

Program					August 13, 2019				
Room		321		322-323		326		324-325	
09:00~17:40		Registration							
09:20~10:20		Young Scientist 1 좌장: 최윤식(경성대) 석혜연(부산대) 김석(계명대) 김민혜(동아대)		Special Symposium 취업창업 특강 좌장: 배재호 (부산대) 정환두(경성대)		Young Scientist 2 좌장: 하영래 (HK항노화연구소) 김민주(강원대) 김민정(고신대) 천혜진(대구가톨릭대)		Young Scientist 3 좌장: 이동형(부산의대) 심예지(계명의대) 김은아(영남의대) 이정은(인제의대)	
10:20~10:30		Coffee Break							
10:30~11:30		Special Lecture 1 좌장: 이상현(신라대) Kaoru Takegawa (규슈대) 좌장: 광이섭(동의대) 박송영(Univ. of Nebraska at Omaha)		Special Lecture 2 좌장: 이승형(강원대) Kato Keiko (교토산업대) 좌장: 허만규(동의대) 윤제현(Medical Univ. of South Carolina)		Special Lecture 3 좌장: 도형기(한동대) Kazuhiro Kogure (동경대대기해양연구소) 좌장: 이한승(신라대) 강성균 (한국해양과학기술원)		Special Lecture 4 좌장: 신진홍(부산의대) 노태영(포항공대) 유한욱(울산의대)	
11:30~12:00		Poster Presentation 1 (5A)							
12:00~13:00		Lunch							
13:00~13:40		Award Lecture (321) 허만규 (동의대) Peptide A, Derived from Abalone, Has Anti-inflammatory Effects on LPS-stimulated RAW264.7 Cells through Inhibiting ERK/MARK and NF-κB Pathway 좌장: 안순철(부산대)							
13:40~13:50		Coffee Break							
13:50~14:30		Plenary Lecture 1 (5A) 윤완희(Oklahoma Medical Research Foundation) Unraveling Mechanisms for Harel-Yoon Syndrome Caused by ATAD3A Mutations 좌장: 전종근(부산의대)							
14:30~15:10		Plenary Lecture 2 (5A) Kazuhiko Uchida(Univ. of Tsukuba) Serum Levels of Proteins Involved in Amyloid-β Clearance are Related to Cognitive Decline and Neuroimaging Changes in Mild Cognitive Impairment 좌장: 김영덕(한국유전자정보연구원 소장)							
15:10~15:40		Poster Presentation 2 (5A)						Symposium 4 Therapeutic Approaches to Genetic Disease 좌장: 이준화(성균관의대) 김경미(고려의대) 박범준(부산대) 좌장: 신용범(부산의대) 이재혁(부산의대) 이재민(부산의대) 박정아(Memorial Sloan Kettering Cancer Center, New York)	
15:40~17:40		Symposium 1 Recent Research Trends of Bio-Materials 좌장: 최영환(부산대) 김명후(부산대) 박기훈(경상대) 좌장: 김미향(신라대) 김현웅(국립농업과학원) 안지윤(한국식품연구원)		Symposium 2 Alzheimer's Disease & Prevention 좌장: 석대현(인제대) 박경원 (부산시 광역치매센터장) 진희경(경북대) 좌장: 권오유(충남대) 김대욱(양산부산대병원) 문일수(동국대)		Symposium 3 Cancer and Pulmonary Disease Researches: from Basic to Clinical Use 좌장: 류광현(경북대) 이주미(인제대) 정지영(고신대) 좌장: 예성수(인제대) 주명수(부산대) 김동은(건국대)			
18:00~20:30		Welcome Reception (5A) 사회: 강재선(경성대), 연주단: 문일수(동국대), 김종국(경북대)							

