

## Satellite Session

### ST1 - New Insights in Research on Brain and Neurological Disorders

Organized by   여성생명과학기술포럼  
Women's Bioscience Forum

May 28th(Tue), 13:00-15:00, Exhibition Center 1, Room 211

여성생명과학기술포럼

Organizer & Chair KyeongJin Kim (Inha University), YunJae Jung (Gachon University)

Speaker1	30' Yun Kyung Kim (KIST)	Targeting P.Gingivalis as a Risk Factor for Dementia
Speaker2	30' Jeehyun Kwag (Seoul National University)	Dysfunctions of GABAergic interneuron ensemble dynamics in Mouse Models of Alzheimer's Disease
Speaker3	30' Yunhee Kim (Kyung Hee University)	Pharmacological inhibition of mTOR complex rescues the cognitive and histological abnormalities in the Alzheimer's disease models
Speaker4	30' Seongju Lee (Inha University)	TRIMosome: The Platform Orchestrating Multiple Steps of Autophagy

### ST2 - Muscle Biology Through the Lens of Science and Engineering

Organized by 

May 28th(Tue), 13:00-15:00, Exhibition Center 1, Room 212

원광대학교 근감소증 3단계 토달솔루션 선도연구센터

Organizer & Chair Seong-Kyu Choe (Wonkwang University School of Medicine), Jae Ho Seo (Wonkwang University School of Medicine)

Speaker1	30' Young C. Jang (Emory School of Medicine)	Muscle aging and beyond
Speaker2	30' Seong-Kyu Choe (Wonkwang University School of Medicine)	Myofiber size reduction caused by haploinsufficiency in genes that control organelle homeostasis
Speaker3	30' Jae-Hyun Yang (KAIST)	Evidence for Epigenetic Control of Muscle Aging
Speaker4	25' Ju-Hyeon Bae (Sungkyunkwan University School of Medicine)	Farnesol prevents age-related muscle weakness by inducing PGC-1 $\alpha$

### ST3 - Performance Presentation of CoPM(Center for Integrative Omics and Precision Medical)

Organized by 

May 28th(Tue), 13:00-15:00, Exhibition Center 1, Room 213

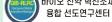
정밀의료기술개발사업단 (연구책임자: 김영준)

Organizer Young-Joon Kim (Yonsei University)

Chair Hong Seok Lee (Yonsei University)

Speaker1	20' Tae-You Kim (Seoul National University)	Establishing clinical cohort and development of liquid biopsy technology to implement precision medicine in colorectal cancer
Speaker2	20' Woong-Yang Park (Sung Kyun Kwan University)	A predictive biomarker for colorectal cancer in non-tumor-bearing adjacent tissue
Speaker3	20' Jung Kyoan Choi (KAIST)	Introduction to Research Achievements Using Multiomics and Deep Learning
Speaker4	10' Dong Woo Kim (Cellgentek Corp.)	Integrated analytics platform system for precision medicine
Speaker5	10' Ji Hwan Park (KRIBB)	Outline of the publicly accessible colorectal cancer methylome data from Korean patients

### ST4 - Advancements in innovative biopharmaceutical development: From Target Identification to Preclinical Research

Organized by 

May 28th(Tue), 13:00-15:00, Exhibition Center 1, Room 311&312

강원대학교 바이오 신약 혁신소재 융합 선도연구센터

Organizer & Chair Dae Hee Kim (Kangwon National University), Hyun-Jeong KO (Kangwon National University)

Speaker1	30' Je-Jung Lee (VaxCell-Bio&Chonnam National University Hwasun Hospital)	Innovative cellular immunotherapy using NK cells and CAR-based cells for cancer
Speaker2	30' Tae Hyun Kang (Kookmin University)	Engineering Antibodies against GPCRs for therapeutics
Speaker3	30' Hong Jai Lee (IMBiologics corp.)	Multivalent platform and its applications
Speaker4	30' Hyunbo Shim (Ewha Womans University)	Designing synthetic antibody diversity

### ST5 - Development of pharmaceuticals from natural products for human diseases

Organized by  한국과학기술연구원

May 28th(Tue), 13:00-15:00, Exhibition Center 1, Room 313

한국과학기술연구원 강릉분원 천연물연구소

Organizer & Chair Gyhye Yoo (Korea Institute of Science and Technology)

Speaker1	30' Seung-Hoon Yang (Dongguk University)	Natural product as a AD drug candidate targeting both amyloid misfolding and neuroinflammation
Speaker2	30' Moon-Hyeong Seo (Korea Institute of Science and Technology)	Proteome-scale identification and regulation of protein-protein interactions
Speaker3	30' Choong-Gu Lee (Korea Institute of Science and Technology)	Immune modulation of pancreatic cancer based on natural products-microbiome interactions
Speaker4	30' Kye Won Park (Sungkyunkwan University)	A molecular mechanism of butein-mediated Nrf2 activation

