



## Program

**Monday, October 28**

### Registration

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8:00 -

### Opening Remarks

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8:45 - 9:00 Kohei Miyazono (The University of Tokyo, Japan)

### Session 1. TGF- $\beta$ Signaling 1

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Chair : Carl-Henrik Heldin (Uppsala University, Sweden)

9:00 - 9:30 Carl-Henrik Heldin (Uppsala University, Sweden)  
Signaling via TGF- $\beta$  receptors

9:30 - 10:00 Kohei Miyazono (The University of Tokyo, Japan)  
TGF- $\beta$  signaling in the induction of EMT

10:00 - 10:30 Susumu Itoh (Showa Pharmaceutical University, Japan)  
Fine tuning of TGF- $\beta$  signaling by negative regulators

### Group Photo

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10:30 - 10:45

### Poster Viewing 1 / Coffee Break

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10:45 - 11:45

### Technical Seminar 1

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12:00 - 13:00 Chair : Nobuaki Takemori (Ehime University, Japan)

- 1-1 Nobuaki Takemori (Ehime University, Japan)  
Quantitative Technologies for Mass Spectrometry-Based Proteomics Research  
cosponsor : Sigma-Aldrich Japan G.K.  
CellFree Sciences Co., Ltd.
- 1-2 Takeshi Shibata (Proteomics Group Manager, Senior Application Specialist, K.K. AB SCIEX)  
MS/MS<sup>ALL</sup> with SWATH<sup>™</sup> Acquisition for Global Quantitative Phosphoproteomics using the TripleTOF<sup>™</sup> 5600+ System  
cosponsor : K.K. AB SCIEX



## I Program

### **Session 2. TGF- $\beta$ signaling 2**

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Chair : Peter ten Dijke (Leiden University, the Netherlands)

13:00 - 13:30 Peter ten Dijke (Leiden University, the Netherlands)  
Nuclear receptor NR4A1 in TGF- $\beta$  signaling

13:30 - 14:00 Keiji Miyazawa (University of Yamanashi, Japan)  
Cell response-selective regulation of Smad signaling

14:00 - 14:30 Mitsuyasu Kato (University of Tsukuba, Japan)  
Tumorigenic activity of TMEPAI and MafK

### **Poster Viewing 2 / Coffee Break**

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14:30 - 15:30

### **Session 3. Short talks (selected from poster abstracts)**

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Chair : Kristian Pietras (Lund University, Sweden)

15:30 - 15:50 Shingo Maeda (Kagoshima University) (Poster 03)

15:50 - 16:10 Masato Morikawa (Uppsala University) (Poster 04)

16:10 - 16:30 Tadayoshi Hayata (Tokyo Medical & Dental University) (Poster 07)

16:30 - 16:50 Noopur Thakur (Ludwig Institute for Cancer Reserch) (Poster 22)

16:50 - 17:10 Ryota Takahashi (The University of Tokyo) (Poster 36)

17:10 - 17:30 Makoto Hayashi (The University of Tokyo) (Poster 38)

### **Noh stage 'Maibayashi'**

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18:30 - 18:45

### **Banquet**

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18:45 - 20:45



## Program

**Tuesday, October 29**

### Registration

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8:00 -

### JSPS Core-to-Core Business Meeting

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8:10 - 8:40

### Session 4. Beyond TGF- $\beta$

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Chair : Shigeki Higashiyama (Ehime University, Japan)

9:00 - 9:30 Shigeki Higashiyama (Ehime University, Japan)

Cullin3 E3 ubiquitin ligase regulates angiogenesis through the multiple protein turn-over.

9:30 - 10:00 Kristian Pietras (Lund University, Sweden)

Therapeutic targeting of ALK1 in metastatic breast cancer

10:00 - 10:30 Tetsuro Watabe (Tokyo University of Pharmacy and Life Sciences)

Roles of signal and transcriptional networks during the mesenchymal transition of endothelial cells

### Poster Award / Coffee Break

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10:30 - 11:00

### Satellite Symposium 1 (JST, CREST)

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Chair : Tadashi Itoh (Osaka University, Japan)

11:00 - 11:30 Takeshi Imamura (Ehime University, Japan)

*In vivo* cancer imaging by multi-photon microscopy

11:30 - 12:00 Clemens Löwik (Leiden University, the Netherlands)

New tools and their applications for whole body optical imaging and multi-modal imaging.

12:00 - 12:30 Kenichi Ohki (Kyushu University, Japan)

Development of visual functions; nature vs nurture.



## I Program

### Technical Seminar 2

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12:30 - 13:30

Chair : Tadahiro Imura (Ehime University, Japan)

- 2-1 Yoshiro Oikawa (General Manager, Application Engineering Department, Bioscience Sales Division, Nikon Instech Co., Ltd.)  
Deep *in vivo* imaging with multi-photon microscope  
cosponsor : NIKON INSTECH CO., LTD.
- 2-2 Eric Fung Chen (Asia Pacific Head of Sales, Andor Technology PLC)  
Optical Manipulation and Imaging of Living Cells  
cosponsor : Andor Technology plc.
- 2-3 Ryo Shioda (Senior Application Specialist, Imaging Team, Life Sciences and Technology, PerkinElmer Japan Co., Ltd.)  
Image Measurements on Cell, Tissue and Animal  
cosponsor : PerkinElmer Japan Co., Ltd.

### Satellite Symposium 2 (MEXT)

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Chair : Takeshi Imamura (Ehime University, Japan)

13:30 - 14:00

Michiyuki Matsuda (Kyoto University, Japan)  
Intravital Imaging of Signal Transduction Pathways

14:00 - 14:30

Hisataka Kobayashi (NCI/NIH, USA)  
Molecular cancer imaging and therapy: an integrated technology

14:30 - 15:00

Takaharu Okada (RIKEN, Japan)  
Imaging of dendritic cells important for cytotoxic T cells

### Special Lecture (MEXT)

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Chair : Michiyuki Matsuda (Kyoto University, Japan)

15:00 - 15:40

Atsushi Miyawaki (RIKEN, Japan)  
Cruising inside X

### Closing Remarks

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15:40 - 16:00

Michiyuki Matsuda (Kyoto University, Japan)