Program August 14, 2019				
Room	321	322-323	326	324-325
09:00~11:00	Symposium 5 Current Topics in Gene Regulation 좌장: 김경민(경북대) 송영훈(아주대) 빈범호(아주대) 좌장: 김선태(부산대) 김진해(DGIST) 손은정(동아대)	Symposium 6 Advancement of Food Science and Microbiology 좌장: 손호용(안동대) 이태진(영남대) 조영은(안동대) 좌장: 갈상완(경남과기대) 김용식(순천향대) 반재구(KRIBB)	Young Scientist 4 좌장: 최영주(신라대) 김재호(동의대) 김진남(경성대) 라히미 에리안(부경대) 좌장: 조영수(동아대) 유경민(동서대) 정유성(경성대) 김영록(한동대)	Symposium 7 Seminar for Practical Considerations of Variant Interpretation 좌장: 정우영(인제의대) 이현주(연대의대) 심예지(계명대의대) 황수경(경북대의대) 좌장: 박지권(경상대의대) 오승환(인제의대) 김인숙(부산대의대)
11:00~11:30	Poster Presentation 3 (5A)			
11:30~12:10	Plenary Lecture 3 (5A) Enoch Y. Park(Shizuoka Univ.) Silkworm Biofactory as Life Science Platform 좌장: 주우홍(창원대)			
12:10~13:00	General Assembly and Closing Ceremony (5A) 사회: 강재선(경성대)			Closing Ceremony (324-325)

Award Lecture

Chairman: Soon Cheol Ahn (Pusan National University, Korea)

Aug 13 (Tue) 13:00~13:40, 321

Man Kyu Huh (Dong-Eui University, Korea)

2019 Academy Award, Korean Society of Life Science

Peptide A, Derived from Abalone, Has Anti-inflammatory Effects on PS-stimulated RAW264.7 Cells through Inhibiting ERK/MARK and NF- κ B Pathway

Plenary Lectures

Plenary Lecture 1

Aug 13 (Tue) 13:50~14:30, 5A

Chairman: Chong Kun Cheon (Pusan National University School of Medicine, Korea)

Wan Hee Yoon (Oklahoma Medical Research Foundation, USA)

Unraveling Mechanisms for Harel-Yoon Syndrome Caused by ATAD3A Mutations

Plenary Lecture 2

Aug 13 (Tue) 14:30~15:10, 5A

Chairman: Young-Deug Kim (Korea Genome Information Institute, Korea)

Kazuhiko Uchida (University of Tsukuba, Japan)

: Serum Levels of Proteins Involved in Amyloid- β Clearance are Related to Cognitive Decline and Neuroimaging Changes in Mild Cognitive Impairment

Plenary Lecture 3

Aug 14 (Wed) 11:30~12:10, 5A

Chairman: Woo Hong Joo (Changwon National University, Korea)

Enoch Y. Park (Shizuoka University, Japan)

: Silkworm Biofactory as Life Science Platform

Special Lectures

Special Lecture 1

Aug 13 (Tue) 10:30~11:30
321

Chairman: Sang-Hyeon Lee (Silla University, Korea)
Yi-Sub Kwak (Dong-Eui University, Korea)

- (1) **Kaoru Takegawa** (Kyushu University, Korea)
: Production of Heterologous Glycoproteins in Fission Yeast and Transglycosylation of Complex-type Oligosaccharides Using Microbial Endoglycosidases
- (2) **Song-young Park** (University of Nebraska at Omaha, USA)
: Attenuated Oxygen Transport Capacity and Vascular Mitochondrial Dysfunction in Aging and Disease

Special Lecture 2

Aug 13 (Tue) 10:30~11:30
322-323

Chairman: Seunghyung Lee (Kangwon National University, Korea)
Man Kyu Huh (Dong-Eui University, Korea)

- (1) **Keiko Kato** (Kyoto Sangyo University, Japan)
: Neuropsychiatric Disorders Induced by Metabolic Loading and Sialylation
- (2) **Je-Hyun Yoon** (Medical University of South Carolina, USA)
: Long Noncoding RNA and Glucose Metabolism in Breast Cancer

Special Lecture 3

Aug 13 (Tue) 10:30~11:30
326

Chairman: Hyung Ki Do (Handong Global University, Korea)
Han-Seung Lee (Silla University, Korea)

