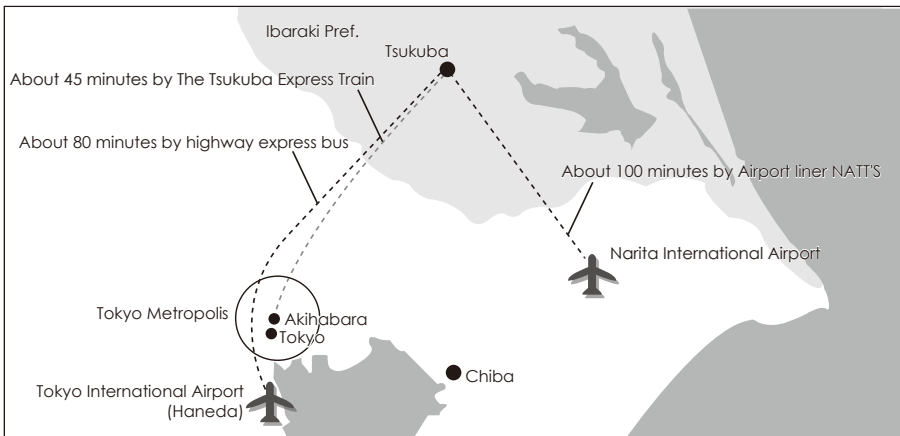


General Information

Congress Name	Joint International Symposium on TGF- β and Cancer The 4th International Symposium by JSPS Core-to-Core Program "Cooperative International Framework in TGF- β Family Signaling" International Symposium by Grant-in-Aid for Scientific Research on Innovative Areas by MEXT "Integrative Research on Cancer Microenvironment Network"
Theme	TGF- β Family and cancer Signal Network in Tumor Microenvironment
Date	January 12 (Mon) - 13 (Tue), 2015
Venue	International Congress Center "EPOCHAL TSUKUBA" (Tsukuba, Ibaraki) 2-20-3 Takezono, Tsukuba, Ibaraki 305-0032, Japan TEL. +81-29-861-0001
Organizer	Kohei Miyazono Department of Molecular Pathology, Graduate School of Medicine, The University of Tokyo
Chairman	Mitsuyasu Kato Department of Experimental Pathology, Faculty of Medicine, University of Tsukuba
Language	English (no simultaneous interpretation provided)
Sponsor	Japan Society for the Promotion of Science, Core-to-Core Program Grant-in-Aid for Scientific Research on Innovative Areas by MEXT
Admission	Free
Banquet	Time: January 12 (Mon) 18:20 - 20:30 Place: International Congress Center EPOCHAL TSUKUBA "Espoir"
Homepage	http://www.c2ctgfb2015-4thsymposium.net

Access Map



NOTE: Seats for the bus from Tsukuba to Narita must be reserved in advance. Or call "Kanto-Tesudo, Tsukuba Office" (phone: +81-29-822-5345).

Reservations are accepted up to a month in advance, and no later than 7 P.M. on the previous day.

Reservations are not necessary for buses heading to Tsukuba, or Haneda Airport.

From Haneda Airport

By taking a highway express bus

Board a highway express bus bound for Tsukuba Center (80 mins).

Bus route, timetable, and bus stops: <http://hnd-bus.com/route/tsukubacenter.html>

How to buy a ticket: <http://hnd-bus.com/guide/ticket.html>

NOTE: *1: You need to buy the ticket at the bus counter on the 1st floor before boarding.

*2: Do not recommend the use during rush hours.

By taking Monorail + JR + Tsukuba Express Train

Board Tokyo Monorail at Haneda Airport Terminal 1 to Hamamatsu-Cho Station (20 mins).

