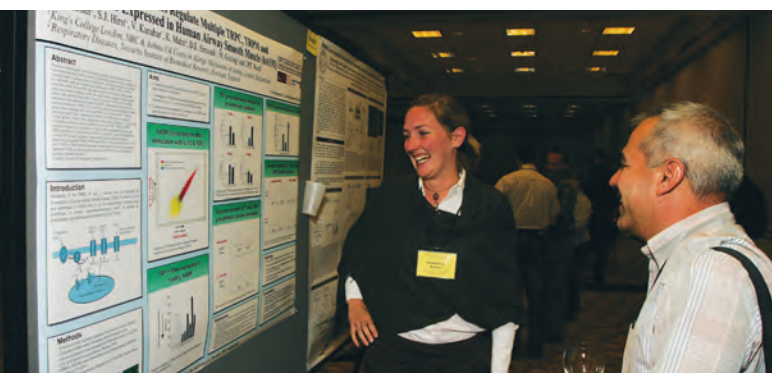


Keystone Symposia is pleased to present

The Hippo Tumor Suppressor Network: From Organ Size Control to Stem Cells and Cancer

Scientific Organizers: Marius Sudol, Helen McNeill, Georg A. Halder and Giovanni Blandino

May 19–23, 2013 | Hyatt Regency Monterey | Monterey, California, USA



Over the past several years, the Hippo tumor suppressor pathway has emerged as a complex signaling network that has significant implications for our understanding of the molecular mechanisms of cancer development and stem cell biology. The main effectors of this pathway, YAP and TAZ, are transcriptional co-activators, which act as stemness factors and potent oncogenes. Recent studies have revealed that abnormal expression of components of the network can lead to cancer. Therefore, the pathway and its networking molecules are attractive targets for the development of cancer drugs and unconventional therapeutic interventions. Several paradoxes have emerged in the field in recent years, and fast progress in this field is due, in large part, to an active dialog between *Drosophila* geneticists and mammalian signalers. The overwhelming interest of researchers in the function of the Hippo pathway in stem cells and cancer prompted us to seek a larger forum. At the Keystone Symposia meeting on The Hippo Tumor Suppressor Network we aim to: (i) Define why YAP and TAZ function as either oncogenes or tumor suppressors; (ii) Identify membrane complexes, which activate the Hippo pathway in mammals, as the orthology with the fly receptors is not clear; (iii) Define targets for small molecule inhibitors and activators within pathway components based on structured modules, including WW, PDZ and SARAH domains. The meeting will be unique in bringing together *Drosophila* geneticists, basic and clinical cancer researchers, and the stem cell research community. We anticipate that this meeting will help to consolidate the emerging field and have an impact on development of new cancer therapies.

Session Topics:

- > Membrane and Upstream Signals
- > Hippo in Flies and Mammals: Orthology and Diversity
- > Junctional Complexes and the Hippo Pathway
- > Hippo Network in Organ Size Control
- > Deregulation of Hippo Pathway in Cancer
- > From Structure-Function Analysis to Details of the Mechanisms that Govern Hippo Signaling

Abstract & Scholarship Deadline: January 17, 2013

Late-Breaking Abstract Deadline: February 18, 2013

Early Registration Deadline: March 19, 2013

Note: Scholarships are available to students and postdoctoral fellows and require a brief application and submission of an abstract. Short talk speakers will also be selected from abstracts. Early registration saves US\$150 on later fee. Information shown is subject to possible change.

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SUNDAY, MAY 19

Arrival and Registration

MONDAY, MAY 20

Welcome and Keynote Address

***Joseph L. Kissil**, The Scripps Research Institute, USA

Joseph Avruch, Massachusetts General Hospital, USA
How Does the Core Kinase Cassette of the Hippo Pathway Control the Yki, YAP and TAZ Effectors?

Membrane and Upstream Signals

***Nicolas Tapon**, Cancer Research UK London Research Institute, UK

Helen McNeill, Samuel Lunenfeld Research Institute, Canada
YAP and Fat Cadherins in Kidney Development

Fernando D. Camargo, Children's Hospital Boston, USA
Hippo/YAP Signaling in Somatic Stem Cells

Xaralabos Varelakis, Boston University, USA
Crosstalk between the Hippo and TGFβ Pathways Directs Tumor-Initiating Signals

Jacob Adler, Indiana University School of Medicine, USA
Short Talk: Amot Adapts the Ubiquitin Ligase AIP4 to Inhibit YAP Signaling and Cell Growth

Isabel Serrano, BC Cancer Research Center, Canada
Short Talk: Integrin-Like Kinase (ILK) Is a Critical Regulator of the Hippo/YAP Signaling Pathway

