

Poster Session

- Venue : ICC Jeju 3F Lobby
- Time schedule : February 22 (Wednesday), 17:50 ~ 19:20
- Chair : Prof. Dong-Soo Shin (Hanyang University)

ID	Title	Presenter	Affiliation
PO-001	Conductive Colloidal Microparticles-Arrayed Sensing Platform for Detecting Blood Glucoses	Ms. Song-Ee Choi	Hanyang University, South Korea
PO-002	Fabrication of Liquid-filled Tunable Lens with Antireflective Structure for Endoscope Camera	Mr. Sang-In Bae	Korea Advanced Institute of Science and Technology, South Korea
PO-003	Comprehensive Study on the Application of Graphene and its Derivatives in Optical Sensing	Ms. Kyungwha Chung	Ewha Womans University, South Korea
PO-004	Rapid Optical Biopsy via Multichannel Confocal Microscopy	Mr. Juehyung Kang	Hanyang University, South Korea
PO-005	Analysis of Skin Penetration of Cosmetics Using in vivo Confocal Raman Spectroscopy	Ms. Jihui Jang	COSMAX, South Korea
PO-006	Co-expression of Stimuli-responsive and Surface-adhesive Fusion Proteins with Tyrosine Hydroxylase in <i>E. coli</i>	Mr. Jae Hee Lee	Hanyang University, South Korea
PO-007	Surface Modification Chemistries of Poly(methyl methacrylate) as Oligonucleotide-immobilization Substrates for Solid-phase Amplification and Detection	Mr. QUANG NGHIA PHAM	Gachon University, South Korea
PO-008	Multi-wavelength Photoacoustic Source Using Stimulated Raman Scattering Effect at a 300 kHz of Repetition Rate	Ms. Soon-Woo Cho	Pusan National University, South Korea
PO-009	Electrochemiluminescence Resonance Energy Transfer-Based Biosensors	Dr. Lingling Li	Nanjing University, China
PO-010	Retroreflective Janus Microparticle as an Optical Signaling Probe for Nonspectroscopic Affinity Biosensing	Dr. Yong Duk Han	Ajou University, South Korea
PO-011	2D Micro-patterning of Cholesteric Liquid Crystal Microcapsules for a Temperature-Responsive Color Display Sensor	Ms. Bohyun Kim	Hanyang University, South Korea
PO-012	Uniform Biphasic Janus Microparticles for Patterned 2D Colloidal Registry	Mr. Sang Woo Han	Hanyang University, South Korea
PO-013	Smartphone-associated Optical Sensing Platform by Employing Chromogenic Light Interference	Mr. Hyeong Jin Chun	Ajou University, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-014	Optical Spectroscopy Method for Evaluating Noble Selective Tumorcidal Nanolipoplex - LIMLET	Ms. Sujin Jung	Hanyang University, South Korea
PO-015	Intravascular Optical Coherence Tomography and Fluorescence Lifetime Imaging Catheter for Diagnosing Coronary Artery Disease (CAD)	Mr. Min Woo Lee	Hanyang University, South Korea
PO-016	Study on Ceramide Behavior through Raman Imaging	Ms. Minjoo Noh	COSMAX, South Korea
PO-017	Stimuli-responsive Complexes of Graphene Oxide-based Polyelectrolyte Block Copolymer Brushes and Gold Nanorods	Mr. Hyunki Kang	Hanyang University, South Korea
PO-018	Surface Modification Mediated by Polydopamine Coating for the Immobilization of DNA	Ms.Thi Ngoc Diep Trinh	Gachon University, South Korea
PO-019	Folate Receptor-mediated Targeting of Cancer Cell by Three Photon Imaging	Mr. Seung Won Jun	Pusan National University, South Korea
PO-020	In-vivo Fluorescence Imaging of Targeting Proteoliposome Conjugated with EGF-BAM Complex as a Homing Molecule	Ms. Hyunmin Ryu	Hanyang University, South Korea
PO-021	Highly Sensitive Time-resolved Fluorescence Immunosensing Platform for Cardiac Troponin I Detection	Mr. Ka Ram Kim	Ajou University, South Korea
PO-022	Stretchable Electrochemical Sensor Using Printed Carbon Electrode Modified with GO/SWNT Composite on Mogul-patterned Stretchable Substrate	Ms. Han-Byeol Lee	Sungkyunkwan University, South Korea
