

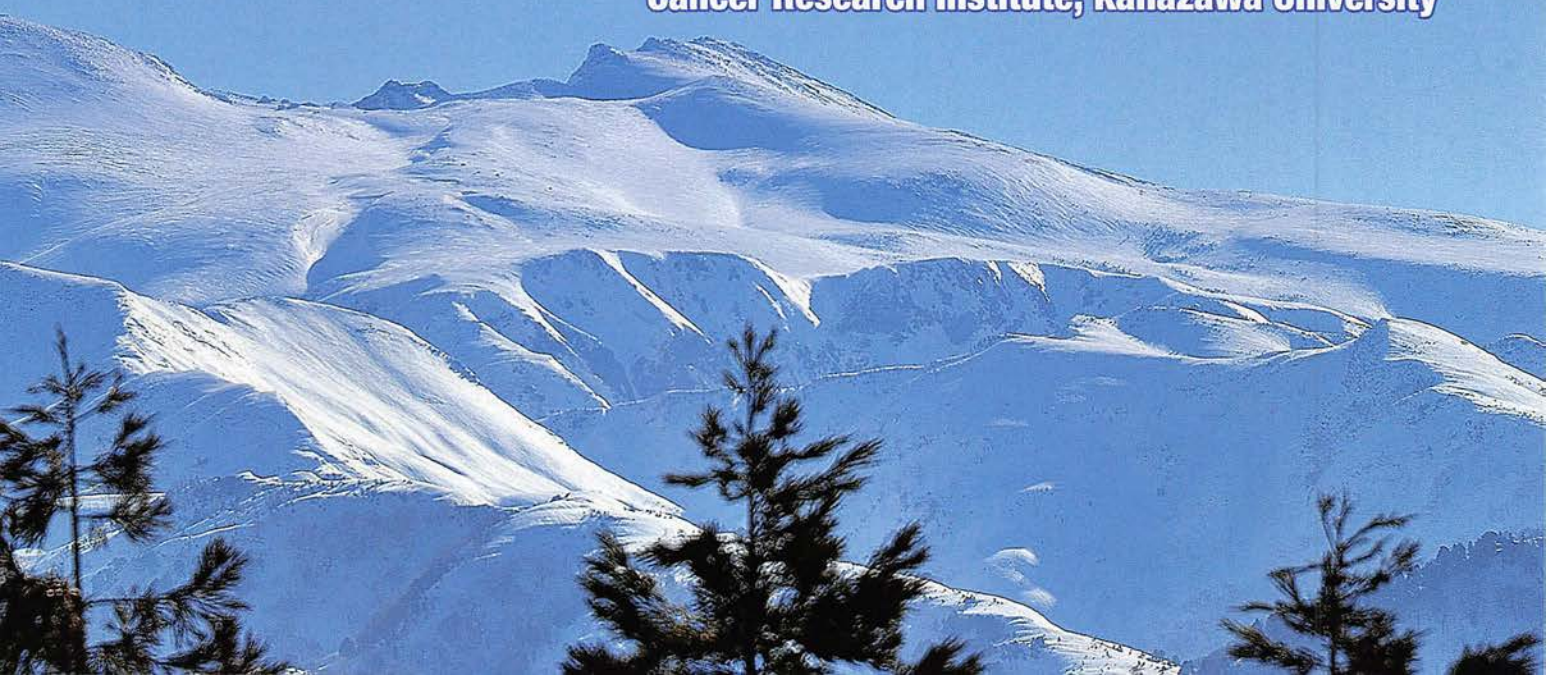
# International Symposium on Tumor Biology in Kanazawa & Symposium on Drug Discovery in Academics

## Program & Abstracts

January 23 THU ~ 24 FRI, 2014

Kanazawa Excel Hotel Tokyu, Kanazawa, Japan

**Organizers:** Kanazawa Association of Tumor Biologists  
Cancer Research Institute, Kanazawa University



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# **International Symposium on Tumor Biology in Kanazawa & Symposium on Drug Discovery in Academics**

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January 23 [Thu] -24 [Fri] , 2014

