Ninth AACR-Japanese Cancer Association Joint Conference:
BREAKTHROUGHS IN BASIC AND TRANSLATIONAL CANCER RESEARCH

February 21-25, 2013
Hyatt Regency Maui
Maui, HI

Conference Co-Chairpersons:

Tyler Jacks
David H. Koch Institute for Integrative Cancer Research at MIT
Cambridge, MA, USA

Kohei Miyazono
University of Tokyo
Tokyo, Japan

Abstract Submission and Award Application Deadline Extended:
Friday, November 2

Advance Registration Deadline:
Monday, December 17
More than 20 years ago, the American Association for Cancer Research and the Japanese Cancer Association held their first of eight joint conferences. These meetings have been aimed at bringing outstanding American and Japanese researchers together with two goals. The first is to provide a forum for discussion of the latest advances in the broad field of cancer research, both translational/clinical and basic. The second and equally important goal is to provide a mechanism for the interpersonal interactions which foster international collaborations. These conferences have been extremely successful in both areas and are tangible examples of the close relationship between the AACR and the JCA.

The Ninth Joint Conference continues to extend this tradition. The 12 conference sessions will feature outstanding speakers covering topics ranging from basic science to therapeutics, including prevention, epigenetics, and other important areas. Thus, the conference will take a broad view of contemporary cancer research that is intended to be of interest to basic and clinical investigators. The organization and timing of the platform and poster sessions have been designed to maximize interactions. The conference organizers believe that this meeting will catalyze many new collaborations, just as its predecessors have done.

Conference Co-Chairpersons:

Tyler Jacks, David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA, USA

Kohei Miyazono, University of Tokyo, Tokyo, Japan

Organizing Committee:

Lynda Chin, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Lisa M. Coussens, Oregon Health & Science University Knight Cancer Institute, Portland, OR, USA

Mari Kannagi, Tokyo Medical & Dental University, Tokyo, Japan

Gou Young Koh, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Republic of Korea

Sean J. Morrison, UT Southwestern Medical Center, Dallas, TX, USA

Hitoshi Nakagama, National Cancer Center Research Institute, Tokyo, Japan

Tomoki Naoe, Nagoya University Hospital, Nagoya, Japan

Motoharu Seiki, University of Tokyo, Institute of Medical Science, Tokyo, Japan

Jeffrey E. Settleman, Genentech Inc., South San Francisco, CA, USA

Phillip A. Sharp, David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA, USA
Thursday, February 21

5:00 p.m.-6:30 p.m.  
**Keynote Session**

RNA biology and basic and translational cancer research  
**Phillip A. Sharp**, David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA, USA

Targeting essential growth drivers in human cancers  
**Hiroyuki Mano**, Jichi Medical School, Tochigi, Japan

6:30 p.m.-8:00 p.m.  
**Opening Reception**

Friday, February 22

7:00 a.m.-8:00 a.m.  
**Breakfast/Mentoring Roundtables**

8:00 a.m.-9:30 a.m.  
**Session 1: Cancer Genomes and Tumor Evolution**

Survival of the fittest: Cancer genome evolution towards adaptation  
**Tatsuhiro Shibata**, National Cancer Center Research Institute, Tokyo, Japan

Interrogating the architecture of cancer genomes  
**Peter J. Campbell**, Wellcome Trust Sanger Institute, Cambridge, United Kingdom

Genome-wide analyses of pediatric solid tumors  
**Junko Takita**, University of Tokyo, Tokyo, Japan

10:00 a.m.-11:30 a.m.  
**Session 2: Circulating Tumor Cells and Other New Diagnostic Technologies**

Bioengineering and clinical applications of circulating tumor cell chips  
**Shyamala Maheswaran**, Massachusetts General Hospital, Charlestown, MA, USA

PLS3 expression in circulating blood is a good marker for colon cancer recurrence  
**Masaki Mori**, Osaka University, Osaka, Japan

The clinical application of circulating tumor DNA  
**Luis A. Diaz**, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, Baltimore, MD, USA

11:30 a.m.-3:30 p.m.  
**Free Time**

3:30 p.m.-5:00 p.m.  
**Session 3: Noncoding RNAs**

Senescence-associated microRNAs, a novel approach to tumor suppression  
**Hidetoshi Tahara**, Hiroshima University, Hiroshima, Japan

MicroRNA reprogramming in cancer: Mechanisms and consequences  
**Joshua Mendell**, UT Southwestern Medical Center, Dallas, TX, USA

Linking RNA to human health and disease  
**John L. Rinn**, Harvard University, Cambridge, MA, USA