PO-023	Fabrication of Gradient Generating Microdroplet-based Chips for a Fast and Sensitive Bioanalysis	Mr. Jinhyeok Jeon	Hanyang University, South Korea
PO-024	Near-field Scanning Optical Microscopy of Localized Near-fields on Plasmonic Nanostructures	Mr. Kiheung Kim	Yonsei University, South Korea
PO-025	Multimodal Nonlinear Imaging of Cell Division in Arabidopsis Thaliana Root Cell	Mr. Bumjoon Jang	Yonsei University, South Korea
PO-026	Development of Time-resolved Fluorescence (TRF) Measurement Device for Lateral Flow Assay (LFA)	Dr. Kook-Nyung Lee	Korea Electronics Technology Institute, South Korea
PO-027	A Wellness Software Platform with Smart Wearable Devices and the Demonstration Report for Personal Wellness Management	Mr. Won-Seok Kang	Daegu Gyeongbuk Institute of Science & Technology, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-028	Thermally-triggered Self-assembly of Elastin and Resilin Fusion Proteins	Ms. Aamna Basheer	Hanyang University, South Korea
PO-029	Anisotropic Bimetal Nanorod Clusters-Polymer Hybrid Nanostructures for Biophotonics	Ms. Eun Young Hwang	Hanyang University, South Korea
PO-030	Fluorescence Detection Device Using Smart Phone Camera for Point-of-care Testing (POCT)	Dr. Kook-Nyung Lee	Korea Electronics Technology Institute, South Korea
PO-031	Concurrent Analysis of Biomarkers for Reliable Diagnostics of Oral Squamous Cell Carcinoma	Ms. Mingi Jung	Hanyang University, South Korea
PO-032	Theoretical Analysis of Optical Conveyor Belt with Plasmonic Nanodisk Array	Mr. Changhun Lee	Yonsei University, South Korea
PO-033	A SERS Based Lateral Flow Assay Biosensor for the Simultaneous Detection of Dual Nucleic Acids	Ms. Xiaokun Wang	Hanyang University, South Korea
PO-034	SERS-based Micro-droplet assays of Yersinia Pestis Fraction I Antigens Using Sequential Merging and Splitting	Mr. Namhyun Choi	Hanyang University, South Korea
PO-035	Development of Simple and Sensitive Colorimetric Sensor Array for Breathing Gas Diagnostics	Mr. SANDURU K THAMARAI	Gachon University, South Korea
PO-036	Simulation and Fabrication of Silicon Nitride Nanoantenna Metasurface	Mr. Jung-Woo Park	Korea Advanced Institute of Science and Technology, South Korea
PO-037	Feasibility Study Using Biomimetic Virus Based Colorimetric Sensor for Discrimination of Geographical Origins of Diverse Agricultural Products	Ms. Daun Seol	Hanyang University, South Korea
PO-038	Detection of Endocrine Disruptor by Colorimetric NanoAptasensor	Dr. Eun-Hee Lee	Ewha Womans University, South Korea
PO-039	Bio Sensing for Gray Leaf Spot Disease of <i>Capsicum annum</i> Leaves Using Optical Coherence Tomography	Ms. Hyojin Kim	Kyungpook National University, South Korea
PO-040	Controlled Synthesis of Asymmetric Bimetallic Nanoparticles	Ms. Eun Young Hwang	Hanyang University, South Korea
PO-041	Electrodeposition of Gold Nanodendrites on Three-dimensional Nickel Foam for SERS Substrate	Mr. Tung Duy Vu	Hanyang University, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-042	Hydrophobic Coating of Cellulose Nanofiber-based Microchannels	Mr. Sungchul Shin	Seoul National University, South Korea
PO-043	Selective Monitoring of H ₂ O ₂ Release from a Mechanically Stimulated Single Hela Cell Using Prussian Blue Modified au Nanowire Electrode	Mr. Raekeun Gwak	Korea Advanced Institute of Science and Technology, South Korea
PO-044	Novel Wash-free On-chip Assay for the Detection of Prostate Cancer Marker Using SERS Spectroscopy	Mr. Ziyi Cheng	Hanyang University, South Korea