Kanazawa Excel Hotel Tokyu, Kanazawa, Japan

**Organizers:**

**Kanazawa Association of Tumor Biologists**

**Cancer Research Institute, Kanazawa University**

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## General Information

### **Date & Time** Jan 23 (Thu), 2014

**Symposium (Sessions 1-3): 12:50-17:15**

Ballroom A (5F) Kanazawa Excel Hotel Tokyu

**Poster session: 17:15-18:30**

Excellent Room (5F) Kanazawa Excel Hotel Tokyu

**Reception: 18:30-20:30**

Ballroom B (5F) Kanazawa Excel Hotel Tokyu

### **Jan 24 (Fri), 2014**

**Symposium (Sessions 4-5): 9:00-12:00**

Ballroom A (5F) Kanazawa Excel Hotel Tokyu

**Poster session: 12:00-14:00**

Excellent Room (5F) Kanazawa Excel Hotel Tokyu

**Symposium (Sessions 6): 14:00-15:25**

**Special Lecture: 15:45-16:45**

### **Venue** Kanazawa Excel Hotel Tokyu

2-1-1, Korinbo, Kanazawa 920-0961, Japan

Tel: +81-76-231-2411

Fax: +81-76-263-0154

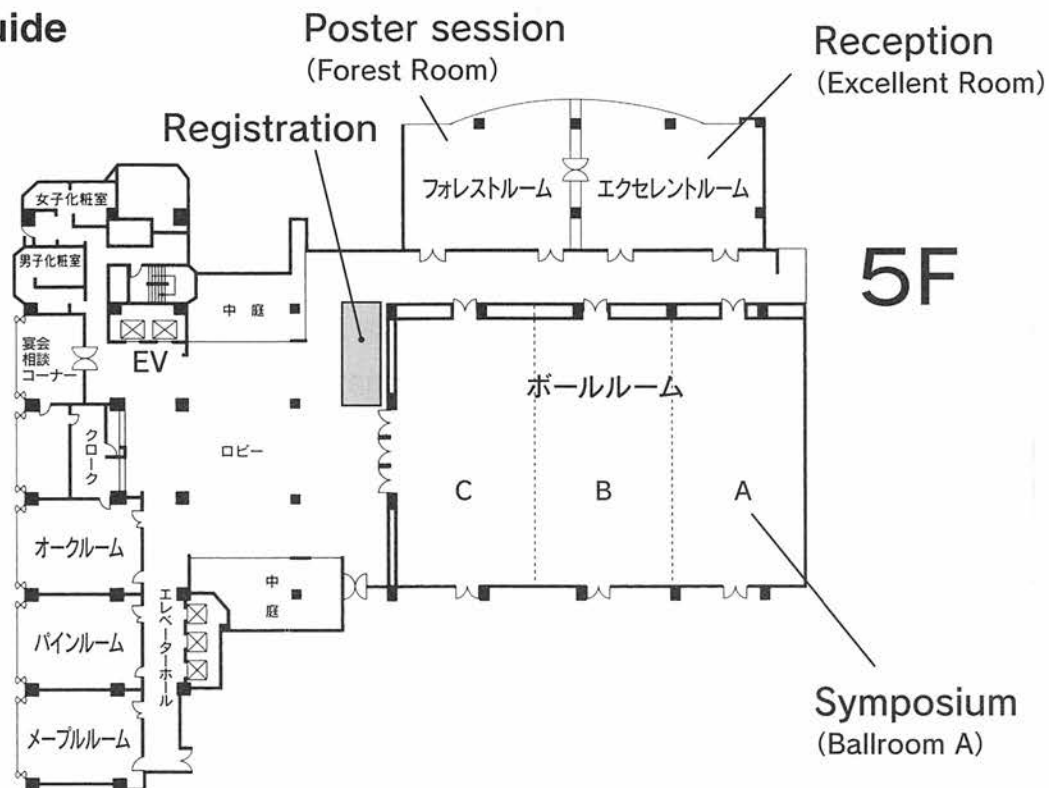
Website:

[http://www.tokyuhotelsjapan.com/en/TE/TE\\_KANAZ/index.html](http://www.tokyuhotelsjapan.com/en/TE/TE_KANAZ/index.html)

