



2nd EMBO Conference on Cellular Signaling & Molecular Medicine

May 21 - 26, 2010 - Dubrovnik, Croatia

Friday May 21, 2010

16:00 Arrival and Registration
20:00 Welcome Reception

Saturday May 22, 2010

8:50-9:00 Opening remarks

Session I **Controlling Protein Conformations and Interactions**

Chairperson: Tony Pawson

- 9:00-9:30 Ivan Dikic (Germany) ***European Association of Cancer Research Sponsored Lecture***
Ubiquitin-mediated regulation of NF- κ B activation and autophagy
- 9:30-10:00 Tony Pawson (Canada)
Proteomic analysis of bidirectional signaling networks
- 10:00-10:20 Jean Paul Borg (France)
Identification of a promigratory signaling cassette associated to the Vangl2 polarity receptor
- 10:20-11:00 Coffee Break
- 11:00- 11:20 Angel F Lopez (Australia)
A molecular basis for the pleiotropic biological activities of cytokine receptors
- 11:20-11:40 Herve Bazin (France)
Homogeneous Time Resolved Fluorescence Technique for Study and Imaging of Receptor oligomerization
- 11:40-12:10 Tony Hunter (USA)
Signal transduction in DNA damage and cancer
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12:30-13:30 *Lunch*

Session II **Inflammation and Disease**

Chairperson: Michael Karin

- 14:00-14:30 Michael Karin (USA)
Signaling pathways that link inflammation, metabolism and cancer
- 14:30-14:50 Henning Walczak (UK)
The role of linear ubiquitylation in TNF receptor superfamily signal transduction
- 14:50-15:20 Frances Balkwill (UK)
Inflammatory Cytokines and Autocrine Tumor-Promoting Networks

- 15:20-16:00 Coffee Break
- 16:00-16:30 Dan Littman (USA)
A cryptic innate sensor for HIV in human dendritic cells
- 16:30-17:00 Erwin Wagner (Spain)
Inflammatory skin disease and the role of Jun/AP-1
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17:30 - 19:00 **Poster Session I (Odd Numbers)**

18:00-18:30 **Meet the Editor**

Sunday May 23, 2010

Session III Signaling in Vascular Biology and Disease

Chairperson: Manuela Baccarini

- 9:00-9:30 Ralph Adams (Germany)
Regulation of angiogenesis by endothelial cell-cell interactions
- 9:30-10:00 Amparo Acker-Palmer (Germany)
EphrinB2 regulates VEGFR2 function in developmental and tumour angiogenesis
- 10:00-10:30 Elisabetta Dejana (Italy)
The role of canonical Wnt signalling in vascular development
- 10:30-11:00 Coffee Break
- 11:00-11:30 Manuela Baccarini (Austria)
Role of Raf in angiogenesis
- 11:30-11:50 Beate Lichtenberger (Austria)
Autocrine VEGF signaling synergizes with EGFR in tumor cells to promote epithelial cancer development
- 11:50-12:20 Ellen Van Obberghen-Schilling (France)
Deciphering the mechanisms of fibronectin fibrillogenesis and its role in vascular endothelial cell plasticity
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12:30-13:30 *Lunch*

Session IV Stem Cells

Chairperson: Erwin Wagner

- 14:00-14:30 Fiona Watt (UK)
The epidermal stem cell microenvironment
- 14:30-15:00 Emmanuelle Passegue (USA)
The dark side of hematopoietic stem cell quiescence
- 15:00-16:00 Coffee Break
- 16:00-16:20 Pierre Marie (France)

Priming integrin alpha5 in human mesenchymal stem cells promotes osteoblast differentiation and osteogenesis

16:20-16:40 Latifa Bakiri (Spain)
ES-derived tet-regulated transgenic mice to study FOS/AP-1 functions

16:40-17:10 Andreas Trumpp (Germany) *MERCK SERONO Sponsored Lecture*
Waking up Dormant Stem Cells

17:30 - 19:00 **Poster Session II (Even Numbers)**

Monday May 24, 2010

Keynote Lecture
Chairperson: Ivan Dikic

9:00- 9:45 Joseph Schlessinger (USA)
Cell signaling by receptor tyrosine kinases; from molecules to cancer therapy

Session V Cell Adhesion and Movement
Chairperson: Margaret Frame

9:45- 10:15 Sara Wickström (Germany)
Integrin signaling regulates caveolar traffic

10:15-10:35 Guido Posern (Germany)
MALfunction on the EGFR-MAPK cascade and during non-invasive cell migration through target gene induction

10:35-11:00 Coffee Break

11:00-11:30 Peter Friedl (NL)
Collective cancer invasion in vivo: role of integrins in invasion, survival and resistance to radiotherapy

11:30-11:50 Corinne Albiges-Rizo (France)
Dynamics of adhesive structure through integrin activation and extracellular matrix remodeling

11:50-12:20 David Calderwood (USA)
Integrin-cytoskeletal interactions in cell migration and signaling

12:30-13:30 *Lunch*

14:00 Boat trip in the afternoon, guided tour and evening free in Dubrovnik

Tuesday May 25, 2010

Session VI Control of Adaptive Immunity
Chairperson: Arthur Weiss

9:00- 9:30 Facundo Batista (UK)
Lymphocyte activation and tonic signalling: visualizing a role for the cytoskeleton using high-resolution imaging

- 9:30-9:50 Tomas Brdicka (Czech Republic)
Nvl: transmembrane adaptor protein involved in MHCII signaling
- 9:50-10:20 Bernard Malissen (France)
How T cells keep protein tyrosine kinase activity in check
- 10:20-11:00 Coffee Break
- 11:00-11:30 Michael Reth (Germany)
Regulation and autoinhibition of the B cell antigen receptor on resting B cells
- 11:30-11:50 Vincenzo Di Bartolo (France)
The protein kinase HPK-1 negatively regulates T cell activation by reducing the stability of TCR-induced signaling protein complexes
- 11:50-12:20 Arthur Weiss (USA)
Turning T cell antigen receptor signaling pathways off and on with genetically controlled protein tyrosine kinase inhibitors

12:30-13:30 *Lunch*

Session VII Disease Microenvironment and Tumor Progression

Chairperson: Valerie Weaver

- 14:00-14:30 Margaret Frame (UK)
Targeting invasion and metastasis
- 14:30-14:50 Michel Aurrand-Lions (France)
GRASP55 - new intracellular adaptor of Junctional Adhesion Molecule family controls their stability and trafficking
- 14:50-15:20 Silvia Giordano (Italy)
Molecular mechanisms sustaining Oncogene Addiction and resistance to inhibition in tumor cells
- 15:20-16:00 Coffee Break
- 16:00-16:30 Valerie Weaver (USA)
Forcing Form and Function: Implications for Inflammation, Tumor Development and Metastasis
- 16:30-16:50 Christoph Lamaze (France)
A New Role for Caveolae in Mechanosensing
- 16:50-17:20 Raghu Kalluri (USA)
Diverse roles of tumor associated mesenchymal cells in cancer progression and metastasis

17:30 - 19:00 **Poster Session III (All Numbers)**

20:00 **Gala dinner**
Poster Award Presentation

Wednesday May 26, 2008

Departure