- (1) **Kazuhiro Kogure** (Atmosphere and Ocean Research Institute, The University of Tokyo, Japan)
: Marine Bacterial Photoheterotrophy - New Mechanism to Acquire Light Energy
- (2) **Sung Gyun Kang** (Korea Institute of Ocean Science and Technology, Korea)
: One Carbon-based Biohydrogen Using *Thermococcus onnurineus* NA1

Special Lecture 4

Aug 13 (Tue) 10:30~11:30
324-325

Chairman: Jin-Hong Shin (Pusan National University School of Medicine, Korea)

- (1) **Tae-Young Roh** (POSTECH, Korea)
: Organoid Technology and Genomic Evaluation in Gastrointestinal Disease Modeling
- (2) **Han-Wook Yoo** (University of Ulsan College of Medicine, Korea)
: Rare Genetic Disorders; Beyond the Diagnosis, Development of Orphan Drugs for the Cure

Special Symposium

Special Symposium

Aug 13 (Tue) 09:20~10:20
322-323

Chairman: Jaeho Bae (Pusan National University, Korea)

- (1) **Hwan-Doo Jung** (Kyungsung University, Korea)
: Contribution to Job Creation by Boosting Start-ups through Understanding and Mind-raising on Start-ups

Symposium

Symposium 1 Recent Research Trends of Bio-Materials

Aug 13 (Tue) 15:40~17:40
321

Chairman: Young Whan Choi (Pusan National University, Korea)
Mihyang Kim (Silla University, Korea)

- (1) **Myunghoo Kim** (Pusan National University, Korea)
: Gut Microbial Metabolites, Short Chain Fatty Acids, Fuel Host Antibody Responses
- (2) **Ki Hun Park** (Gyeongsang National University, Korea)
: Metabolite Farming to Isoflavone Riched Soybean Leaves Called as Fabaton®
- (3) **Heon-Woong Kim** (Rural Development Administration, Korea)
: Construction and Applications of Flavonoid and Phenolic Acid Database from Korean Agro-foods Using Mass Technology
- (4) **Jiyun Ahn** (Korea Food Research Institute, Korea)
: Polyphenol Ameliorates Non-alcoholic Fatty Liver Disease Through the Modulating of miRNAs

Symposium 2 Alzheimer's Disease & Prevention

Aug 13 (Tue) 15:40~17:40
322-323

Chairman: Dae-Hyun Seog (Inje University, Korea)
O-Yu Kwon (Chungnam National University, Korea)

- (1) **Kyung Won Park** (Dong-A University Hospital, Korea)
: Current Status of Treatment and Prevention Strategies in Patients with Dementia
- (2) **Hee Kyung Jin** (Kyungpook National University, Korea)
: Neuronal SphK1 Acetylates COX2 and Contributes to Pathogenesis in a Model of Alzheimer's Disease
- (3) **Dae-Wook Kim** (Pusan National university Yangsan Hospital, Korea)
: Prevention of Dementia : Clinical Aspect
- (4) **Il Soo Moon** (Dongguk University, Korea)
: Brain Neurons and Prevention Strategies for Neurodegenerative Diseases

Symposium 3 Cancer and Pulmonary Disease Researches: from Basic to Clinical Use

Aug 13 (Tue) 15:40~17:40
326

Chairman: Kwang-Hyeon Liu (Kyungpook National University, Korea)
Sung Su Yea (Inje University, Korea)

- (1) **Joo Mi Yi** (Inje University College of Medicine, Korea)
: Cancer Epigenetics: from Basic to Clinical Use
- (2) **Jee-Yeong Jeong** (Kosin University College of Medicine, Korea)
: Erythropoietin and Its Receptor in Diffuse Large B Cell Lymphomas
- (3) **Myungsoo Joo** (Pusan National University, Korea)
: Autophagy Decreased by Alisol B Acetate is Associated with the Amelioration of Chronic Obstructive Pulmonary Disease in Mice
- (4) **Dong-Eun Kim** (Konkuk University, Korea)
: Double Aptamer-conjugated Liposome for Targeted Anti-cancer Drug Delivery to 3D Cultured Breast Cancer Cells and Cancer Stem Cells

