

PROGRAM

Saturday, September 17, 2011

15:00 **Welcome and Introduction**

15:15 - 16:30 **Session 1**

INVASION AND METASTASIS

Discussion leader: Peter Vajkoczy

15:15 The role of platelets in enhancing metastasis
Richard Hynes, Cambridge

15:45 Intravital imaging of melanoma metastasis and endothelial cell dynamics
Erik Sahai, London

16:15 **Blitz** Engineering locally invasive and metastatic tumors via genome-wide RNA-
interference *in vivo*
Amir Abdollahi, Heidelberg

16:30 *Coffee Break*

17:00 - 18:45 **Session 2**

THE SHIFT TOWARDS METASTASIS

Discussion leader: Heike Beck

17:00 MicroRNAs, EMT and cancer stem cells
Thomas Brabletz, Freiburg

17:30 Tissue inhibitor of metalloproteinases 1 (TIMP-1), a single factor sufficient to
create a dominant pre-metastatic niche in the liver
Achim Krüger, Munich

18:00 Distinct roles of CCR2 in the control of tumour cell extravasation
Mathias Heikenwälder, Munich

18:30 Pericyte depletion results in hypoxia associated epithelial to mesenchymal
transition and metastasis mediated by met signaling pathway
Valerie LeBleu, Boston

19:00 *Dinner*

Sunday, September 18, 2011

08:30 - 10:15 Session 3

THE TUMOR MICROENVIRONMENT

Discussion leader: Bernhard Homey

- 08:30 The systemic environment as a powerful determinant of cancer progression
Sandra McAllister, Boston
- 09:00 **Blitz** Role of microglia in mediating brain tumor angiogenesis
Peter Vajkoczy, Berlin
- 09:15 Targeting TGF- β signaling in the pro-angiogenic tumor stroma
Kristian Pietras, Stockholm
- 09:45 Exploring the molecular connection between tissue fibrosis and the emergence of lung cancer
Raghu Kalluri, Boston
- 10:15 *Group photo*
- 10:30 *Coffee Break*

11:00 - 12:15 Session 4

SIGNALING DURING TUMOR PROGRESSION I

Discussion leader: Amparo Acker-Palmer

- 11:00 EGFR signaling networks in cancer development
Maria Sibilio, Vienna
- 11:30 **Blitz** Virus-induced Notch-MT1-MMP axis leads to lymphatic endothelial-to-mesenchymal transition
Päivi Ojala, Helsinki
- 11:45 Dissecting signaling pathways in breast cancer bone metastasis
Yibin Kang, Princeton
- 12:30 *Lunch*

13:30 - 15:00 Poster Session I

15:00 - 16:00 **Session 5**

SIGNALING DURING TUMOR PROGRESSION II

Discussion leader: Bence Sipos

- 15:00 Prolyl hydroxylase-2 controls tumor growth and angiogenesis
Georg Breier, Dresden
- 15:30 **Blitz** EphA2 driven migratory process induced by inhibition of VEGFR-2 in NSCLC
Roland Ullrich, Cologne
- 15:45 **Blitz** EphrinB2 repression mediates evasive tumour resistance to anti-angiogenesis
Till Acker, Giessen

16:30 - 22:00 **Tumor-vessel goes climbing**

Monday, September 19, 2011

09:00 - 10:15 **Session 6**

STEM CELLS DURING TUMOR PROGRESSION

Discussion leader: Klaus Preissner

- 09:00 Dormant blood stem cells and circulating cancer stem cells
Andreas Trumpp, Heidelberg
- 09:30 **Blitz** Hypoxia and acidosis synergistically control the maintenance of cancer stem cells through Hsp90
Boyan Garvalov, Giessen
- 09:45 Cancer stem cells and their interaction with micro-environment are key factors in metastatic progression
Joerg Huelskens, Lausanne
- 10:15 *Coffee Break*

10:45 - 11:45 **Session 7**

PERIVASCULAR CELLS DURING TUMOR PROGRESSION

Discussion leader: Frauke Alves

- 10:45 Exploring novel roles of tumor pericytes
Guillem Genové, Stockholm
- 11:15 Pericytes in developmental and tumor angiogenesis
Clare Isacke, London
- 12:00 *Lunch*

13:30 - 14:45 **Session 8**

NEW DEVELOPMENTS IN TREATING CANCER I

Discussion leader: Ben Wielockx

- 13:30 Vascular dynamics and anti-angiogenic therapy
Lance Munn, Charlestown
- 14:00 **Blitz** Concerted action of CD44 and receptors such as VEGFR-2, c-Met and CXCR4 in angiogenesis and metastasis
Véronique Orian-Rousseau, Karlsruhe
- 14:15 Interplay between tumor-derived angiogenic factors in regulation tumor growth, metastasis and host survivals
Yihai Cao, Stockholm

14:45 - 16:00 **Session 9**

NEW DEVELOPMENTS IN TREATING CANCER II

Discussion leader: Hellmut Augustin

- 14:45 Therapeutic implications of rapid cytotoxic drug-induced mobilization of intravascular or perivascular bone marrow derived cell populations
Robert Kerbel, Toronto
- 15:15 **Blitz** Targeted vascular manipulation to increase drug delivery and therapeutic efficacy
Erik Henke, Wuerzburg
- 15:30 Vascular tumor targeting: Basic research and results from clinical studies
Dario Neri, Zuerich
- 16:00 *Coffee Break*

16:15 - 18:15 **Poster Session II**

- 18:30 *Dinner*

Tuesday, September 20, 2011

8:30 - 09:45 Session 10

IMMUNE SYSTEM AND METASTASIS I

Discussion leader: Christoph Klein

8:30 Dysregulated lung homeostasis involving the TLR4-SAA3 system in Clara cells and Eph-ephrin signaling establishes lung metastasis
Yoshiro Maru, Tokyo

9:00 **Blitz** VEGFR targeting elicits metastasis by modification of myeloid cells in a zebrafish xenograft model
Ewa Snaar-Jagalska, Leiden

9:15 **Blitz** Enhanced platelet activation mediates the accelerated angiogenic switch in mice lacking histidine-rich glycoprotein
Anna-Karin Olsson, Uppsala

9:30 **Blitz** EGFR/Ras-induced CCL20 production in tumor cells critically contributes to angiogenesis and tumor progression
Andreas Hippe, Duesseldorf

09:45 *Coffee Break*

10:15 - 11:30 Session 11

IMMUNE SYSTEM AND METASTASIS II

Discussion leader: Jonathan Sleeman

10:15 Role of inflammation in cancer cell dissemination
Jean-Pierre Abastado, Singapore

10:45 **Blitz** Conversion of transmembrane TNF- α to soluble TNF- α induces senescence of circulating highly proliferative endothelial progenitor cells
Linden Green, Indianapolis

11:00 Tie2-expressing macrophages are regulators of more than just angiogenesis in tumours: Role in tumour immunosuppression and responses to therapy
Russell Hughes, Sheffield

End of meeting

12:00 *Lunch*

13:00 *Departure of shuttle buses*