Transfer to JR Yamanote Line and get off at Akihabara station (10 mins). And find out a sign

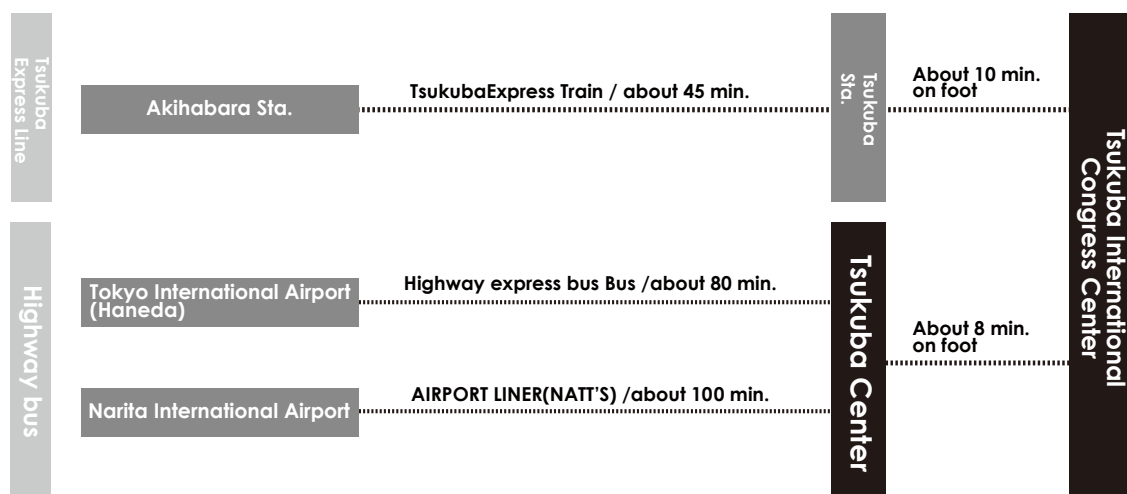
"TX" for Tsukuba Express, located deep underground at the east side of the Akihabara station. It takes about 5 minutes from JR(Akihabara Sta.) to TX on foot.

Board TX to Tsukuba Station Terminal (45 mins).

10 mins walk from Tsukuba Station.

From Narita Airport

Board the Airport liner NATT'S at **the bus stop #8 in Terminal 1 (1st floor) or #10 in Terminal 2 (1st floor)** and get off at Tsukuba Center (100 mins).