5:00 p.m.-7:00 p.m.  
**Poster Session A**

9:30 a.m.-10:00 a.m.  
**Break**
Saturday, February 23

7:00 a.m.-8:00 a.m. Breakfast/Mentoring Roundtables

8:00 a.m.-9:30 a.m. Session 4: DNA Damage Response

- DNA damage response and cellular senescence in cancer
  Eiji Hara, Japanese Foundation for Cancer Research, Tokyo, Japan

- Harnessing genetic dependencies in cancer therapy
  Alan Ashworth, Institute of Cancer Research, London, United Kingdom

- Complex regulation of homologous recombination by E3 ligases
  Shinichiro Nakada, Osaka University, Osaka, Japan

9:30 a.m.-10:00 a.m. Break

10:00 a.m.-11:30 a.m. Session 5: Epigenetics and Cancer Cell States

- Epigenetic plasticity and its clinical implications in human neoplasia
  Yutaka Kondo, Aichi Cancer Center, Nagoya, Japan

- The regulation of melanoma metastasis
  Sean J. Morrison, UT Southwestern Medical Center, Dallas, TX, USA

- Dysregulation of noncoding RNA genes and its clinical application
  Hiromu Suzuki, Sapporo Medical University, Sapporo, Japan

11:30 a.m.-3:30 p.m. Free Time

3:30 p.m.-5:00 p.m. Session 6: Cancer Progression and Metastasis

- Molecular characterization of lung cancer progression
  Tyler Jacks, David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA, USA

- Significance of hypoxia-inducible factor in cancer progression and metastasis
  Shinae Kondoh, Tokyo Institute of Technology, Tokyo, Japan

- The systemic environment as an important determinant of malignancy
  Sandra S. McAllister, Brigham and Women’s Hospital, Boston, MA, USA

5:00 p.m.-7:00 p.m. Poster Session B

Sunday, February 24

7:00 a.m.-8:00 a.m. Breakfast/Mentoring Roundtables

8:00 a.m.-9:30 a.m. Session 7: Tumor Microenvironment

- Molecular control of tumor vessel destabilization
  Gou Young Koh, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Republic of Korea

- Chronic inflammation and cancer: Translating basic science to the clinic
  Lisa M. Coussens, Oregon Health & Science University's Knight Cancer Institute, Portland, OR, USA

- Mint3 promotes tumor malignancy in cancer and stromal cells
  Takeharu Sakamoto, University of Tokyo, Institute of Medical Science, Tokyo, Japan

9:30 a.m.-10:00 a.m. Break
### 10:00 a.m.-11:30 a.m.  **Session 8: Cancer Immunology and Immunotherapy**

- **Immune checkpoint blockade in cancer therapy: New insights and opportunities**
  - **James P. Allison**, Memorial Sloan-Kettering Cancer Center, New York, NY, USA

- **Impact of innate and acquired immune responses in adult T-cell leukemia**
  - **Mari Kannagi**, Tokyo Medical and Dental University, Tokyo, Japan

- **microRNAs and myeloid-derived suppressor cells in tumor immune escape**
  - **Qingqing Wang**, Zhejiang University School of Medicine, Hangzhou, China

### 11:30 a.m.-3:30 p.m.  **Free Time**

### 3:30 p.m.-5:00 p.m.  **Session 9: Preclinical Models**

- **GEM models in translational research**
  - **Lynda Chin**, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

- **Novel strategies for targeting cancer stem cells**
  - **Hideyuki Saya**, Keio University, Tokyo, Japan

- **Contributions of the tumor microenvironment to chemoresistance**
  - **Mikala Egeblad**, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, USA

### 5:00 p.m.-7:00 p.m.  **Poster Session C**

### Monday, February 25

### 7:00 a.m.-8:00 a.m.  **Breakfast/Mentoring Roundtables**

### 8:00 a.m.-9:30 a.m.  **Session 10: Signaling and Systems Biology**

- **Targeted sequencing of Asian cancer phenotypes**
  - **Patrick Tan**, Duke-NUS Graduate Medical School Singapore, Singapore

A systems approach to understanding and predicting therapeutic response
- **Joe W. Gray**, Oregon Health & Science University's Knight Cancer Institute, Portland, OR, USA

Statistical gene network analysis for understanding cancer heterogeneity
- **Seiya Imoto**, University of Tokyo, Institute of Medical Science, Tokyo, Japan

### 9:30 a.m.-10:00 a.m.  **Break**

### 10:00 a.m.-11:30 a.m.  **Session 11: Cancer Prevention**

- **Energy balance and inflammation in cancer prevention and prognosis**
  - **Cornelia M. Ulrich**, German Cancer Research Center, Heidelberg, Germany