Symposium 4 Therapeutic Approaches to Genetic Disease

Aug 13 (Tue) 15:40~17:40
324-325

Chairman: Jun Hwa Lee (Sungkyunkwan University School of Medicine, Korea)
Yong-Beom Shin (Pusan National University School of Medicine, Korea)

- (1) **Kyoungmi Kim** (Korea University College of Medicine, Korea)
: Highly Efficient RNA-guided Base-editing in Genetic Disease
- (2) **Bum-Joon Park** (Pusan National University, Korea)
: Optimized Progerin-Lamin A Binding Inhibitor, Progerinin, Ameliorates Premature Senescence Phenotypes of Hutchinson Gilford Progeria Syndrome and Werner Syndrome
- (3) **Jae-Hyeok Lee** (Pusan National University School of Medicine, Korea)
: Iron Chelation Therapy for the Treatment of NBIA (Neurodegeneration with Brain Iron Accumulation) Disorders: As Iron Goes, So Goes Disease?
- (4) **Jae Meen Lee** (Pusan National University School of Medicine, Korea)
: Neurosurgical Treatment Options for Genetic Diseases
- (5) **Jeong A Park** (New York Memorial Sloan Kettering Cancer Center, USA)
: Immunotherapy Targets and Antibody-based Immunotherapy for Neuroblastoma

Symposium 5
Current Topics in Gene Regulation

Aug 14 (Wed) 09:00~11:00
321

Chairman: Sun Tae Kim (Pusan National University, Korea)
Kyung-Min Kim (Kyungpook National University, Korea)

- (1) **Young Hun Song** (Ajou University, Korea)
: Molecular Basis of Flowering Time Regulation in Arabidopsis under Natural Environmental Conditions
- (2) **Bum-Ho Bin** (Ajou University, Korea)
: Zinc Transporter ZIP10 is Crucial for Epidermal Development and Homeostasis by Regulating Transcription Factors and Epigenetic Enzymes
- (3) **Jin Hae Kim** (DGIST, Korea)
: The Structural Features of Transthyretin in Its Aged Aggregation-prone State
- (4) **Eun Jung Sohn** (Dong-A University, Korea)
: CNOT2 Promotes Proliferation and Angiogenesis via VEGF Signaling in MDA-MB-231 Breast Cancer Cells

Symposium 6
Advancement of Food Science and Microbiology

Aug 14 (Wed) 09:00~11:00
322-323

Chairman: Ho-Yong Sohn (Andong National University, Korea)
Sang Wan Gal (Gyeongnam National University of Science and Technology, Korea)

- (1) **Tae-Jin Lee** (Yeungnam University, Korea)
: Mechanisms of Tumor Suppressor miRNAs in the Renal Cancer Cell
- (2) **Young-Eun Cho** (Andong National University, Korea)
: Novel Mechanisms for Increased Gut Leakiness, Systemic Endotoxemia and Inflammatory Liver Injury by Binge Alcohol or Fructose Exposure
- (3) **Yong-Sik Kim** (Soonchunhyang University, Korea)
: New Strategies against Obesity
- (4) **Jae-Gu Pan** (KRIBB, Korea)
: Bacillus Spores: From Probiotic Nutrition to Microbiome Therapy

Symposium 7
Seminar for Practical Considerations of Variant Interpretation

Aug 14 (Wed) 09:00~11:00
324-325

Chairman: Woo Yeong Chung (Inje University College of Medicine, Korea)
Ji-Kwon Park (Gyeongsang National University School of Medicine, Korea)

- (1) **Hyun Joo Lee** (Yonsei University College of Medicine, Korea)
: ACTG2 Deletion Variant-related Visceral Myopathy
- (2) **Ye Jee Shim** (Keimyung University School of Medicine, Korea)
: An intronic Variant at a Splice-site (c.5170+5G>A) of VWF Gene Causes exon 29 Skipping in a Patient with von Willebrand Disease
- (3) **Su Kyeong Hwang** (Kyungpook National University School of Medicine, Korea)
: A Novel SLC25A15 Mutation Associated with HHH Syndrome
- (4) **Seung Hwan Oh** (Inje University College of Medicine, Korea)
: ACMG, AMP, CAP Recommendation: Guidelines for Validating NGS Bioinformatics
- (5) **In-Suk Kim** (Pusan National University School of Medicine, Korea)
: Recommendation of the AMP, ASCO, and CAP: Standards and Guidelines for the Interpretation and Reporting of Sequence Variants in Cancer