PO-045	Skin Optical Properties for Wearable Biometric Applications	Ms. Haena Kim	KETI (Korea Electronics Technology Institute), South Korea
PO-046	Field-portable Bufferless Gel Electrophoresis Chip for Rapid DNA Separation	Mr. Abdurazak Aman	Sungkyunkwan University, South Korea
PO-047	Phage Display Identification of Peptide Ligands and Their Immunodiagnostic Analysis Using SPR	Ms. Soi Yun	Hanyang University, South Korea
PO-048	Formation of the Multicellular Tumor Spheroids Using a Microfluidic Device	Dr. Sang Woo Lee	Asan Medial Center, South Korea
PO-049	Development of an LSPR-based Optical Fiber Aptasensor for in situ Measurement of OTA	Mr. Bobin Lee	Gwangju Institute of Science and Technology, South Korea
PO-050	Composite Nanostructures of Thermo-responsive Block Copolymer-grafted Graphene Oxides and Metallic Nanoparticles for Biophotonics	Mr. Hyunki Kang	Hanyang University, South Korea
PO-051	Enhanced Cell Attachment via Surface Collagen Treatment	Mr. Huy Phuoc Quang Nguyen	Gachon University, South Korea
PO-052	Linewidth Study of Gain Switched Wavelength-swept Laser	Mr. Gyeong Hun Kim	Pusan National University, South Korea
PO-053	Intravital Wide-area Imaging of Mammalian Deep Brain Tissue by Needle-shaped Side-view Confocal Endomicroscope	Ms. Eunji Kong	Korea Advanced Institute of Science and Technology, South Korea
PO-054	Forensic Phone: Age Estimation of a Bloodstain with Colorimetric Analysis Using a Smartphone	Mr. Joonchul Shin	Yonsei University, South Korea
PO-055	Investigation of Optical Processes in InGaN-Based Light-Emitting Diodes Using Electreflectance and Photocurrent Spectroscopies	Mr. Gyeong Won Lee	Hanyang University, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-056	Targeted Imaging of Ovarian Cancer Cells Using Anti-cancer Antigen I25 Aptamer	Mr. Gae Baik Kim	Hanyang University, South Korea
PO-057	A PTB to Measure Concentration of Salivary CRP Using Photothermal Effect	Mr. Seung Hyeon Lee	Yonsei University, South Korea
PO-058	Solid-state Dewetting of Concurrently Deposited Au-Ag Alloy Film for Visible Wavelength Plasmonic Resonance Tuning	Mr. Charles Hwang	Korea Advanced Institute of Science and Technology, South Korea
PO-059	Three-dimensional Structure of <i>Orientia Tsutsugamushi</i> in Human Eschar by High-voltage Electron Microscopy (HVEM)	Ms. Hyun-Joo Ro	Korea Basic Science Institute, South Korea
PO-060	Development of Paper-localized Surface Plasmon Resonance Sensing for Point-of-care Sensing	Ms. Su-ji Ha	Gwangju Institute of Science and Technology, South Korea
PO-061	Integration of Upright and Inverted Light Microscopes in a Scanning Electron Microscope	Dr. In-Yong Park	Korea Research Institute of Standard and Science, South Korea
PO-062	Polydimethylsiloxane (PDMS) Microchip Fabricated with Anodic Aluminum Oxide Substrate for On-chip PCR and Subsequent SERS-based DNA Detection	Mr. Buu Minh Tran	Gachon University, South Korea
PO-063	Multi-channel SPR Imaging System Based on Micro-mirror-based 3D Printing Technique	Ms. Jaeyeon Lee	Kyung Hee University, South Korea
PO-064	Silk Fibroin/Gelatin Methacrylate Composite Hydrogel as a 3D Printing Bio-Ink	Mr. Donghyeok Shin	Seoul National University, South Korea
PO-065	Enrichment and Photothermal Lysis of the Airborne Bacteria Using Herringbone Microfluidic Chip with Concanavalin A	Mr. Kirok Kwon	Yonsei University, South Korea
PO-066	Compactly Packaged Endomicroscopic Catheter Using an Electrothermal MEMS Fiber Scanner	Mr. Yeong-Hyeon Seo	Korea Advanced Institute of Science and Technology, South Korea
