

Program

Monday, January 12

08:15– **Registration** (International Congress Center EPOCHAL TSUKUBA)
Poster mounting

Opening Remarks

08:50 – 08:55 Mitsuyasu Kato (University of Tsukuba, Japan)

Session 1. Short talks (selected from poster abstracts)

Chair: Shinae Kondoh (Tokyo Institute of Technology, Japan)

09:00 – 09:20 **Yutaro Tsubakihara** (Ehime University, Japan)
(poster no.26) *Arkadia induces ubiquitylation and degradation of Smad6*

09:20 – 09:40 **Kyung-Min Yang** (CHA University, Korea)
(poster no.01) *Cytoplasmic DRAK1 overexpressed in HNSCC cells inhibits TGF- β 1 tumor suppressor activity*

09:40 – 10:00 **Takahiro Kuchimaru** (Tokyo Institute of Technology, Japan)
(poster no.03) *Non-invasive imaging of activation of HIF and TGF- β /Smad signaling in breast cancer progression*

10:00 – 10:20 **Ai Takemoto** (Cancer Chemotherapy Center, JFCR, Japan)
(poster no.37) *Aggrus-induced platelet aggregation promotes tumor metastasis by enhancing EMT*

10:20 – 10:40 **Masamitsu Konno** (Osaka University, Japan)
(poster no.60) *Embryonic MicroRNA-369 regulates pyruvate kinase splicing form by stabilizing translation of splicing*

10:40 – 11:40 **Poster Viewing 1 (odd number) / Coffee Break**

11:40 – 13:00 **Lunch**

Session 2. TGF- β signaling

Chair: Keiji Miyazawa (University of Yamanashi, Japan)

13:00 – 13:30 **Carl-Henrik Heldin** (Uppsala University, Sweden)
Mechanism of TGF β -induced epithelial-mesenchymal transition

13:30 – 14:00 **Aristidis Moustakas** (Uppsala University, Sweden)
Regulation of BMP signaling during cell differentiation in human cancer

14:00 – 14:30 **Mitsuyasu Kato** (University of Tsukuba, Japan)
Roles of MafK and Gpnb in malignant progression of breast cancer

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Special Lecture 1

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

14:30 – 15:10 **Seong-Jin Kim** (CHA University of Medicine and Science, Korea)
Effects of Smad3 linker and C-tail phosphorylation on tumorigenesis and metastasis

15:10 – 16:10 **Poster Viewing 2 (even number) / Coffee Break**

Session 3. Cancer and metabolism-1

Chair: Takeshi Imamura (Ehime University, Japan)

16:10 – 16:40 **Eiji Hara** (Japanese Foundation for Cancer Research, Japan)
Cellular senescence and cancer: a gut microbial connection

16:40 – 17:10 **Hiroyuki Suzuki** (University of Tsukuba, Japan)
Roles of THG-1/Tsc22D4 in squamous cell carcinoma development

Special Lecture 2

Chair: Mitsuyasu Kato (University of Tsukuba, Japan)

17:10 – 17:50 **Hiroaki Suga** (The University of Tokyo, Japan)
Non-traditional drug discovery using artificial macrocycles for cancer therapeutics

Special Remarks

17:50– 18:00 Kohei Miyazono (The University of Tokyo, Japan)

18:00 – 18:10 **Group Photo**

18:20 – 20:30 **Banquet** (International Congress Center EPOCHAL TSUKUBA)

Greetings from the President of University of Tsukuba: Kyosuke Nagata

Poster Award

Program

Tuesday, January 13

08:30 – **Registration** (International Congress Center EPOCHAL TSUKUBA)

Session 3. Cancer and metabolism-2

Chair: Takeshi Imamura (Ehime University, Japan)

08:40 – 09:10 **Hozumi Motohashi** (Tohoku University, Japan)
Functional Nexus between Keap1-Nrf2 System and Cellular Metabolism

Session 4. Hematology and Immunology

Chair: Susumu Itoh (Showa Pharmaceutical University, Japan)

09:10 – 09:40 **Shigeru Chiba** (University of Tsukuba, Japan)
Clonal origin of microenvironmental cells in malignant lymphoma

09:40 – 10:10 **Beate Heissig** (The University of Tokyo, Japan)
The fibrinolytic system modulates the cytokine and cellular environment during cancer progression and chronic inflammation

10:10 – 10:40 **Mizuko Mamura** (Tokyo Medical University, Japan, Kyungpook National University, Korea)
Dynamic Smad signaling networks in immune cell regulation

10:40 – 11:00 **Coffee Break**

Session 5. Genome-wide approach

Chair: Hiroyuki Aburatani (The University of Tokyo, Japan)

11:00 – 11:30 **Hiroyuki Aburatani** (The University of Tokyo, Japan)
Coordinated chromatin regulation by developmental signals during cardiomyocyte differentiation

11:30 – 12:00 **Daizo Koinuma** (The University of Tokyo, Japan)
Identification of Smad regulatory factors through integrated analysis of ChIP-seq data

12:00 – 12:30 **Masafumi Muratani** (University of Tsukuba, Japan)
Ectopic induction of developmental gene regulatory network by cryptic promoters in gastric cancer

12:30 – 13:30 **Lunch**

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Session 6. Angiogenesis

Chair: Yasufumi Sato (Tohoku University, Japan)

13:30 – 14:00 **Marie-José Goumans** (Leiden University, the Netherlands)
Impaired macrophage polarization in endoglin haplo-insufficiency leading to defective tissue repair

14:00 – 14:30 **Tetsuro Watabe** (Tokyo University of Pharmacy and Life Sciences, Japan)
Roles of signal networks during the formation and maintenance of tumor vasculature

14:30 – 15:00 **Nobuyuki Takakura** (Osaka University, Japan)
Maintenance of the stemness in cancer stem cells requires CD44 expressed by tumor stromal cells via tissue hypoxia

Special Lecture 3

Chair: Kohei Miyazono (The University of Tokyo, Japan)

15:00 – 15:40 **Gou-Young Koh** (KAIST, Korea)
Targeting tumor vasculatures

15:40 – 16:00 **Coffee Break**
Poster unmounting

Session 7. Cancer therapy

Chair: Naoya Fujita (Japanese Foundation for Cancer Research, Japan)

16:00 – 16:30 **Seiji Yano** (Kanazawa University, Japan)
Bone microenvironment confers Hsp90 inhibitor resistance in the metastatic small cell lung cancer

16:30 – 17:00 **Hiroyuki Mano** (The University of Tokyo, Japan)
Targeting essential growth drivers in human cancer

17:00 – 17:30 **Yoshihiro Kawasaki, Tetsu Akiyama** (The University of Tokyo, Japan)
MYU, a novel target lncRNA for Wnt/c-Myc signaling, mediates CDK6 induction to promote cell cycle progression

Closing Remarks

17:30 – 17:40 **Carl-Henrik Heldin** (Uppsala University, Sweden)