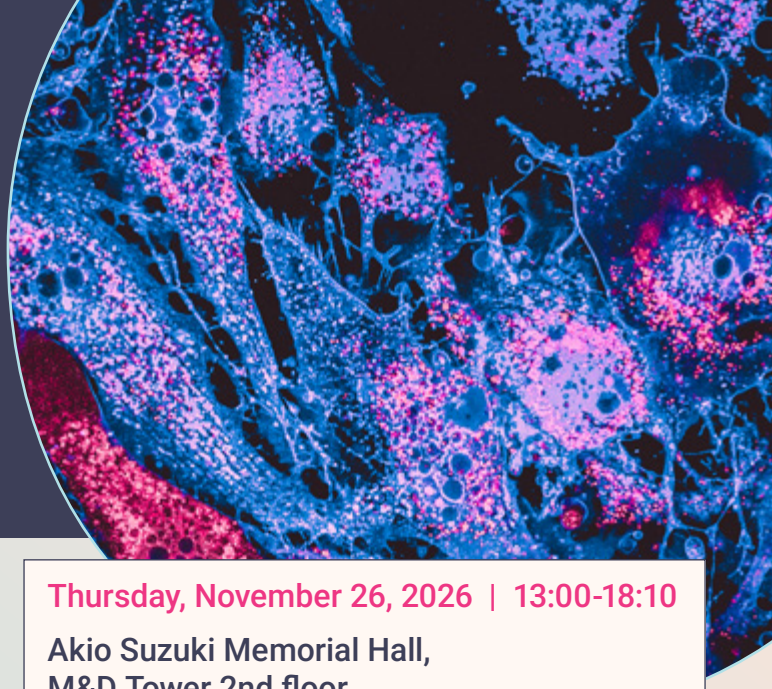
24th
Surugadai International Symposium

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1st
CURE International Symposium on Multilayered Stress Diseases

JOINT SYMPOSIUM



From Mechanosensing to Stress Responses: Deciphering Biological Regulation Across Molecular, Cellular, and Organismal Scales

Thursday, November 26, 2026 | 13:00-18:10

Akio Suzuki Memorial Hall,
M&D Tower 2nd floor,
Institute of Science Tokyo

1-5-45 Yushima, Bunkyo-ku, Tokyo, Japan

13:00—13:05 OPENING REMARKS

Dr. Takehiko Sasaki *(Director, Medical Research Laboratory, Institute of Science Tokyo)*

Moderated by Dr. Fumika Koyano *(Institute of Science Tokyo)*

13:05—15:20 SESSION 1

Chaired by Drs. Katsumori Segawa and Toshiro Moroishi *(Institute of Science Tokyo)*

13:05—13:50 KEYNOTE LECTURE 1

Structural Choreography and Mechanogating of PIEZO Channels

Dr. Bailong Xiao *(Tsinghua University)*

13:50—14:20 TALK 1

Activation Mechanisms of TMEM63B, a Mechanosensitive Lipid Scramblase

Dr. Yugo Miyata *(Institute of Science Tokyo)*

14:20—14:50 TALK 2

Dynamic Tissue Mechanics across Life Stages

Dr. Fumiko Toyoshima *(Institute of Science Tokyo)*

14:50—15:20 TALK 3

Born to Move: Mechanotransduction and the Biology of Athletic Giftedness

Dr. Hiroshi Asahara *(Institute of Science Tokyo)*

15:20—15:50 COFFEE BREAK

15:50—18:05 SESSION 2

Chaired by Drs. Shusaku Uchida and Hiroki Shiwaku *(Institute of Science Tokyo)*

15:50—16:35 KEYNOTE LECTURE 2

From Pecking Order to Ketamine: Neural Mechanism of Emotion and Social Behavior

Dr. Hailan Hu *(Zhejiang University School of Medicine)*

16:35—17:05 TALK 4

Neuro-Immuno-Metabolic Mechanisms of Stress in Mental Illness

Dr. Tomoyuki Furuyashiki *(Institute of Science Tokyo)*

17:05—17:35 TALK 5

Sustaining Microglial Reparative Function Enhances Stroke Recovery

Dr. Jun Tsuyama *(Institute of Science Tokyo)*

17:35—18:05 TALK 6

The Channel Synapse: From Discovery to Biological Function

Dr. Akiyuki Taruno *(Kyoto University)*

18:05—18:10 CLOSING REMARKS

Dr. Katsumori Segawa *(Institute of Science Tokyo)*

Jointly organized by: The 24th Surugadai International Symposium Organizing Committee and the CURE Multilayered Stress Diseases

CURE: Coalition of Universities for Research Excellence Program, MEXT Promotion of Development of a Joint Usage/Research System Project

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