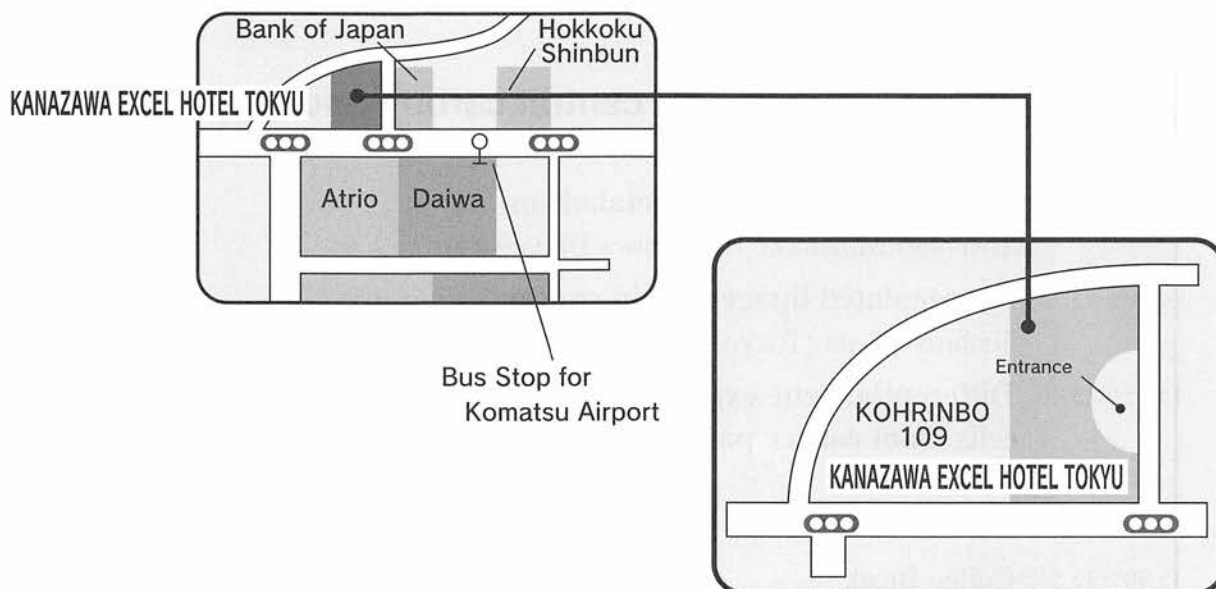
**Oral Presentation** Please bring your computer or USB during coffee break or lunch time before your session. If you use Macintosh computer, please bring adaptor for cable connection.  
Please remain 5 min of your presentation time for active discussion.

**Poster Presentation** Please display your poster on board by 14:00 Jan 23, and take it away after 15:30 Jan 24. During poster viewing time, please stand by your poster for discussion.

## Floor Guide



## Kanazawa Excel Hotel Tokyu Location Map



## Travel Information

Airport limousine bus will stop at Korinbo. It will take 60 min to Komatsu airport.  
 It will take 6 min to JR Kanazawa station by taxi.  
 Time table for airport limousine, check Website.  
<http://www.hokutetsu.co.jp/bus/airport>

## Program

### The First Day (Jan 23, 2014)

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12:40~12:45 **Opening Remarks**

Masanobu Oshima (Director, Cancer Research Institute, Kanazawa University)

12:45~12:50 **Congratulatory Address**

Shin-ichi Nakamura (President, Kanazawa University)

#### **Session 1 Tumor Metabolism - central carbon metabolism and anti-oxidant**

Chair: Toshinari Minamoto (Kanazawa University)

12:50~13:15 **RB functions in rewiring cancer cell metabolism**

Chiaki Takahashi (Kanazawa University)

13:15~13:40 **Tumor Suppressor p53 and Glutamine Metabolism**

Tomoaki Tanaka (Chiba University)

13:40~14:10 **Crosstalk between redox regulation and cell proliferation**

Hozumi Motohashi (Tohoku University)

14:10~14:25 Coffee Break

#### **Session 2 Tumor Metabolism - central carbon and lipid metabolism**

Chair: Atsushi Hirao (Kanazawa University)