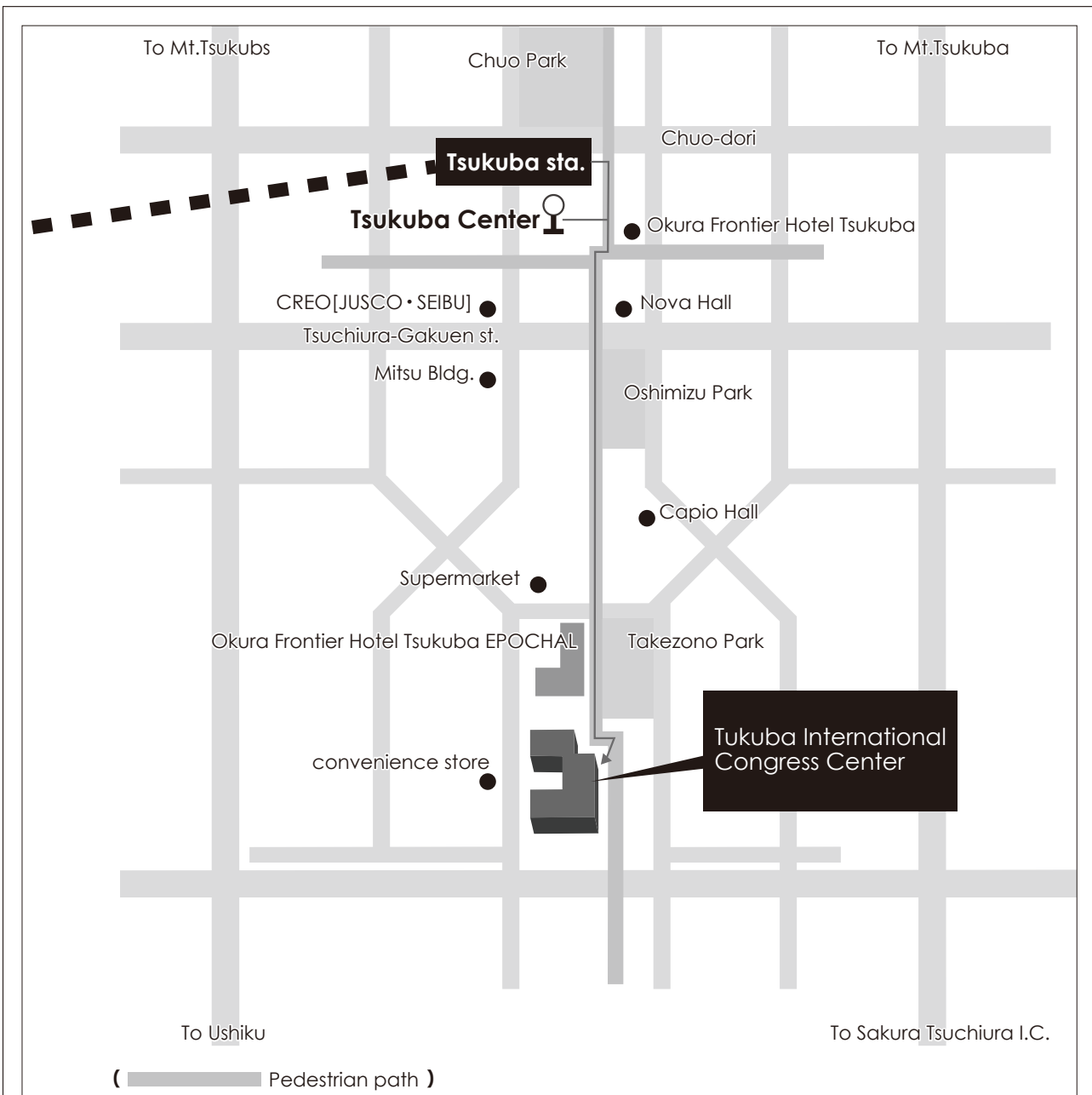


NOTE: Seats for the bus **from Tsukuba to Narita** must be reserved in advance. Call "Kanto-Tesudo, Tsukuba Office" (phone: +81-29-822-5345).

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Access Map



Walking Direction (From Tsukuba Center Bus Terminal / Tsukuba sta.)

For the Tsukuba International Congress Center

Please go up the escalator at Exit A3 to the pedestrian path and walk south approximately 800 m along the path, which is about 8 mins walk.