PO-067	SERS-based Lateral Flow Assay Sensor for Rapid and Sensitive Detection of Autoantibody against Citrullinated Peptide	Dr. Hyangah Chon	Hanyang University, South Korea
PO-068	Preparing Highly Luminescent Biocompatible Gold Nanoclusters via Surface Modification	Ms. Kyunglim Pyo	Yonsei University, South Korea
PO-069	Use of Peroxidase-Mimic Nanozymes for Colorimetric Immunoassays	Mr. Youngwon Ju	Kyung Hee University, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-070	Precisely Temperature-Controllable Versatile Molds for 3D-Hierarchical Structure via Step and Repeat Process	Mr.Young Jin Jo	Sungkyunkwan University, South Korea
PO-071	Image of the Micro-Computed Tomography and Atomic-Force Microscopy of Bone in Ovariectomized Rats	Ms. Gyeong-Ji Kim	Sogang University, South Korea
PO-072	Systemic Cellular Delivery of Protein Nanoparticles Prevents Acetaminophen-induced Hepatotoxicity and Liver Injury	Dr. Min Sang Lee	Sungkyunkwan University, South Korea
PO-073	Electrochemical Deposition of Gold-platinum Alloy Nanoparticles on Single-walled Carbon Nanotube Films for Sensitive Hydroxylamine Detection	Dr.Yanfang Geng	Hanyang University, South Korea
PO-074	Tactile Sensing Signal Processing for Pressure and Temperature Sensing Process	Mr. Kyungsoo Kim	Daegu Gyeongbuk Institute of Science & Technology, South Korea
PO-075	Ultrastable-Stealth Large Gold Nanoparticles with DNA Directed Biological Functionality	Mr. Jun Hyuk Heo	Sungkyunkwan University, South Korea
PO-076	A Physically Transient Form of Highly Sensitive Biocompatible Dopamine Sensor	Mr. Hyun-Seung Kim	Korea University, South Korea
PO-077	Highly Sensitive SERS-based Lateral Flow Immunoassay for the Detection of TSH	Ms. Suji Choi	Hanyang University, South Korea
PO-078	Maskless Fabrication of Micro-photonic Device on an Optical Fiber Tip for Miniaturized All-fiber Probe	Mr. Jae-Beom Kim	Korea Advanced Institute of Science and Technology, South Korea
PO-079	Energy Transfer Sensitization in Fluorophore-conjugated Gold Nanoclusters	Ms. Sook Young Yoon	Yonsei University, South Korea
PO-080	Fabrication of Tapered Multimode Fiber Functionalized with Silane-PEG-Biotin for Protein-Avidin Detection	Mr. Mohd Azmir Mustapa	University of Putra Malaysia, Malaysia
PO-081	Plasmonic Aptasensor Coupled with Berberine as a Universal Platform for Ultrasensitive Detection of Small Molecules	Dr. Jin-Ho Park	APRI, South Korea
PO-082	Near-infrared Light Based Photothermal Stimulation of Cultured Neurons Using Gold Nanofilm Chip	Mr. Jeewoong Lee	Korea Advanced Institute of Science and Technology, South Korea
PO-083	Broadband Light Source of Plasmon-coupled CdSe Quantum Dots for Optical BioSensing	Mr. Quinton A. Rice	Hampton University, United States

Poster Session

ID	Title	Presenter	Affiliation
PO-084	A Microfluidic Platform with Au-Ag Bimetallic Nanoparticles for Continuous Electrochemical Detection of Hydrogen Peroxide	Ms. Euna Ko	Hanyang University, South Korea
PO-085	Use of SHG Microscopy for Detection of Microenvironment Deformation in Microscale by Using DVC	Mr. Yong Guk Kang	Korea University, South Korea
PO-086	Optical Frequency-domain Imaging (OFDI) Method Based Quantitative Evaluation of <i>ex vivo</i> Dental Caries	Mr. Ruchire Eranga Henry Wijesinghe	Kyungpook National University, South Korea
PO-087	3D Invasion Assay on Micropillar/Microwell Chip Platform for Targeted Cancer Drug Therapy	Ms. Lily M Park	Samsung Medical Center, South Korea
PO-088	A Droplet-based Microfluidic Device for SERS Detection of HBV DNA	Mr. Hao Chen	Hanyang University, South Korea
