Invitation

Dear colleagues,

The well-orchestrated movement of cells is necessary for the development of multicellular organisms as well as for the homeostasis of normal tissues. Aberrant cell motility, on the other hand, is a key feature of many pathological processes, most importantly for tissue invasion and metastasis of cancer.

The SFB 850 set out in 2010 to link basic research on cell motility in embryonic development with tumor biology and their translation into clinical cancer research. In the forthcoming international symposium "Control of Cell Motility in Development and Cancer" we would like to facilitate discussion among attendees and world-renowned experts about the state-of-the art in the field.

On behalf of the organization committee, I cordially invite you to participate in our symposium.

There is no registration fee, however, please register at: www.sfb850.uni-freiburg.de.

Sincerely yours,

Christoph Peters
(Coordinator SFB 850)

Registration and program
www.sfb850.uni-freiburg.de

Organization

Organizing and Scientific Program Committee

SFB 850
"Control of Cell Motility in Morphogenesis, Cancer Invasion and Metastasis"

Thomas Brabletz
Tilman Brummer
Meike Burger
Wolfgang Driever
Andreas Hecht
Christoph Peters
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Conference Venue
Otto-Krayer-Haus
Institut für Experimentelle und Klinische Pharmakologie und Toxikologie
Albertstraße 25
79104 Freiburg im Breisgau

Registration and program
www.sfb850.uni-freiburg.de

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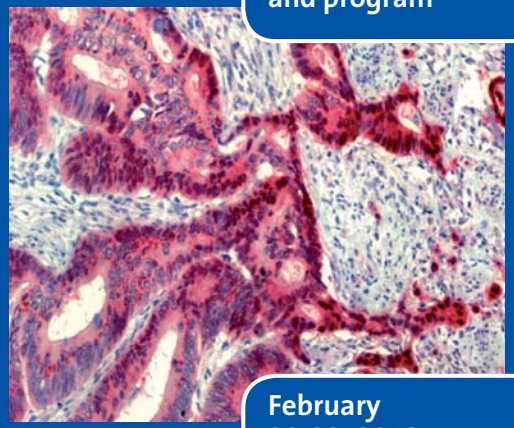
SFB 850

INTERNATIONAL SYMPOSIUM

Control of Cell Motility in Development and Cancer

Invitation and program



February 20-22, 2013

Location:
Lecture Hall
Otto-Krayer-Haus
Albertstr. 25
79104 Freiburg

UNIVERSITÄTS KLINIKUM FREIBURG
CCCF COMPREHENSIVE CANCER CENTER FREIBURG

DFG Deutsche Forschungsgemeinschaft

UNI FREIBURG

Wednesday, February 20th

14:00 **Registration**

16:00 **Opening of the meeting (Christoph Peters)**

Session 1: Control of Cell Motility in a Nutshell
(Chair: Christoph Peters)

16:05 **Sebastian Arnold (Freiburg)**
Coordination of Trophoblast Stem Cell behaviour by the histone demethylase LSD1.

16:35 **Erik Sahai (London)**
Cancer cell invasion in complex environments.

17:05 **Roland Schüle (Freiburg)**
LSD1 and friends coordinate migration and invasiveness.

17:35 **Coffee break**

Keynote Lecture

18:00 **Michael Clarke (Stanford)**
Regulation of self-renewal in normal stem cells and disease.

19:00 **Reception**

Thursday, February 21st

Session 2: Cell Motility in Development
(Chair: Tilman Brummer and Robert Zeiser)

9:00 **Carl-Philipp Heisenberg (Vienna)**
Cell and tissue mechanics in zebrafish gastrulation.

9:30 **Wolfgang Driever (Freiburg)**
Mechanisms controlling E-cad endocytosis, adhesion, and cell behavior during early zebrafish gastrulation.

10:00 **Lila Solnica-Krezel (St. Louis)**
Genetic and epigenetic regulation of cell polarity during zebrafish gastrulation.

10:30 **Coffee break**

11:00 **Erez Raz (Münster)**
Motility and directed mogration of zebrafish primordial germ cells.

11:30 **Leena Bruckner-Tuderman (Freiburg)**
Shedding of keratinocyte adhesion molecule collagen XVII modulates epidermal regeneration.

12:00 **Yibin Kang (Princeton)**
Novel regulations of epithelial-mesenchymal transition in mammary gland development and breast cancer metastasis.

12:30 **Lunch break**

13:30 **Poster session (+coffee)**

Session 3: Regulation of Invasion by Cancer Cell Autonomous Signalling
(Chair: Thomas Reinheckel)

16:00 **Roland Foisner (Vienna)**
Nucleoplasmic lamins regulate chromatin organization and gene expression in tissue progenitor cells.

16:30 **Thomas Brabletz (Freiburg)**
EMT, microRNAs and Cancer Stem Cells.

17:00 **Holger Kalthoff (Kiel)**
TRAIL-Receptor-1 and -2: from a death receptor towards an oncogene?

17:30 **Coffee break**

18:00 **Tilman Brummer (Freiburg)**
New facets of oncogenic B-Raf signaling.

18:30 **Gerhard Christofori (Basel)**
Transcriptional control of EMT and cancer metastasis.

Friday, February 22nd

Session 4: Microenvironmental Impact on Invasion and Metastasis
(Chair: Thomas Brabletz)

9:00 **Albrecht Neesse (Marburg)**
Pancreatic cancer medicine in mice.

9:30 **Thomas Reinheckel (Freiburg)**
Impact of cancer- and stroma-cell derived lysosomal proteases on cancer invasion and metastasis.

10:00 **Tobias Pukrop (Göttingen)**
Carcinoma cells misuse the host tissue danger response to invade the brain.

10:30 **Coffee break**

11:00 **Margareta Müller (Furtwangen)**
Stromal cell interaction promoting angiogenesis and tumor progression.

11:30 **Dean Felsher (Stanford)**
Modeling cancer progression and metastasis.

12:00 **Robert Zeiser (Freiburg)**
Immunosuppression in the tumor microenvironment following stem cell transplantation.

12:30 **Peter Friedel (Nijmegen)**
Serial killing of cancer cells by migrating CTL: impact of the microenvironment.

13:00 **Lunch break**

Session 5: Translation to Human Cancer and Novel Therapeutic Approaches
(Chair: Leena Bruckner-Tuderman)

15:00 **Johanna Joyce (New York)**
Macrophages as a therapeutic target in cancer.

15:30 **Andreas Hecht (Freiburg)**
Silencing of tumor suppressor genes by multimodal decommissioning of transcriptional enhancers.

16:00 **Jörg Hülsken (Lausanne)**
Metastatic colonization: new opportunities for therapeutic intervention.

16:30 **Coffee break**

17:00 **Silke Lassmann (Freiburg)**
Crossing the bridge to therapeutic targeting of receptor tyrosine kinase signaling in esophageal cancers.

17:30 **Christine Dierks (Freiburg)**
The role of the serine-threonine kinase fused in the pathogenesis of solid tumors.

18:00 **Simone Fulda (Frankfurt am Main)**
Cell death signaling and cancer therapy.

18:30 **Final remarks**

19:30 **Speakers´ dinner**