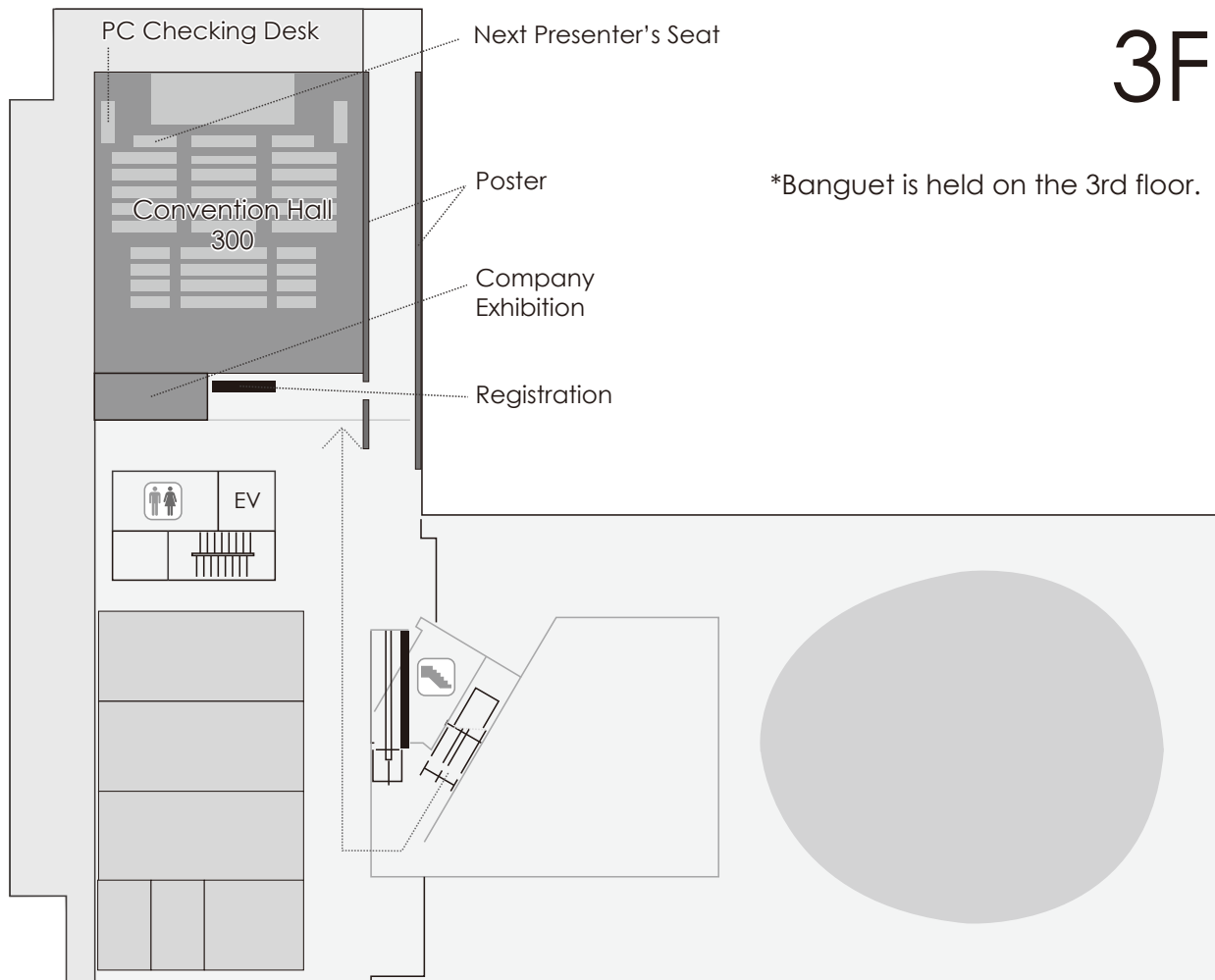
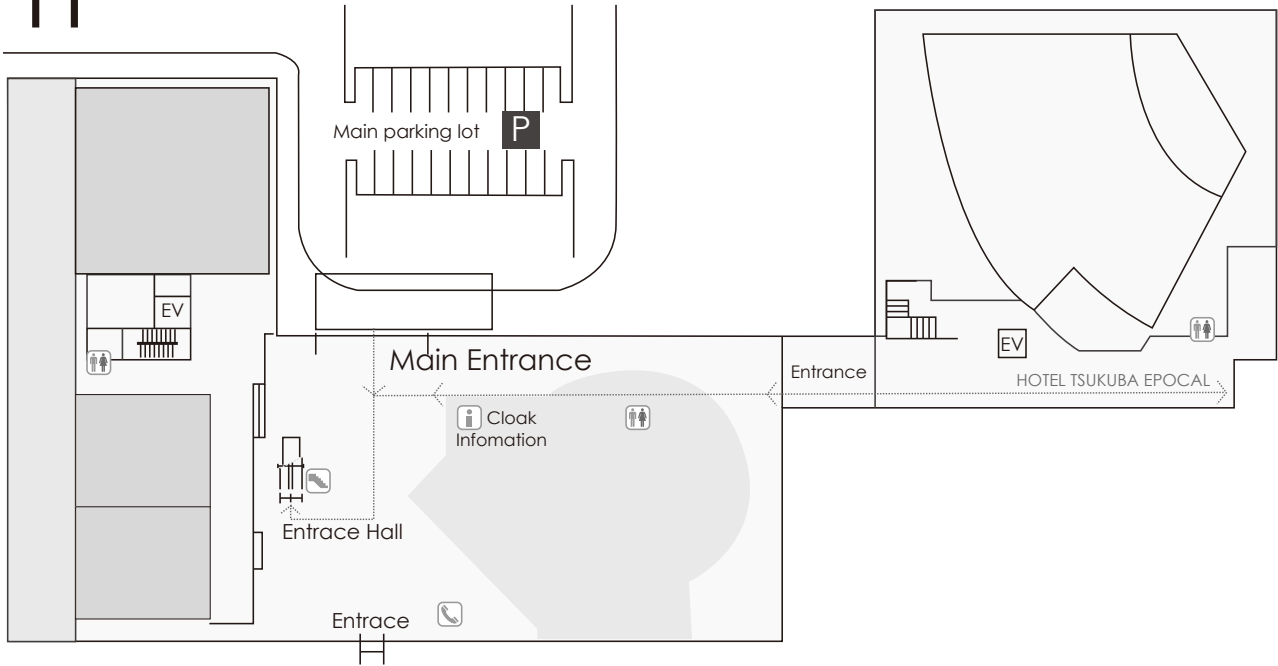
For HOTEL TSUKUBA EPOCHAL

