SS29 Nanomedicine & Nanoscale Drug Delivery (NND)	SS30 Micro/Nanofluidic Bioanalysis/Synthesis with New Technology + Paper ID: 7	SS31 From DNA to Smart Materials for Biosensing Applications	SS32 Extracellular Vesicles for Nanomedicine	SS33 Devices & Systems for Medical Applications
10:15-10:35	Coffee Break (Foyer, 2/F)				
10:35-11:10	Plenary Lecture 6: Thomas WEBSTER, Northeastern Univ., USA (RM 214) <i>"Goodbye Hospitals & Hello Implantable Nano Sensors"</i>				
11:10-11:45	Plenary Lecture 7: Jinwoo CHEON, Yonsei Univ., Korea (RM 214) <i>"Design of Nanomaterials for Next Generation Imaging & Cell Manipulations"</i>				
12:00-13:00	Farewell Reception for all registered participants				