PO-089	Confocal Endomicroscopy Using High Resolution and High Frame Rate Lissajous Fiber Scanner	Ms. Kyungmin Hwang	Korea Advanced Institute of Science and Technology, South Korea
PO-090	Smart Endoscope System for Colon Cancer Treatment	Dr. Hyunjae Lee	Seoul National University, South Korea
PO-091	Intravital Imaging of the Hepatic Lipid Droplets in Nonalcoholic Fatty Liver Disease Mouse Model	Ms. Jieun Moon	Korea Advanced Institute of Science and Technology, South Korea
PO-092	Development of Surface-enhanced Raman Spectroscopy Biosensor Based on Periodic Nanopillar Arrays and Aperiodic Nanorods	Mr. Munsik Choi	Kyung Hee University, South Korea
PO-093	DNA Amplification and Subsequent Detection of PCR Amplicon on a Chip	Ms. OANH NGUYEN	Gachon University, South Korea
PO-094	Stimuli-responsive Self-assembly of Elastin-based Fusion Proteins with Helix Blocks for Injectable Hydrogels	Ms. Aamna Basheer	Hanyang University, South Korea
PO-095	Label-free Detection of Influenza Virus Using Biomimetic Nanopillar-based Biosensor	Mr. Wang Sik Lee	Korea Research Institute of Bioscience and Biotechnology, South Korea
PO-096	Central Processing of Odor Adaptation Revealed by Event-Related Potentials (ERP)	Mr. Jisub Bae	Daegu Gyeongbuk Institute of Science and Technology, South Korea
PO-097	DNA Binding Peptide Directed Synthesis of Continuous DNA Nanowires for Analysis of Large DNA Molecules by Scanning Electron Microscope	Mr. Kyung-il Kim	Sungkyunkwan University, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-098	Real-time Detection of Aflatoxin BI Using Portable SPR	Ms. Jeong Moon	Korea Research Institute of Bioscience and Biotechnology, South Korea
PO-099	On-the-spot Smartphone Imaging-based Label-free Dual Wavelength Fluorescent Biosensor with High Sensitivity and Accuracy	Mr. Won-il Lee	Sungkyunkwan University, South Korea
PO-100	A Label-free ZnO Nanorod Fluorescent Aptasensor for Optofluidic High-content Screening	Mr. Young Min Son	Sungkyunkwan University, South Korea
PO-101	Segmented Wave Analysis of Surface Plasmon Resonance on Curved Surface	Mr. Hyunwoong Lee	Yonsei University, South Korea
PO-102	A Facile SERS Based Strategy for DNA Methylation Detection	Dr. YANGLEI OU	Huazhong University of Science and Technology, China
PO-103	Precise Dissolving Rate Control of Bio-integrated Transient Electronics Via External Near-infrared Heating	Mr. Ju Seung Lee	Sungkyunkwan University, South Korea
PO-104	Magnetophoretic Detection to Confirm the Results with the Naked Eye	Mr. Younggeun Jo	Korea Advanced Institute of Science and Technology, South Korea
PO-105	Quantification of Lard in Animal Fat Product with Simple Calculation from Raman Spectroscopy	Mr. Juyong Lee	Gwangju Institute of Science and Technology, South Korea
PO-106	Sensitivity and Signal-to-Noise Ratio Enhanced Nanoscale Crack Sensor Controlling Crack Depth	Mr. Chanho Jeong	Sungkyunkwan University, South Korea
PO-107	Ultrafast Video Imaging of Cell Division from Zebrafish Egg Using Multimodal Microscopic System	Mr. Sung-Ho Lee	Yonsei University, South Korea
PO-108	Operating Mechanism of Carbon Nanotubes Coated Colloidal Sensors	Mr. Chi Ho Lee	Hanyang University, South Korea
PO-109	High-performance SERS Nanopillar Arrays for the Sensitive Detection of Food-borne Bacteria	Dr. Juhui Ko	Hanyang University, South Korea
PO-110	Incubation-free Electrochemical Immunosensor Using a Gold-nanocatalyst Label Mediating Outer-sphere-reaction-philic and Inner-sphere-reaction-philic Species	Mr. Cheolho Kang	Pusan National University, South Korea