### ST6 - New drug development : present and future

Organized by  한국과학기술연구원  국가과학기술연구회

May 28th(Tue), 15:30-17:30, Exhibition Center 1, Room 211

한국생명공학연구원 & 국가과학기술연구회 융합네트워크

Organizer Sung-Jin Yoon (KRIBB)

Chair Taeho Kwon (KRIBB)

Speaker1	20' Nam-Kyung Lee (MabTics Co., Ltd. / KRIBB)	Development of a Tie2-agonist antibody as a novel therapeutics for preventing and treating acute kidney injury
Speaker2	30' Ohman Kwon (KRIBB)	Development of In vitro platform technologies based on intestinal organoids derived from human pluripotent stem cells
Speaker3	25' Ji Hee Kang (AtoGen)	Microbiome-Based Therapeutics: History, Opportunity and Challenges
Speaker4	20' Do Yon Kim (GenKOre)	Self-sufficient minimalism in CRISPR technology: Target with TaRGET
Speaker5	25' Hu-Nan Sun (Heilongjiang Bayi Agricultural University)	Anti-cancer property of non-thermal plasma activated medium in lung cancer stem-like cell by targeting peroxiredoxin 5

**ST7 - Korea Swiss BioHealth Symposium on Multiscale Visualization of Biomolecular Complexes**Organized by 

May 28th(Tue), 15:30-17:30, Exhibition Center 1, Room 213

KAIST 생명과학과 송지준 교수 연구실

Organizer &amp; Chair Ji-Joon Song (KAIST)

Speaker1	25' Joerg Bewersdorf (Yale University)	All-optical Super-resolution Imaging of Molecules in Their Nanoscale Cellular Context
Speaker2	25' Inwha Baek (Kyung Hee University)	Single-molecules Studies of RNA Polymerase II transcription initiation
Speaker3	25' Won-Ki Cho (KAIST)	Topological formation of transcriptional condensates relative to subnuclear compartments
Speaker4	20' Taekyung Jeong (KAIST)	Structural basis of histone nuclear import inhibition by histone mimetic helix on Codanin-1
Speaker5	25' Matteo Dal Peraro (Swiss Federal Institute of Technology Lausanne)	A "Protein Structure Transformer" for integrative structural biology and molecular design

**ST8 - K-MEDI hub를 활용한 신약개발 사업화 사례**Organized by 

May 28th(Tue), 15:30-17:30, Exhibition Center 1, Room 311&amp;312

K-MEDI hub (대구경북첨단의료산업진흥재단)

Organizer &amp; Chair Jisun Oh (K-MEDI hub), Sang-Hyun Min (K-MEDI hub)

Speaker1	30' Sung-Min Ahn (Immunoforge)	KF1601, a dual inhibitor of BCR::ABL1 and FLT3, overcomes drug resistance in FLT3+ blast phase chronic myeloid leukemia
Speaker2	30' Seong-Gu Ro (Pimed Bio)	Discovery of PMB212, a Cancer Stemness Blocking Agent inhibiting Pin1 through Collaboration of Academia and Biotech Company
Speaker3	20' Kyung-Jin Min (K-MEDI hub)	Harnessing the Power of K-MEDI hub to Overcome the Death Valley of New Drug Development
Speaker4	20' Boksik Cha (K-MEDI hub)	Collaborating for Innovation: A New Era in Drug Development with K-MEDIhub
Speaker5	20' Jisun Oh (K-MEDI hub)	Establishment of an Ecosystem for Utilization of Human Stem Cell ATLAS

**ST9 - 생화학과 한의학의 융합 (Integration of Biochemistry and Korean Medicine)**

Organized by



May 28th(Tue), 15:30-17:30, Exhibition Center 1, Room 313

부산대 한의과대학/건강노화 한의과학 연구센터

Organizer Ki-Tae Ha (Pusan National University)

Chair Kim Sang Chan (Daegu Haany University), Yung Hyun Choi (Dong-eui University)

Speaker1	30' Sungjoo Park (Wonkwang University)	NAD(P)H Quinone Oxidoreductase (Nqo1), a Friend or Foe, in Chronic Pancreatitis
Speaker2	30' Mee-Hyun Lee (Dongshin University)	Connection of Traditional Korean Medicine and Gut Microbiome
Speaker3	30' Younghoon Go (Korea Institute of Oriental Medicine)	The therapeutic effects of Korean medicine formulation BHS on APOE4-derived Alzheimer's disease
Speaker4	30' Son Chang Gue (Daejeon University)	Navigating Complexity Beyond Fatigue: A Not-So-Simple Journey