



Program

The 1st International Symposium by JSPS Core-to-Core Program "Cooperative International Framework in TGF- β Family Signaling" TGF- β Family: Signal Network in Biological Functions

.....**Monday, January 23**.....

Registration

8:45 - 16:00 Registration desk

Opening Remarks

9:15 - 9:30 Kohei Miyazono (University of Tokyo, Japan)

Session 1. Molecular mechanisms of TGF- β family signaling

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

9:30 - 10:00 Keiji Miyazawa (University of Yamanashi, Japan)
Selective regulation of TGF- β -induced cellular responses

10:00 - 10:30 Aristidis Moustakas (Uppsala University, Sweden)
Regulation of TGF β signaling during the process of epithelial-
mesenchymal transition

10:30 - 11:00 **Poster Viewing / Coffee Break** (Koshiba Hall, University of Tokyo)

11:00 - 11:30 Mitsuyasu Kato (University of Tsukuba, Japan)
TMEPAI in Cancer Cell Biology

11:30 - 12:00 Carl-Henrik Heldin
Non-Smad signaling downstream of TGF- β receptors

Session 2. In vivo imaging

Chair : Clemens Löwik (Leiden University, the Netherlands)

13:30 - 14:00 Clemens Löwik
New tools and models for whole body optical imaging and
translation into the clinic

14:00 - 14:30 Takeshi Imamura (Ehime University, Japan)
In vivo optical imaging of cancer and microenvironment

14:30 - 15:00 **Poster Viewing / Coffee Break**

Session 3. Stem cells

Chair : Tetsu Akiyama (University of Tokyo, Japan)

15:00 - 15:30 Jun-ichiro Inoue (University of Tokyo, Japan)
Critical roles of NF- κ B activation in breast cancer development

15:30 - 16:00 Marie-José Goumans (Leiden University, the Netherlands)
TGF- β signalling in cardiac regeneration

Special Lecture

Chair : Kohei Miyazono

16:00 - 16:35 Rik Derynck (UCSF, U.S.A.)
Activation of TGF- β signaling

16:35 - 18:30 **Group Photo / Poster Session**

19:00 - 21:00 **Banquet** (Hibiya Matsumoto Grill, Faculty of Engineering Bldg.2,
University of Tokyo)

.....**Tuesday, January 24**.....

Registration

8:30 - 11:00 Registration desk

Session 4. Short Talks

Chair : Marie-José Goumans

9:00 - 9:20 Kana Horiguchi (University of Tokyo, Japan)

9:20 - 9:40 Fumiko Itoh (Tokyo University of Pharmacy and Life Sciences, Japan)

9:40 - 10:00 Hideaki Ijichi (University of Tokyo, Japan)

10:00 - 10:30 **Poster Viewing / Coffee Break**

Session 5. TGF- β signaling and vascular and other diseases

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

10:30 - 11:00 Hideyuki Beppu (University of Toyama, Japan)
BMP2-deficient fibroblast cells exhibit augmented NF- κ B
signaling in response to TNF- α

11:00 - 11:30 Susumu Itoh (Showa Pharmaceutical University, Japan)
Role of Smad2 and Smad3 in vascular stability

11:30 - 12:00 Peter ten Dijke
Aberration of TGF- β family signaling in breast cancer

Closing Remarks

12:00 - 12:15 Carl-Henrik Heldin