



10 월 26 일 (수)		
15:00~18:30	Registration (B1, Monterosso Hall)	
18:30~19:00	평의원회	
10 월 27 일 (목)		
시간	프로그램	
08:00~09:00	Registration (B1, Monterosso Hall)	
09:00~10:40	Young Pioneer Session I 좌장: 강태욱 교수(서강대학교) (B1, Monterosso Hall)	Young Pioneer Session II 좌장: 박태정 교수(중앙대학교) (3F, Manarola Hall)
09:00~09:20	김병연(경희대학교) High-throughput Separation of White Blood Cells by Deterministic Migration	김홍경(광운대학교) A Paper-plastic Hybrid Microfluidic Device for Smartphone Based Colorimetric Analysis of Urine
09:20~09:40	권영섭(고려대학교) In vitro Detection of Catecholamine by Using Novel GO-Aptamer Complex	박문성(KAIST) AgAu Nanocomposites on Cellulose Fiber Matrices for Metal-enhanced Fluorescence
09:40~10:00	이상희(POSTECH) Novel Detection of Biomarker Using Catalytic Nanoparticles and Glass Capillary Indicators	김영석(GIST) Electrochemically Durable Transparent Microelectrode Array Systems Based on Crystallized PEDOT:PSS
10:00~10:20	최웅선(KIST) Hydrogel Micropost-based qPCR for Multiplexed Detection of MicroRNAs Associated with Alzheimer's Disease	신준철(연세대학교)) Smart Drowsiness Phone: A Degree of Driver's Fatigue via EEG Monitoring in Response to Salivary Cortisol Using a Smartphone
10:20~10:40	주성훈(KAIST) Dynamic Patterning of Neurons Using Alginate Hydrogel on Microelectrode Array to Study the Change of Network	강동구 교수(인천대학교) Rapid Detection and Absolute Quantification of Single Bacteria in Unprocessed Blood Using Integrated



	Connectivity of Neuronal Network	Comprehensive Droplet Digital Detection
10:50 ~11:00	Opening Ceremony (B1, Monterosso Hall)	
11:00~11:50	Plenary Session I. 학술대상 시상식 및 기념강연 좌장: 민준홍 교수(중앙대학교) (B1, Monterosso Hall)	
	주재범 교수(한양대학교) Development of SERS-based Assay Platforms for <i>in vitro</i> Diagnostics	
11:50~12:00	In Memoriam Prof. Sang-Hoon Lee (고 이상훈 교수 추모) 이광호 교수(강원대학교) (B1, Monterosso Hall)	
12:00~12:30	제 11 차 정기총회 (B1, Monterosso Hall)	
12:30~13:30	LUNCH (2F, 단체식당)	
13:30~15:10	Session I. Protein, Virus, Biomolecule Detection and Monitoring 좌장: 조규봉 교수(서강대학교) (B1, Monterosso Hall)	Session II. Personalized Healthcare Monitoring and Diagnostics 좌장: 고성호 교수(차의과학대학교) (3F, Manarola Hall)
13:30~13:55	김소연 교수(동국대학교) SG Cap TM Technology for 3Dimensional Protein Capturing for Multiple High Risk Virus Screening Clinical Study	신용 교수(울산의대/서울아산병원) A Novel Strategy for Molecular Diagnostics in Emerging Infectious Diseases
13:55~14:20	임광일 교수(숙명여자대학교) Identification of Newly Emerging Influenza Viruses by Surface-Enhanced Raman Spectroscopy	신운섭 교수(서강대학교) Development of Non-gassing Electroosmotic Pump and Its Applications in Drug Delivery
14:20~14:45	정대홍 교수(서울대학교) SERS-based Multiplexed Molecular Detection for In Vivo & In Vitro Diagnoses	이수석 교수(순천향대학교) Surface Acoustic Wave Sensors for Quantitative Analysis of Biomolecules



14:45~15:10	차준회 박사((주)엔게인) GluLiner, a Continuous Glucose Monitoring System Using Hydrogel-Based Glucose Oxidase Sensors: from a Proof-of-Concept Study to Practices	이석원 박사((주)아이센스) Impact of Surface Science and Interfacial Engineering on Medical Device Performance
15:10~15:25	Coffee Break	
15:25~16:40	Session III. BioMEMS Fundamentals and Applications 좌장: 허윤석 교수(계명대학교) (B1, Monterosso Hall)	Session IV. Frontiers in BioChips 좌장: 남윤기 교수(KAIST) (3F, Manarola Hall)
15:25~15:50	이내윤 교수(가천대학교) Sealing of Thermoplastics Mediated by Surface Chemical Modification	이원희 교수(KAIST) How to Add Flexibility to Inertial Microfluidics
15:50~16:15	김홍남 박사(KIST) Collagen-based 3D Brain Microvasculature on a Chip	최종훈 교수(중앙대학교) Probing the Dynamic Immune Responses from Single Human T Lymphocytes Isolated in Microwells
16:15~16:40	김중경 교수(국민대학교) High-Precision Absolute Cell Counting with Unconventional Sample Chamber for Point-of-Care CD4 Test	강태준 박사(KRIBB) Noble Metal Nanowires for Biomedical Applications
16:40~18:30	Poster Session 좌장: 천홍구 교수(고려대학교) (3F, Vernazza Hall and Corniglia Hall)	
18:30~20:00	Banquet (2F, Blue Seagull)	
10 월 28 일 (금)		
시간	프로그램	
09:00~10:40	Session V. Nano-Bio Convergence Technology 좌장: 조승우 교수(연세대학교) (B1, Monterosso Hall)	Session VI. Biosensing Chips for Healthy Life 좌장: 고원건 교수(연세대학교) (3F, Manarola Hall)



09:00~09:25	김원종 교수(POSTECH) Stimuli-responsive Nanomedicine Based on Self-assembly in Complex Environment	김동환 교수(성균관대학교) Plasmonic Nanosensor: Synthesis, Assembly and Signal Amplification
09:25~09:50	최명철 교수(KAIST) Microtubule Architecture	양해식 교수(부산대학교) Electrochemical Immunosensors Using Redox Cycling
09:50~10:15	양희석 교수(단국대학교) Application of Nano-architected Scaffolds for Tissue Regeneration	양성윤 교수(충남대학교) Nano-porous Polymer Networks for Selective and Reliable Biochip Application
10:15~10:40	김병일 박사(티엔에스(주)) Commercialization of Lab on a Chip based Molecular Diagnosis	이강원 교수(서울대학교) Biomedical Imaging Applications of Fluorescence-based Nanotechnology
10:40~11:00	Coffee Break	
11:00~11:50	Plenary Session II. 좌장: 남윤기 교수(KAIST) (B1, Monterosso Hall)	
	김성우 박사(나노바이오시스(주), 대표이사) Rapid Molecular Diagnosis of Infectious Diseases Using Ultrafast LabChip-based Real-time PCR	
11:50~12:20	Closing Ceremony (B1, Monterosso Hall)	
12:20~14:00	LUNCH (2F, 단체식당)	