6th International Conference on Tumor-Host Interaction and Angiogenesis

PROGRAM

Congressi Stefano Franscini, Monte Verità, Ascona, Switzerland
May 17 – 20, 2015

Organizers:
Kari Alitalo, Tatiana Petrova and Curzio Rüegg
Sunday, May 17, 2015

16:00 – 17:00  
*Welcome reception*

17:00 – 17:15  
*Welcome address and introduction*  
Curzio Rüegg, Tatiana Petrova and Kari Alitalo

17:15 – 18:45  
**SESSION 1**  
*KEYNOTE OPENING LECTURES*  
Discussion leader: Tatiana Petrova

17:15 – 18:00  
*Determinants of malignant progression and adaptation*  
Douglas Hanahan, Lausanne (p. 17)

18:00 – 18:45  
*Modulation of the tumour vascular barrier to achieve effective immunotherapy*  
George Coukos, Lausanne (p. 11)

19:00 – 20:30  
*Dinner*

20:30 – 21:30  
**SESSION 2**  
*AFTER DINNER LECTURES 1*  
Discussion leader: George Coukos

20:30 – 21:00  
*Notch/CSL signaling in skin field cancerization and cancer*  
Paolo Dotto, Lausanne (p. 15)

21:00 – 21:30  
*The transparent editorial process, data reproducibility and research integrity at EMBO Press*  
Roberto Buccione, EMBO Molecular Medicine, Heidelberg

Monday, May 18, 2015

7:30 – 8:15  
*Breakfast*

8:15 – 8:30  
*Welcome address by the Centro Stefano Franscini*  
Chiara Cometta and Lorenzo Sonognini

8:30 – 12:00  
**SESSION 3**  
*TUMOR ANGIOGENESIS AND LYMPHANGIOGENESIS*  
Discussion leaders: Gerhard Christofori and Mary Helene Barcellos-Hoff

8:30 – 9:00  
*Combinatorial targeting of vascular growth factor pathways*  
Kari Alitalo, Helsinki (p. 3)

9:00 – 9:30  
*Olfactomedin-like 3, a matricellular cue of the tumor microenvironment involved in angiogenesis*  
Beat Imhof, Geneva (p. 18)
9:30 – 10:00  
**Endothelial cell dynamics in developmental and tumour angiogenesis**  
Holger Gerhardt, London (p. 16)

10:00 – 10:15  
*Coffee break*

10:15 – 11:45  
**Role of Tie2 activation in tumor vasculatures**  
Gou Young Koh, Daejeon (p. 20)

11:45 – 11:15  
**Targeting metabolic symbiosis to overcome resistance to anti-angiogenic therapy**  
Gerhard Christofori, Basel (p. 9)

11:15 – 11:45  
**Induction of cancer cell senescence and inhibition of angiogenesis by the tumor microenvironment**  
Martin Röcken, Tübingen (p. 26)

11:45 – 12:00  
**Nogo-A and S1PR2 as novel regulators of developmental and tumor angiogenesis in the CNS**  
Thomas Wälchli, Zürich (p. 69)

12:00 – 12:15  
*Meeting picture*

12:30 – 13:30  
*Lunch*

13:30 – 15:30  
*Poster session I (uneven numbers)*

15:30 – 18:30  
**SESSION 4**  
**TUMOR INFLAMMATION**  
Discussion leaders: Curzio Rüegg and Karin De Visser

15:30 – 16:00  
**Steering of inflammatory cell phenotype in cancer**  
Lena Claesson-Welsh, Uppsala (p. 10)

16:00 – 16:30  
**Cancer-associated systemic inflammation facilitates metastatic breast cancer**  
Karin De Visser, Amsterdam (p. 13)

16:30 – 17:00  
*Coffee break*

17:00 – 17:30  
**Influence on vessel shape of macrophage metabolism in the tumor hypoxic niche**  
Max Mazzone, Leuven (p. 22)

17:30 – 18:00  
**Targeting inflammation to prevent relapse after cytotoxic, anti-cancer therapy**  
Claire Lewis, Sheffield (p. 21)
18:00 – 18:15  Angiogenic activity of breast cancer patients’ monocytes reverted by combined use of systems modeling and experimental approaches
Marie-Agnès Doucey, Lausanne (p. 47)

18:15 – 18:30  Microsomal prostaglandin E synthase-1 (mPGES-1) as a therapeutic target of cancers
Matasaka Majima, Kanagawa (p. 59)