Almost the same direction above. You will see the hotel on your right just before the Tsukuba International Congress Center.



Floor Map

1F



Instructions for Presenters and Chairpersons

Instruction for Chairpersons

Please be at the 「Next Chairperson's Seat」 10 minutes before your in-charged session starts. Chairpersons are asked to remain within the time allocated for the session and each presentation.

Instruction for Oral Presenter

- Allocated time for Oral Presentation

Session 1 • Short talks	15 minutes for presentation, 5 minutes for discussion
Session 2 • 3 • 4 • 5 • 6 • 7	25 minutes for presentation, 5 minutes for discussion
Special Lecture	30 minutes for presentation, 10 minutes for discussion

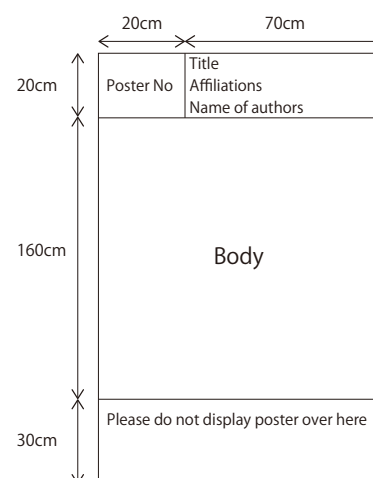
- Please visit the 「PC Checking Desk」 30 minutes before your session starts and be at the 「Next Presenter's Seat」 10 minutes before your presentation starts.
- Please bring your **own PC** and AC adaptor for your presentation.
- The only type of connector available at the venue is 「Mini D-sub 15pin 3」. Please provide your own connector if your PC does not accept the Mini D-sub 15pin 3 type connector.
- Please prepare a USB flash memory for data back-up.
- Presentation by using tablet terminator is not acceptable.
- For presenters who are not able to bring their own PC, PC will be prepared in the venue. Please provide your data in USB flash memory. The OS and Application for the data are Power Point 2007/2010/2013. Please save your data under your name.
- Please bring your own PC if your presentation includes Video (exclusive of Power Point animation function).
- Sound cannot be played.

Instruction for Poster Presenters

- Posters should be displayed on the assigned board during the poster set-up time.
- Poster presenters should be ready in front of your poster panel 5 minutes before the session starts.

Poster preparation

- All poster presenters will be provided with 90 cm wide and 210 cm high boards.
- Only English language is available.
- Presenters should prepare a header indicating or including the title, name of all authors and their affiliations.
- Presentation number of your poster, pins and ribbon will be provided at the poster session area.