Hippo in Flies and Mammals: Orthology and Diversity

***Helen McNeill**, Samuel Lunenfeld Research Institute, Canada

***Yosef Shaul**, Weizmann Institute of Science, Israel

Duoqia (DJ) Pan, Johns Hopkins University School of Medicine, USA
Crumbs and Merlin Signaling in Flies and Mammals

Nicolas Tapon, Cancer Research UK London Research Institute, UK
Screening for New Hippo Tumor Suppressor Pathway Regulators

Joan S. Brugge, Harvard Medical School, USA
The Role of YAP Oncogene in Cytokinesis

Jeffrey Schindler, Massachusetts Institute of Technology, USA
Short Talk: Determining the Role of Merlin Isoforms in Upstream Regulation of YAP

Poster Session 1

TUESDAY, MAY 21

Junctional Complexes and the Hippo Pathway

***Filippo G. Giancotti**, Memorial Sloan-Kettering Cancer Center, USA

***Sabrina Strano**†, Regina Elena National Cancer Institute, Italy

Joseph L. Kissil, The Scripps Research Institute, USA
The Role of Angiomotins and Merlin in Regulation of the Hippo Pathway

Wan Jin Hong, Institute of Molecular and Cell Biology, Singapore
Angiomotins as Substrates of Hippo Core Kinases

Yosef Shaul, Weizmann Institute of Science, Israel
Why the Dense Cell Cultures Are Radioresistant

Hiroshi Sasaki, Kumamoto University, Institute of Molecular Embryology and Genetics, Japan

Mechanisms of Position-Dependent Specification of Cell Fates in Preimplantation Embryos

Georgina C. Fletcher, Cancer Research UK, UK

Short Talk: Positive Feedback and Mutual Antagonism Combine to Polarise Crumbs in the Drosophila Follicle Cell Epithelium

Bernhard Schermer, University Hospital of Cologne, Germany
Short Talk: Nephrocystin Proteins Control Nuclear Translocation and Activation of YAP/TAZ Implicating Deregulated Hippo Signaling in the Pathogenesis of Cystic Kidney Disease and Related Ciliopathies

Hippo Network in Organ Size Control

***Kenneth Irvine**†, Rutgers University, USA

***Giovanni Blandino**, Regina Elena Cancer Institute, Italy

Junichi Sadoshima, University of Medicine and Dentistry of New Jersey, USA

Coordinated Regulation of Autophagy and Apoptosis by Mst1 in Cardiomyocytes

Georg A. Halder, Katholieke Universiteit Leuven, Belgium
Mask Is Required for the Activity of the Hippo Pathway Effector Yki/YAP

Stefano Piccolo, University of Padua, Italy
Regulation of TAZ and YAP by Wnt Signaling and Cell Shape

Diane D. Shao, Harvard Medical School, USA
Short Talk: Genome-Scale Expression Screen Reveals Role for YAP1 in KRAS Oncogenic Addiction

Poster Session 2

WEDNESDAY, MAY 22

Deregulation of Hippo Pathway in Cancer

***Georg A. Halder**, Katholieke Universiteit Leuven, Belgium

***Duoqia (DJ) Pan**, Johns Hopkins University School of Medicine, USA

Kieran Harvey, Peter MacCallum Cancer Centre, Australia
Control of Tissue Growth by the Hippo Pathway

Yael Aylon, Weizmann Institute of Science, Israel
The Lats2-p53 Tumor Suppressor Axis

Giovanni Blandino, Regina Elena Cancer Institute, Italy
Crosstalk between p53 Family and YAP in DNA Damage and Senescence

Filippo G. Giancotti, Memorial Sloan-Kettering Cancer Center, USA
Molecular Underpinnings of Merlin-Mediated Tumor Suppression in Mammals

Cathie M. Pfleger, Icahn School of Medicine at Mount Sinai, USA
Short Talk: Dietary Alcohol Enhances Tissue Overgrowth Associated with Loss of Hippo Signaling But Not Over-Expression of Yorkie

Yiting Qiao†, Cancer Science Institute, Singapore
Short Talk: The Interplay between RUNX3 and TEADs in Gastric Cancer

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From Structure-Function Analysis to Details of the Mechanisms that Govern Hippo Signaling

***Fernando D. Camargo**, Children's Hospital Boston, USA

Tony Pawson, Samuel Lunenfeld Research Institute, Canada

Regulation of Rho GTPases and Kinases in Hippo Signaling

Kun-Liang Guan, University of California, San Diego, USA

Regulation of YAP/TAZ in the Hippo Pathway by G-Protein Coupled Receptor Signaling

Marius Sudol, Weis Center for Research, USA

Hippo Pathway as the WW Domain-Mediated Network of Signals

THURSDAY, MAY 23

Departure