

Molecular Frontiers, Cellular Horizons

2024 International Conference

Korean Society for Molecular and Cellular Biology

October 8^{Tue} - 11^{Fri}, 2024

International Convention Center (ICC) Jeju, Korea

Plenary Lectures



G protein coupled receptors: Challenges and new approaches to drug discovery

Brian Kobilka

Stanford University School of Medicine, USA
*2012 Nobel Laureate



Emergent RNA life

Andrew Z. Fire

Stanford University, USA
*2006 Nobel Laureate



Harnessing natural product pathways

Sarah E. O'Connor

Max Planck Institute for Chemical Ecology
Germany



Promise of genetic medicine

James Wilson

University of Pennsylvania, USA

Symposia

- ◆ Organizing principles of diverse neural circuits
- ◆ Young investigators in Women's Bioscience Forum
- ◆ Research advances in RB1- deficient pediatric cancers
- ◆ Genetic control of immune diseases
- ◆ Plant RNA biology
- ◆ Understanding GPCRs: Structure, signaling, and drug discovery
- ◆ Beyond the senescence (BTS)
- ◆ mRNA technology for infectious diseases
- ◆ Molecular mechanisms and host recognition of bacterial toxins
- ◆ Marine life disease and control strategies
- ◆ Epigenetics and disease
- ◆ Natural product synthesis
- ◆ Host-microbiome interactions in health and disease
- ◆ Immunometabolism in infection and immunity
- ◆ Intracellular organelle biology
- ◆ Non-model plant remodeling
- ◆ Molecular insights into mouse models for human diseases
- ◆ Gene regulation: from RNA epigenomics to co-translational control
- ◆ Tumor microenvironment and therapeutics
- ◆ Korea BioData Station (K-BDS)
- ◆ Stem cell/Organoid
- ◆ Therapeutics for sensory disorders
- ◆ Obesity-related metabolic disease: Basic to translational science
- ◆ Advances in therapeutic application of gene therapy

Award Lectures

- ◆ KSMCB life science award/KSMCB M&C award
- ◆ KSMCB award for women in life science
- ◆ KSMCB Wunbong academic award
- ◆ Ilchun memorial lecture
- ◆ AMOREPACIFIC great global next generation research award
- ◆ MERCK 350 future researcher award
- ◆ Lee Se Yong outstanding Ph.D. thesis award
- ◆ Excellent poster award
- ◆ KSMCB young investigator research award
- ◆ KSMCB travel grant award

Organization

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 Korean Federation of Science & Technology Societies

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