Poster schedule

Poster Set-up	January 12 (Monday) 8:00~8:50
Poster Viewing1	January 12 (Monday) 10:40~11:40 (poster with odd number)
Poster Viewing2	January 12 (Monday) 15:10~16:10 (poster with even number)
Poster Award	January 12 (Monday) 18:20~20:30 (Banquet)
Poster Removal	January 13 (Tuesday) 15:40~16:00

Invited Speakers

Hiroyuki Aburatani (Japan)
Shigeru Chiba (Japan)
Marie-José Goumans (the Netherlands)
Eiji Hara (Japan)
Beate Heissig (Japan)
Carl-Henrik Heldin (Sweden)
Mitsuyasu Kato (Japan)
Yoshihiro Kawasaki, Tetsu Akiyama (Japan)
Seong-Jin Kim (Korea)
Gou-Young Koh (Korea)
Daizo Koinuma (Japan)
Mizuko Mamura (Japan)
Hiroyuki Mano (Japan)
Hozumi Motohashi (Japan)
Aristidis Moustakas (Sweden)
Masafumi Muratani (Japan)
Hiroaki Suga (Japan)
Hiroyuki Suzuki (Japan)
Nobuyuki Takakura (Japan)
Tetsuro Watabe (Japan)
Seiji Yano (Japan)

Time Table

Monday, January 12

	8:15 - Registration (International Congress Center EPOCHAL TSUKUBA) Poster mounting	
8	Opening Remarks 8:50 - 8:55 Mitsuyasu Kato (University of Tsukuba, Japan)	
	Session 1. Short talks (selected from poster abstracts) Chair: Shinae Kondoh (Tokyo Institute of Technology, Japan) 9:00 - 9:20 Yutaro Tsubakihara (Ehime University, Japan) Arkadia induces ubiquitylation and degradation of Smad6 9:20 - 9:40 Kyung-Min Yang (CHA University, Korea) Cytoplasmic DRAK1 overexpressed in HNSCC cells inhibits TGF- β 1 tumor suppressor activity 9:40 - 10:00 Takahiro Kuchimaru (Tokyo Institute of Technology, Japan) 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) Aggrus-induced platelet aggregation promotes tumor metastasis by enhancing EMT 10:20 - 10:40 Masamitsu Konno (Osaka University, Japan) Embryonic MicroRNA-369 regulates pyruvate kinase splicing form by stabilizing translation of splicing	
9		
10	10:40 - 11:40	
11	Poster Viewing 1 / Coffee Break 11:40 - 13:00	
12	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	
13		
14	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	15:10 - 16:10 Poster Viewing 2 / 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	
16		
17	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	18:20 - 20:30 Banquet (International Congress Center EPOCHAL TSUKUBA) Greetings from the President of University of Tsukuba : Kyosuke Nagata (University of Tsukuba, Japan)	
19		
20	Poster Award	

Tuesday, January 13

8	<p>8:30 - Registration (International Congress Center EPOCHAL TSUKUBA)</p>
	<p>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</p>
9	<p>Session 4. Hematology and Immunology Chair: Susumu Itoh (Showa Pharmaceutical University, Japan) 9:10 - 9:40 Shigeru Chiba (University of Tsukuba, Japan) Clonal origin of microenvironmental cells in malignant lymphoma 9:40 - 10:10 Beate Heissig (The University of Tokyo, Japan) The fibrinolytic system modulates the cytokine and cellular environment during cancer progression and chronic inflammation</p>
10	<p>10:10 - 10:40 Mizuko Mamura (Tokyo Medical University, Japan, Kyungpook National University, Korea) Dynamic Smad signaling networks in immune cell regulation</p>
	<p>10:40 - 11:00 Coffee Break</p>
11	<p>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</p>
12	<p>12:30 - 13:30 Lunch</p>
13	<p>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</p>
15	<p>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</p>
16	<p>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</p>
17	<p>Closing Remarks 17:30 - 17:40 Carl-Henrik Heldin (Uppsala University, Sweden)</p>

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 Gpnmb in malignant progression of breast cancer

Program

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**

Program

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)