

# A Journey to the Wonders of Life

2023 International Conference

# Korean Society for Molecular and Cellular Biology

November 6<sup>Mon</sup> – 8<sup>Wed</sup>, 2023

International Convention Center (ICC) JEJU, KOREA

## Plenary Lectures



**How do you feel?  
The molecules that sense touch**

**Ardem Patapoutian**

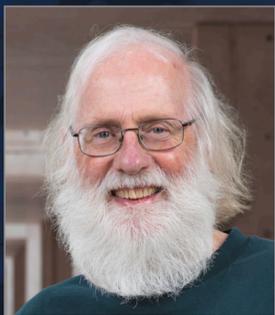
Scripps Research/Howard Hughes Medical Institute (HHMI), USA  
**\*2021 Nobel Laureate**



**Genes from the fountain of youth**

**Cynthia Kenyon**

Calico Life Sciences LLC, USA



**A journey from phosphotyrosine to phosphohistidine and what it has revealed about cancer mechanisms**

**Tony Hunter**

Salk Institute for Biological Studies, USA



**Inner workings of microbial ion channels: surprising discoveries and new opportunities**

**Karl Deisseroth**

Stanford University/Howard Hughes Medical Institute (HHMI), USA

## Symposia

- ◆ Plant-environmental interaction
- ◆ Young investigators in Women's Bioscience Forum
- ◆ Mitonuclear communication
- ◆ Translational research on cancer and inflammation
- ◆ Understanding evolution through the lens of genomics
- ◆ Functional diversity of RNA species
- ◆ Organelle stress and application to human diseases
- ◆ Microenvironmental regulation to tumor progression and metastasis
- ◆ Metabolic diseases: from mouse models to human therapeutics
- ◆ Recent advances in stem cell biology
- ◆ Plant circadian clock: protein dynamics and stress response
- ◆ Neural circuit and cognitive behavior
- ◆ Industry-academia collaboration symposium
- ◆ Vision restoration: past and future
- ◆ Functional characterization of rare Mendelian diseases
- ◆ Enabling technologies for microbiome structure and function
- ◆ Cellular signaling by primary cilia in development and disease
- ◆ Frontiers in cancer cell signaling and metabolism
- ◆ The biology of viral infection: host interactions and pathogenesis
- ◆ Forces in biology
- ◆ Genomic impact of transposable elements
- ◆ Neurobiology of emotional and reward memory
- ◆ Bone and cartilage biology and diseases
- ◆ Single-cell immuno-oncology

## Award Lectures

- ◆ KSMCB Academic Research Award: KSMCB Life Science Award/KSMCB M&C Award
- ◆ KSMCB Award for Women in Life Science
- ◆ KSMCB Presidential Lecture Award
- ◆ Ilchun Memorial Lecture
- ◆ Macrogen Scientist Award
- ◆ 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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