19:00 – 20:30  Dinner

20:30 – 21:30  SESSION 5
AFTERDINNER LECTURES 2
Discussion leader: Kari Alitalo

20:30 – 21:00  Tumor microenvironment and angiogenesis
David Tuveson, Cold Spring Harbor (p. 30)

21:00 – 21:30  How to publish in the Science family of journals
Wei Wong, Science Signaling, Washington DC (p. 31)

Tuesday, May 19, 2015

7:30 – 8:30  Breakfast

8:30 – 12:00  SESSION 6
INVASION, METASTASIS
Discussion leaders: Lena Claesson-Welsh and Doug Hanahan

8:30 – 9:00  Stromal reprogramming to target tumor progression and metastasis
Hellmut Augustin, Heidelberg (p. 4)

9:00 – 9:30  Tumor-lymphatic interactions in lymph nodes and distant metastases
Michael Detmar, Zurich (p. 14)

9:30 – 10:00  Microenvironmental and tumor-cell intrinsic mechanisms of metastatic outgrowth
Tatiana Petrova, Lausanne (p. 24)

10:00 – 10:30  Coffee break

10:30 – 11:00  Investigating how driver epithelial mutations shape the tumour microenvironment
Owen Sansom, Glasgow (p. 29)

11:00 – 11:30  Early dissemination and metastasis in breast cancer
Christoph Klein, Regensburg (p. 19)
11.30 – 11:45  Depletion of carcinoma-associated fibroblasts and fibrosis induces immunosuppression and accelerates pancreas cancer with diminished survival
Berna C. Özdemir, Lausanne (p. 60)

11:45 – 12:00 Microenvironmental control of breast cancer subtype elicited by paracrine signaling by cancer-associated fibroblasts
Kristian Pietras, Stockholm and Lund (p. 61)

12:30 – 13:30  Lunch

13:30 – 15:30  Poster session II (even numbers)

15:30 – 18:15  SESSION 7
THERAPEUTIC APPROACHES
Discussion leader: Christoph Klein

15:30 – 16:00 Prognostic and predictive value of the stromal transcriptome in colorectal cancer
Enzo Medico, Torino

16:00 – 16:30 Macrophage regulation of tumor responses to anticancer therapies
Michele DePalma, Lausanne (p. 12)

16:30 – 17:00 Coffee break

17:00 – 17:30 Therapy induced dormancy and metastasis
Curzio Rüegg, Fribourg (p. 27)

17:30 – 18:00 Immunogenic radiotherapy
Philipp Beckhove, Heidelberg (p. 7)

18:00 – 18:15 Synchrotron microbeam radiation- a new promising anti-angiogenic strategy for cancer treatment
Valentin Djonov, Bern (p. 46)

18:30  Departure for social dinner

Wednesday, May 20, 2015

8:30 – 11:00  SESSION 8
PATHWAYS IN CANCER AND ANGIOGENESIS
Discussion leader: Max Mazzone

8:30 – 9:00  Indirect regulation of stem cell fate by inflammation
Freddy Radtke, Lausanne (p. 25)
9:00 – 9:30  Intravital imaging reveals how stroma dictates heterogeneous responses to targeted therapy
Erik Sahai, London (p. 28)

9:30 – 9:45  Endothelial specific inactivation of FAK-Y397 and FAK-Y861 phosphorylation in tumors growth and angiogenesis
Natalia Bodrug, London, (p. 39)

9:45 – 10:00  A duo of SoxF transcription factors is essential for vascular morphogenesis
Injune Kim, Daejeon (p. 56)

10:00 – 10:30  Coffee break

10:30 – 11:00  The dependence reception notion: from a cell biology paradigm to an alternative anticancer targeted therapy
Patrick Mehlen, Lyon (p. 23)

11:00 – 12:15  SESSION 9
KEYNOTE CLOSING LECTURE
Discussion leader : Michael Detmar

11:00 – 11:45  Angiogenesis revisited: Role and (therapeutic) implications of endothelial metabolism
Peter Carmeliet, Leuven (p. 8)

11:45 – 12:00  Young Investigator Award
Prize for the best poster

12:00 – 12:15  Closing remarks
Curzio Rüegg, Tatiana Petrova and Kari Alitalo

12:15  End of the conference

12:30  Lunch

13:30  Departures