14:25~14:50 **GSK3 $\beta$  in cancer cell metabolism**

Toshinari Minamoto (Kanazawa University)

14:50~15:15 **Dysregulated lipogenesis in cancer**

Toshiro Migita (Tokyo Metropolitan Institute of Medical Science)

15:15~15:40 **Differential gene expression in the visceral adipose-derived stromal cells from cancer patients and their interactions with human ovarian cancer cells**

Mi-Kyung Kim (Seoul University, Korea)

15:40~15:55 Coffee Break

#### **Session 3 Tumor Metabolism - senescence and beyond**

Chair: Chiaki Takahashi (Kanazawa University)

15:55~16:40 **In vivo RNAi screening for novel therapeutic cancer targets**

Daniel S. Peeper (NKI, Netherlands)

16:40~17:15 **Obesity-induced gut microbial metabolite promotes liver cancer through senescence secretome**

Eiji Hara (JFCR)

17:15~18:30 **Poster Viewing**

18:30~20:30 **Reception**

## The Second Day (Jan 24, 2014)

### Session 4 Short Talks

Chair: Takashi Suda (Kanazawa University)

9:00~9:15 **Rb deficiency couples DNA damage signaling with DNA methylation during C cell carcinogenesis**

Awad Shamma (Takahashi Lab., Kanazawa University)

9:15~9:30 **Cell-context dependent functions of mTOR complexes in leukemia**

Takayuki Hoshii (Hirao Lab., Kanazawa University)

9:30~9:45 **KDM5B histone demethylase controls EMT of cancer cells by regulating the expression of microRNA-200 family**

Zanabazar Enkhbaatar (Suzuki Lab., Kanazawa University)

9:45~10:00 **Novel mechanisms of acquired resistance to EGFR-TKI in lung cancer**

Asuka Nakata (Gotoh Lab., Kanazawa University)

10:00~10:15 Coffee Break

### Session 5 Big Data & System Biology

Chair: Noriko Gotoh and Takeshi Suzuki (Kanazawa University)

10:15~10:40 **Deep learning from big data on cancer**

Kenji Satou (Kanazawa University)

10:40~11:05 **Identification of altered gene regulatory networks in gliomas by using Gene Network Entropy Analysis**

André Fujita (São Paulo University, Brazil)

11:05~11:30 **Genomic analysis and simulation to understand principles generating intratumor heterogeneity**

Atsushi Niida (University of Tokyo)

11:30~12:00 **Whole genome sequence and comprehensive data analysis of cancer genome**

Akihiro Fujimoto (RIKEN)

Lunch

12:00~14:00 **Poster Viewing**

## **Session 6 Bioinformatics and Drug Development, Drug Resistance**

Chair: Osamu Hirose (Kanazawa University)

14:00~14:30 **Predicting drug-target interaction networks from the integration of chemical, genomic, and pharmacological spaces**

Yoshihiro Yamanishi (Kyushu University)

14:30~15:00 **MT1-MMP Pathway Analysis Using Mathematical Model**

Takashi Suzuki (Osaka University)

15:00~15:25 **A Novel Therapeutic Approach for Targeting CML Stem Cells**

Kazuhito Naka (Kanazawa University)

15:25~15:45 Coffee Break

## **Special Lecture Drug Development**

Chair: Kunio Matsumoto (Kanazawa University)

15:45~16:45 **Targeting the Human Kinome: a Rich Source of Targets for Cancer Therapy**

Nicholas B. Lydon

(Blueprint Medicines, USA; 2009 Laskar Clinical Award Winner, 2012 Japan Prize Laureate)

16:45~16:50 **Closing Remarks**

Masanobu Oshima(Director, Cancer Research Institute, Kanazawa University)

# The First Day

(January 23, 2014)

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- Session 1    Tumor Metabolism - central carbon metabolism and anti-oxidant
  
- Session 2    Tumor Metabolism - central carbon and lipid metabolism
  
- Session 3    Tumor Metabolism - senescence and beyond

# The Second Day

## (January 24, 2014)

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Session 4   Short Talks

Session 5   Big Data & System Biology

Session 6   Bioinformatics and Drug  
Development, Drug Resistance