Young Scientist Session

Young Scientist 1

Aug 13 (Tue) 09:20~10:20
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Chairman: Yun-Sik Choi (Kyungshung University, Korea)

- (1) **Hye-Yeon Seok** (Pusan National University, Korea)
: Functional Characterization of Non-tandem CCCH Zinc Finger Protein Genes in Abiotic Stress Response and Development in Arabidopsis
- (2) **Seok Kim** (Keimyung University, Korea)
: USP1 Inhibition Enhances TRAIL-mediated Apoptosis Through DR5 Up-regulation and Surviving Down-regulation
- (3) **Min-Hye Kim** (Dong-A University, Korea)
: Influence of Antiplatelet Agents on Proliferation and Migration of Colon Cancer Cells

Young Scientist 2

Aug 13 (Tue) 09:20~10:20
326

Chairman: Yeong Lae Ha (HK Antiaging Institute, Korea)

- (1) **Minju Kim** (Kangwon National University, Korea)
: Identification of Korean Thyme (Bakrihyang) and Effects of Its Essential Oil on Human Electroencephalographic Activity
- (2) **Min-Jung Kim** (Kosin University College of Medicine, Korea)
: Effects of Imatinib on PDGFR-positive Diffuse Large B Cell Lymphoma (DLBCL) Cells
- (3) **Hye Jin Cheon** (Daegu Catholic University, Korea)
: Pristimerin, a Triterpenoid Isolated from Celastraceae and Hippocrateaceae, Has Anti-cancer Effects on Human Ovarian Cancer Cells via Inducing Cell Cycle Arrest and Apoptosis

Young Scientist 3

Aug 13 (Tue) 09:20~10:20
324-325

Chairman: Dong Hyung Lee (Pusan National University School of Medicine, Korea)

- (1) **Ye Jee Shim** (Keimyung University School of Medicine, Korea)
: Thrombocythemia 1 with *THPO* Mutation (c.13+1G>A): First Report of a Case with Thrombocythemia 1 in Korea
- (2) **Eun A Kim** (Yeungnam University College of Medicine, Korea)
: Nephrotic Syndrome Developed in a Girl with Lipoid Adrenal Hyperplasia due to *STAR* Gene Mutation - First Report
- (3) **Jeong Eun Lee** (Inje University College of Medicine, Korea)
: Chondrodysplasia with Congenital Joint Dislocation, *CHST3* Type with Mitral Valve Regurgitation in a Korean Girl: a Novel Compound Heterozygous Mutations

Young Scientist 4

Aug 14 (Wed) 09:00~11:00
326

Chairman: Young Ju Choi (Silla University, Korea)
Young-Su Cho (Dong-A University, Korea)

- (1) **Jae Ho Kim** (Dong-Eui University, Korea)
: Melanogenesis Gene Knockout in Melanocyte Using CRISPR/Cas9 System
- (2) **Jinnam Kim** (Kyungshung University, Korea)
: Comparative Analysis of Microbiomes of Thrips in the Western Asia-Pacific Region
- (3) **Aryan Rahimi-Midani** (Pukyong National University, Japan)
: Characterization and Application of Newly Isolated Bacteriophages Against *Acidovorax citrulli*
- (4) **Kyung-Min Rheu** (Dongseo University, Korea)
: Optimal Cultivation Method and Parameter for *Sparassis crispa*
- (5) **Yuseong Chung** (Kyungshung University, Korea)
: Physiological Activities of Bioconversion Purified-Products Using *Bacillus subtilis* KJ-3 and Their Mixtures
- (6) **Young-Rok Kim** (Handong Global University, Korea)
: Effect of Probiotic on Complement Immune System in *Halocynthia roretzi*