

PROGRAM

Saturday, March 08, 2014

15:00 **Welcome and Introduction**
Hellmut Augustin

Session 1 **NOVEL MOUSE MODELS**
15:15 - 16:35 Discussion leader: Manolis Pasparakis

15:15 Unraveling therapy resistance in mouse models of human breast cancer
Jos Jonkers, Amsterdam, The Netherlands

15:45 **Blitz** A dual recombination system for time and host specific genetic manipulation of
pancreatic cancer
Dieter Saur, Munich, Germany

16:05 Modeling human B cell lymphomas and lymphoma immune surveillance
in mice
Klaus Rajewsky, Berlin, Germany

16:35 *Coffee Break*

Session 2 **NOVEL TECHNOLOGIES IN CANCER RESEARCH**
17:00 - 18:30 Discussion leader: Jan Gronych

17:00 The "Co-Clinical" Trial Project
Andrea Lunardi, Boston, USA

17:30 **Blitz** Forward genetic screening approaches in the mouse to uncover molecular
networks of tumorigenesis
Roland Rad, Munich, Germany

17:50 **Blitz** Using the CRISPR/Cas-system in somatic gene transfer for rapid murine tumor
model generation
Marc Zuckermann, Heidelberg, Germany

18:10 **Blitz** Therapeutic targeting of a synthetic lethal interaction between PRKDC and
ATM in B-NHL
Christian Reinhardt, Cologne, Germany

19:00 *Dinner*

20:30 *Informal get-together in the Klosterstüberl*

Sunday, March 09, 2014

Session 3 NOVEL MODELS IN BRAIN TUMOR RESEARCH

09:00 - 10:30 Discussion leader: Jürgen Ruland

9:00 Mouse models of Malignant GBM: Cancer stem cells and beyond
Luis Parada, Dallas, USA

9:30 **Blitz** Generation of spontaneously developed mouse model of human group 3
medulloblastoma
Daisuke Kawauchi, Heidelberg, Germany

9:50 Systems biology approaches to gene discovery in a GEM model for neuroblastoma
William Weiss, San Francisco, USA

10:30 *Group photo*

10:45 *Coffee Break*

Session 4 INVASION AND METASTASIS

11:15 - 13:00 Discussion leader: Thomas Wirth

11:15 The functional role of tumor stroma in cancer progression and
metastasis
Raghu Kalluri, Houston, USA

11:45 **Blitz** Role of estrogen/PI3K/NRF2 axis in BRCA1 tumor suppression
Chiara Gorrini, Toronto, Canada

12:05 Progress in pancreatic cancer
David Tuveson, Cold Spring Harbor, USA

12:35 **Blitz** A mouse model on human disseminated cancer cells from non-metastatic
melanoma patients
Melanie Werner-Klein, Regensburg, Germany

13:00 *Lunch*

14:00 - 16:00 POSTER SESSION I

Session 5 SIGNALING DURING TUMOR PROGRESSION

16:00 - 17:40 Discussion leader: Ulrike Stein

16:00 Animal models of metabolic adaptation in cancer cells
Tak Mak, Toronto, Canada

16:30 **Blitz** T-cells trigger NASH and NASH-induced HCC development through hepatocyte-
specific LT β R
Mathias Heikenwälder, Munich, Germany

- 16:50 Targeting K-Ras Signaling in Cancer
Mariano Barbacid, Madrid, Spain
- 17:20 **Blitz** Neural Crest-specific expression of Lin28b induces neuroblastoma in mice
Johannes Schulte, Essen, Germany

18:00 - 22:00 **PCCC GOES SEEON**

Monday, March 10, 2014

Session 6 GI TUMORS

09:15 - 10:30 Discussion leader: Christian Buske

- 09:15 Direct in vivo RNAi screening for accelerated cancer gene discovery in hepatobiliary tumors
Lars Zender, Tübingen Germany
- 09:45 **Blitz** A novel conditional adult hepatocellular carcinoma mouse model for pre-clinical evaluation of anti-angiogenic therapy
Anja Runge, Heidelberg, Germany
- 10:05 **Blitz** Hedgehog signaling in murine colorectal cancer
Marco Gerling, Stockholm, Sweden
- 10:30 *Coffee Break*

Session 7 TUMOR MICROENVIRONMENT

11:00 - 12:00 Discussion leader: Mathias Heikenwälder

- 11:00 Parainflammation in cancer
Yinon Ben-Neriah, Jerusalem, Israel
- 11:30 Harnessing death for life
Suzanne Cory, Melbourne, Australia
- 12:15 *Lunch*

14:00 - 16:00 **POSTER SESSION II**

Session 8 STEM CELLS AND CANCER

16:00 - 17:50 Discussion leader: Klaus-Michael Debatin

- 16:00 Mesenchymal and MDS stem cells shape an interactive disease unit in the bone marrow
Andreas Trumpp, Heidelberg, Germany
- 16:30 **Blitz** Progenitor deprivation provokes T cell acute lymphoblastic leukemia
Vera Martins, Heidelberg, Germany

- 16:50 Function of the E3 ubiquitin ligase Fbw7 in stem cells and tumor suppression
Axel Behrens, London, UK
- 17:20 Modeling skin cancer in the mouse: Stem cell origin and role of
Hedgehog signaling
Rune Toftgard, Stockholm, Sweden
- 18:30 *Dinner*
- 20:30 *Informal get-together in the Klosterstüberl*

Tuesday, March 11, 2014

Session 9 **TUMOR HETEROGENEITY**
8:45 - 09:45 Discussion leader: Peter Lichter

- 08:45 Tumor heterogeneity and cell-of-origin of mouse small cell and non-small-cell
lung cancer
Anton Berns, Amsterdam, The Netherlands
- 09:15 Evidence and significance of cellular heterogeneity in mouse high-grade gliomas
Hai-Kun Liu, Heidelberg, Germany
- 09:45 *Coffee Break*

Session 10 **NOVEL APPROACHES IN CANCER THERAPY**
10:15 - 11:45 Discussion leader: Hellmut Augustin

- 10:15 Full humanization of the mouse immunoglobulin loci for therapeutic antibody
discovery
Allan Bradley, Cambridge, UK
- 10:45 **Blitz** Chemotherapy promotes cancer stemness via senescence-related reprogramming
Clemens Schmitt, Berlin, Germany
- 11:05 Mouse models to test human cancer immuno-therapeutics
Gavin Thurston, Tarrytown, USA
- 11:35 Concluding Remarks

End of meeting

- 12:00 *Lunch*
- 13:00 *Departure of shuttle buses*