- **GWAS revealed the roles of gene-environmental interaction in carcinogenesis**
  - **Koichi Matsuda**, University of Tokyo, Institute of Medical Science, Tokyo, Japan

- **Targeting the DNA repair network as a novel approach for cancer prevention**
  - **Guang Peng**, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

### 11:30 a.m.-3:00 p.m.  **Free Time**

### 3:00 p.m.-4:30 p.m.  **Session 12: Targeted Therapies and Resistance**

- **Title to be announced**
  - **Jeffrey E. Settleman**, Genentech, Inc., South San Francisco, CA, USA

- **TTF-1: A double-edged sword in lung adenocarcinoma**
  - **Takashi Takahashi**, Nagoya University, Nagoya, Japan

- **Biological mechanisms of resistance to targeted therapies**
  - **Katerina A. Politi**, Yale Cancer Center, New Haven, CT, USA

### 4:30 p.m.-6:30 p.m.  **Poster Session D**

### 7:00 p.m.-10:00 p.m.  **Closing Reception and Banquet**
Registration

Attendee registration includes admission to all lecture sessions, poster sessions, the opening reception on February 21, the closing reception and banquet on February 25, conference continental breakfasts on February 22, 23, 24, and 25, refreshment breaks, and refreshments during the poster sessions on February 22, 23, 24, and 25. To register for the conference please visit www.aacr.org/aacr-jca.

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¹Nonmember pre-/postdoctoral students must have their registrar, dean or department head certify that they are enrolled at the university and working toward a degree or fellowship in a field related to cancer research.

The spouse/guest fee is only for meals and social activities listed above. It does NOT admit individuals to lecture sessions.

AACR Membership

AACR membership is available to individuals who are interested in joining the AACR and registering for this conference at the discounted member rates. AACR membership offers an array of benefits, including reduced subscription rates to the AACR’s seven scientific journals; abstract sponsorship privileges for AACR Annual Meetings; networking and scientific exchange with leading researchers; and more. The AACR is also eager to support the exchange of knowledge and research with investigators who are located in countries with emerging economies. Significantly reduced membership dues are available for these investigators.

Individuals interested in joining the AACR and registering at the advance registration rate must submit an application no later than December 10, 2012. Only individuals who are listed on the membership rolls as members in good standing as of February 15, 2013, will be accorded the privilege of registering for the conference at the member rates noted above. If, upon review of the membership application, a candidate is deemed ineligible for the membership category to which he or she applied, then the candidate will need to register at the nonmember rate. Additional information on AACR membership categories, as well as application forms and submission instructions, is available at www.aacr.org. Contact the AACR Membership Department at (215) 440-9300 with any questions.

Refund Policy

Requests for refunds must be made in writing and received by the AACR Meetings Department before January 25, 2013. Refund requests may be sent by fax to (215) 351-9165 or by e-mail to meetings@aacr.org. There will be a $75 administrative fee for processing cancellations received before January 25, 2013. After January 25, no refunds can be made.
Accommodations and Travel to Maui, HI

For more information about the hotel, how to book your room online, and travel to the conference, please visit www.aacr.org/aacr-jca.

Abstract Submission

Each participant will be given the opportunity to present one poster of his or her work. It is expected that the abstract will include original data not previously published in a peer-reviewed journal or the proceedings of a national meeting. Only those abstracts that have been reviewed by the Program Committee may be presented. Abstracts must be submitted online; paper abstracts will not be accepted. Complete abstract submission details, including the abstract categories, may be found on the conference website at www.aacr.org/aacr-jca. The abstract submission deadline is Friday, November 2, 11:59 p.m. U.S. EDT.

Financial Support for Attendance

A variety of award programs are available to offset a portion of the registration, travel, and subsistence expenses incurred in attending this conference. For more information on financial support, please visit the conference website at www.aacr.org/aacr-jca. The deadline to apply for an award is Friday, November 2.

Oral Presentations From Highly Rated Abstracts

Oral presentations of highly rated abstracts will be integrated within selected sessions. All abstracts submitted by the October 22 deadline will be considered. Anyone selected to present an oral presentation will be notified approximately three weeks after the abstract submission deadline.

Assistance for Registrants with Disabilities

The AACR’s conferences are accessible to all investigators. Registrants with special requirements for transportation, hotel accommodations, or other facilities connected with the conference should inform the AACR by checking the appropriate box when registering or by contacting the AACR Meetings Department at (215) 440-9300 or meetings@aacr.org.
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