



Sigrid Jusélius Symposium 2017

Translation of Immunity, Inflammation and Cancer Mechanisms

June 11-14, 2017 – Hanasaari, Espoo

Sunday June 11

Welcome session - Chairs: Kari Alitalo & Riitta Lahesmaa

- 17:00 **Sirpa Jalkanen:** Opening words
Sigrid Jusélius Foundation
- 17:05 **Kari Alitalo, Heikki Joensuu & Riitta Lahesmaa:** Welcome
Organizing committee
- 17:10 **Ira Mellman:** Oncology meets immunology in drug development
Genentech, San Francisco CA
- 17:50 **Anjana Rao:** TET methylcytosine oxidases, immune responses and cancer
La Jolla Institute for Allergy and Immunology, La Jolla CA
- 18:30 *Welcome reception*

Monday June 12

Session 1: Stem cells in cancer - Chair: Tomi Mäkelä

- 8:30 **David Scadden:** Heterogeneity in the making of blood
Harvard & Massachusetts General Hospital
- 9:05 **Eduard Batlle:** Mechanisms of immune evasion and metastasis in colorectal cancer
Institute for Research in Biomedicine, Barcelona
- 9:40 **Frederic de Sauvage:** Targeting intestinal stem cells in cancer
Genentech, San Francisco CA
- 10:15 *Coffee break/Press conference*

Session 2: Regulatory networks and mouse models - Chair: Tuomas Tammela

- 10:55 **Anton Berns:** Mouse models of lung cancer
Netherlands Cancer Institute, Amsterdam
- 11:30 **Julien Sage:** Intra-tumoral heterogeneity and response to therapy in SCLC
Stanford University, Stanford CA
- 12:05 *Lunch*

Session 3: Signaling and regulation of the immune system - Chair: Riitta Lahesmaa

- 13:15 **Hidde Ploegh:** Imaging immunity
Boston Children's Hospital, Boston MA
- 13:50 **Jonathan Powell:** Targeting metabolism to enhance cancer immunotherapy
Johns Hopkins University, Baltimore MD
- 14:25 *Coffee break*
- 15:05 **Sankar Ghosh:** NF- κ B, inflammation and cancer
Columbia University, New York NY
- 15:40 **Micheal Sieweke:** Epigenetic control of macrophage self renewal, identity and function
Centre d'Immunologie de Marseille-Luminy, Marseille

Poster viewing

- 16:15 Poster viewing
With refreshments
- 18:00 *Speaker's archipelago cruise, by invitation only*



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Tuesday June 13

Session 4: New approaches - Chair: Harri Lähdesmäki

- 8:30 **Mark Davis:** Concerted mobilization of different T cell types in autoimmunity
Stanford University, Stanford CA
- 9:05 **Satu Mustjoki:** Novel somatic mutations in patients with autoimmune disorders
University of Helsinki, Helsinki
- 9:40 **Patrick Hogan:** Calcium channels and immune function - new tools and therapeutic opportunities
La Jolla Institute for Allergy and Immunology, La Jolla CA
- 10:15 *Coffee break*

Session 5: Immune therapies - Chair: Mikael Knip

- 10:55 **Roland Kolbeck:** Targeting type-1 interferon for the treatment of autoimmune diseases
MedImmune, Bethesda MD
- 11:30 **Olli Silvennoinen:** JAK kinases as therapeutic targets
University of Tampere, Tampere
- 12:05 *Lunch*

Session 6: Cancer niches and stem cells - Chair: Kari Alitalo

- 13:15 **Calvin Kuo:** Organoid modeling of tumor-stroma interactions
Stanford University, Stanford CA
- 13:50 **Omer Yilmaz:** Dietary control of stem cells and cancer in obesity
Massachusetts Institute of Technology, Cambridge MA
- 14:25 *Coffee break*
- 15:05 **Tuomas Tammela:** Investigating cellular heterogeneity in cancer
Massachusetts Institute of Technology, Cambridge MA
- 15:40 **Pekka Katajisto:** Age-induced changes in the stem cell niche and intestinal regeneration
University of Helsinki, Helsinki

Poster session - Chairs: Päivi Ojala & Mika Rämetsä

- 16:00 Moderated short communications & Best abstract award
- 17:15 Poster session
- 18:15 *Symposium dinner*

Wednesday June 14

Session 7: Improving outcomes - Chair: Heikki Joensuu

- 8:30 **Dieter Saur:** Modeling and targeting pancreatic cancer and its microenvironment
Technical University of Munich, Munich
- 9:05 **Olli Kallioniemi:** Systematic analysis of drug responses in patient-derived cancer cells
Science for Life Laboratory, Karolinska Institutet, Stockholm
- 9:40 **Pasi Jänne:** Strategies to prevent and overcome resistance to EGFR inhibitors in lung cancer
Dana-Farber Cancer Institute, Boston MA
- 10:15 *Coffee break*

Session 8: Immune check-point therapy - Chair: Sirpa Jalkanen

- 9:40 **Padmanee Sharma:** From the clinic to the lab: investigating response and resistance mechanisms to immune checkpoint therapy
University of Texas MD Anderson Cancer Center, Houston TX
- 11:30 **James Allison:** Immune checkpoint blockade in cancer therapy: new insights into mechanisms
University of Texas MD Anderson Cancer Center, Houston TX
- 12:05 **Heikki Joensuu:** Closing remarks