PO-111	Detection of Protein Biomarkers in Patient Urine for Early Diagnosis of Prostate Cancer	Mr. Jaewon Choi	Korea Institute of Science and Technology, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-112	Remarkable Persistence and Durability in Nanocrack Based Sensor via On-Demand Healing	Mr. Byeonghak Park	Sungkyunkwan University, South Korea
PO-113	Clustered Bimetallic Ag-Au-Ag Nanorods for Photonics-based Biosensor Development	Mr. Ahmed Ali	Hanyang University, South Korea
PO-114	Anisotropic Elastin-based Polypeptide Nanoparticles with Electric Dipolar Compartments for Drug Delivery	Mr. Jae Sang Lee	Hanyang University, South Korea
PO-115	Modification of Vibrational Raman Modes for Nanomechanical Biosensor	Mr. Quinton A. Rice	Hampton University, United States
PO-116	Stimuli-triggered Micelle Formation of Thermosensitive Fusion Polypeptides for Growth Factor Receptor Targeting	Ms. Minjung Kang	Hanyang University, South Korea
PO-117	Numerical Analysis of Neuronal Responses for One Photon Stimulation	Mr. Geonho Choi	Ulsan National Institute of Science and Technology, South Korea
PO-118	Identification of Squid Species by Melting Temperature Shifts on Fluorescence Melting Curve Analysis (FMCA) Using Single Dual-labeled LNA Probe	Mr. Ha Jeong Song	Hanyang University, South Korea
PO-119	Ultrasensitive Colon Cancer Biomarker Detection for Initial Diagnosis	Mr. Hyunwoo Son	Korea Institute of Science and Technology, South Korea
PO-120	Real-Time Imaging of Metabolic Reprogramming and Transcription Dynamics for Differentiation Response	Ms. Linglu Yi	Beijing University of Chemical Technology, China
PO-121	A 3D-printed Microfluidic Magnetic Preconcentrator for Bacterial Pathogen Detection System in Blood with an ATP Luminometer and Antibody-conjugated Magnetic Nanoparticles	Mr. Jin Yeop Lee	Sungkyunkwan University, South Korea
PO-122	Microfluidic Platform Embedded with a Hierarchical Carbon Nanotube Three-dimensional Network Structure for Cancer Biomarker Detection	Ms. Jinhee Shim	Hanyang University, South Korea
PO-123	Study on the Quality Evaluation of the Gene Recombinant Protein Drug Using Label-free Molecular Interaction Analyzer	Dr. Joung Hee Baek	Ministry of Food and Drug Safety, South Korea
PO-124	Multispectral Optical Properties of a Sliced Brain Tissue	Mr. Sungbea Ban	Ulsan National Institute of Science and Technology, South Korea

Poster Session

ID	Title	Presenter	Affiliation
PO-125	Injectable Hydrogels of Elastin-Calmodulin Fusion Proteins with Dynamic Property	Mr. Jae Sang Lee	Hanyang University, South Korea
PO-126	Cell Penetrating Peptide-elastin Multi-block Copolypeptides with Stimuli-responsiveness for Theranostics	Ms. Minjung Kang	Hanyang University, South Korea
PO-127	Electric-field Responsive Anisotropic Microparticles for Advance Drug Delivery Applications	Mr. Ahmed Ali	Hanyang University, South Korea
PO-128	Self-doped Polyaniline Multifunctional Optical Probes in Confined Nanostructure for pH Sensing	Dr. Yoochan Hong	Yonsei University, South Korea
PO-129	A Fiber Optic High-temperature Pressure Sensor	Mr. Shuo Zhang	Beijing Institute of Technology, China
PO-130	Synthesis and Liposome Delivery of 5,10,15,20-tetrakis(benzo[b]thiophene) Porphyrin as Photodynamic Therapy Agent against Breast Cancer Cells	Mr. Baskaran Purushothaman	Seoul National University, South Korea
PO-131	A Novel Insulin-mimetic and Anti-inflammatory Vanadyl-Schiff Base Complex and Its Application against Diabetes Using TIRF Microscope	Mr. Jungmi Lee	Seoul National University, South Korea