

Dear colleagues,

The tight regulation of cell motility is crucial for proper embryonic development and adult tissue homeostasis. Aberrant activation of embryonic signaling pathways controlling cell motility enables cancer cells to invade foreign tissues. Furthermore, the establishment of a specific tumor microenvironment contributes to successful tissue invasion and metastasis of malignant cells.

In the SFB 850, developmental biologists, basic and translational cancer researchers as well as clinicians joined forces to study the mechanisms underlying cellular motility. During the forthcoming 2nd International Symposium *Control of Cell Motility in Development and Cancer*, participants and world-renowned experts will discuss the current state of the art in this exciting field of biomedical sciences.

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

Organizing and Scientific Program Committee

SFB 850

“Control of Cell Motility in Morphogenesis, Cancer Invasion and Metastasis“

Sebastian Arnold
Tilman Brummer
Wolfgang Driever
Jochen Maurer
Christoph Peters
Robert Zeiser

Contact

Dr. Nils Post
Hugstetter Straße 55
79106 Freiburg
Telefon 0761 270-71511
Telefax 0761 270-33980
nils.post@uniklinik-freiburg.de

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



2nd INTERNATIONAL SYMPOSIUM Control of Cell Motility in Development and Cancer

Invitation
and program



March
11-13, 2015

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

MEDIENHAUS DENZLINGEN · 07666 / 8821-0 · www.medienhaus-denzlingen.de



Wednesday, March 11th

14.00 h **Registration**

16.00 h **Opening of the meeting**
(Christoph Peters)

16.05 h **Session I**
Cell motility in development
(Chair: Sebastian Arnold)

16.05 h **Darren Gilmour (Heidelberg)**
Collective cell biology of tissue migration

16.35 h **Wolfgang Driever (Freiburg)**
Control of cell adhesion and motility in the early zebrafish gastrula

17.05 h **Klemens Rottner (Braunschweig)**
Molecular regulation of cell protrusion and migration

17.35 h **Coffee Break**

18.00 h **Toma Yakulov (Freiburg)**
The role of the cancer-associated adhesion molecule EpCAM in collective cell migration and repair

18.30 h **Stefano Piccolo (Padua)**
YAP/TAZ and stem cells

19.00 Reception

Thursday, March 12th

9.00 h **Session II**
Tumor microenvironment
(Chair: Robert Zeiser)

9.00 h **Burkhard Becher (Zürich)**
Interleukin 12, a new/old tumor suppressor

9.30 h **Thomas Reinheckel (Freiburg)**
Lysosomes and lysosomal proteases contribute to shape the tumorigenic microenvironment

10.00 h **Patrick Michl (Halle)**
Transcriptional networks in the tumor-stroma crosstalk as modulators of tumor progression and metastasis

10.30 h **Coffee Break**

11.00 h **Alana Welm (Oklahoma City)**
Mechanisms of breast cancer metastasis - interplay between tumor and host

11.30 h **Anna-Katerina Hadjantonakis (New York)**
Cell intercalation as a mechanism driving endoderm morphogenesis in the mouse embryo

12.00 h **Jörn Dengjel (Freiburg)**
Deregulated microenvironment of cancer associated fibroblasts

12.30 h **Rama Khokha (Toronto)**
Global regulation of microenvironment through TIMP deletion

13.00 h **Lunch Break**

13.30 h **Poster session with coffee**

16.00 h **Session III**
Cell movements in the epithelia
(Chair: Tilman Brummer)

16.00 h **Cédric Blanpain, (Leuven)**
Mechanisms regulating tumor heterogeneity and malignant progression in skin squamous cell carcinoma

16.30 h **Claus-Werner Franzke (Freiburg)**
Shedding of transmembrane collagen XVII regulates cell proliferation & motility during epidermal regeneration and carcinoma invasion

17.00 h **Hana Androlova (Freiburg)**
The role of biglycan in melanoma metastasis

17.30 h **Coffee Break**

18.00 h **Andreas Hecht (Freiburg)**
Transcriptional silencing of tumor suppressor genes by enhancer decommissioning provides new insights into the disruption of regulatory circuits in colorectal cancer

18.30 h **Holger Kalthoff (Kiel)**
Role of nuclear TRAIL-receptors in invasion and metastasis

Friday, March 13th

9.00 h **Session IV**
Carcinoma progression
(Chair: Thomas Reinheckel)

9.00 h **Jos Jonkers (Amsterdam)**
Conditional mouse models of invasive lobular breast carcinoma

9.30 h **Thomas Brabletz (Erlangen)**
Cellular plasticity in cancer: driving force and therapeutic target

10.00 h **Jing Yang (San Diego)**
Epithelial-mesenchymal plasticity in carcinoma metastasis

10.30 h **Coffee Break**

11.00 h **Jochen Maurer (Freiburg)**
Targeting cancer stem cells from triple negative breast cancer with differentiation therapy

11.30 h **Laura Machesky (Glasgow)**
Role of the actin cytoskeleton and invadopodia proteins in invasion and metastasis of pancreatic cancer

12.00 h **Tilman Brummer (Freiburg)**
B-Raf inhibitors induce epithelial differentiation in *BRAF* mutant colorectal cancer cells

12.30 h **Arndt Hartmann (Erlangen)**
Bladder Cancer - Molecular markers in prediction of therapy response and prognosis

13.00 h **Lunch Break**

15.00 h **Session V**
Transcriptional and epigenetic programs controlling EMT
(Chair: Christoph Peters)

15.00 h **Simone Fulda (Frankfurt)**
Novel opportunities for targeting cell death pathways in cancer

15.30 h **Gerhard Christofori (Basel)**
Transcriptional control and cell plasticity during EMT and malignant tumor progression

16.00 h **Roland Schüle (Freiburg)**
Lysine-specific demethylase 1 (LSD1) controls migration and invasion

16.30 h **Coffee Break**

17.00 h **Introduction to Dr. Robert A. Weinberg**

17.05 h **Keynote lecture**
Robert Weinberg (Cambridge)
Cancer stem cells and the mechanisms of malignant progression

18.05 h **Final remarks (Christoph Peters)**

19.30 h **Speakers' Dinner**