



**Friday, October 7<sup>th</sup>**

**Multimedia Room, Life Science Building**

**Session III Aging**  
Introduction and Chair:  
**Hartmut Geiger** (Ulm, D)

- 16:00 - 16:20 Florentina Ferchiu** (Ulm, D)  
Altered Redox Signaling in Senescent Human Dermal Fibroblasts
- 16:20 - 16:40 Ali Hyder Baig** (Ulm, D)  
Determination of molecular mechanisms involved in telomere length regulation and aging in stem cells
- 16:40 - 17:00 Bettina Überle** (Ulm, D)  
DNA damage response in hematopoietic stem cells and aging
- 17:00 - 17:20 Heli Härönen** (Oulu, FIN)  
Collagen XIII – a novel neuromuscular junction component

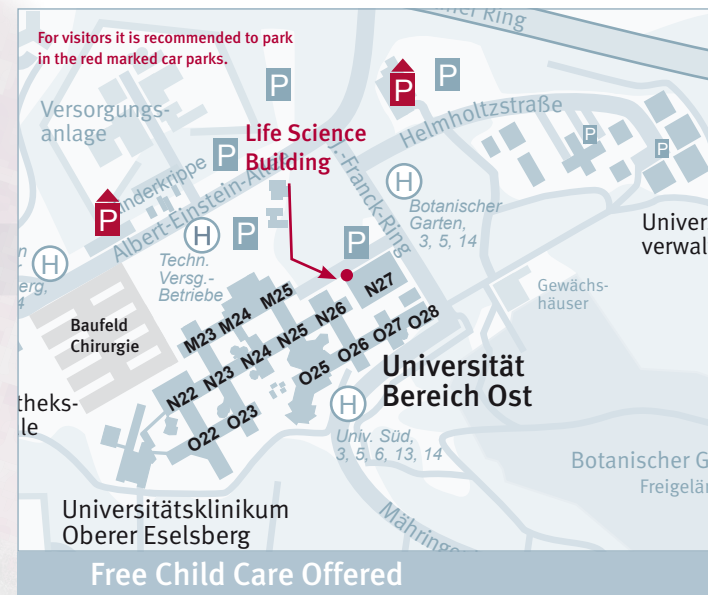
- 09:00 - 09:40 Michael Hemann** (Cambridge, USA)  
Assessing the role of the tumor micro-environment in chemotherapeutic response
- 09:40 - 10:00 Joachim Bischof** (Ulm, D)  
Identification and characterization of CK1 C-terminal targeted kinases
- 10:00 - 10:20 Katrin Edmaier** (Ulm, D)  
Dissecting the role of Lef1 in normal and malignant hematopoiesis
- 10:20 - 10:50 Coffee Break and Poster Session**
- 10:50 - 11:10 Katrin Faber** (Ulm, D)  
Identification of CDX2 targets in acute myeloid leukemia
- 11:10 - 11:30 Alpaslan Tasdogan** (Ulm, D)  
The role of Mixed-Lineage-Leukemia-5 (MLL5) in haematopoiesis
- 11:30 - 11:50 Garima Jain** (Ulm, D)  
Defining the IkappaB-kinase as a potential novel drug target to treat androgen independent prostate cancer
- 11:50 - 12:30 Hanno Glimm** (Heidelberg, D)  
Distinct types of human colon cancer tumor initiating cells in tumor and metastasis formation
- 12:30 Christian Buske** (Ulm, D)  
Concluding Remarks

**Saturday, October 8<sup>th</sup>**

**Multimedia Room, Life Science Building**

**Session III Tumor Biology**  
Introduction and Chair:  
**Christian Buske** (Ulm, D)

- 08:40 - 09:00 Marco Leibinger** (Ulm, D)  
The role of mTOR and STAT3 signaling in axonal regeneration of mature retinal ganglion cells after inflammatory stimulation



We are offering free on-site child care services for children ages 0 - 12 during the meeting. Pre-registration is required till September 26, 2011. For additional information or to pre-register your child, please contact Julia Kutzenberger at  
Phone: +49 (0) 731/50-36293  
E-Mail: julia.kutzenberger@uni-ulm.de

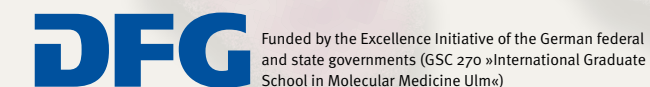
**Contact**

**Ulm University**  
**International Graduate School in Molecular Medicine Ulm**

**Chairman:** Prof. Dr. Michael Kühl  
**Managing Director:** PD Dr. Dieter Brockmann

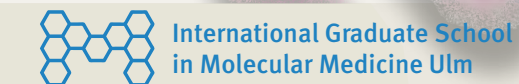
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**Fall Meeting 2011**

**October 06 - 08**  
**Life Science Building**  
Meyerhofstraße | N27  
D-89081 Ulm



## Thursday, October 6<sup>th</sup>

### Multimedia Room, Life Science Building

#### Session I Pathomechanisms

Introduction and Chair:  
**Michael Kühl** (Ulm, D)

**13:00 - 13:20** **Ivonne Brock** (Ulm, D)  
Functions and interactions of HCMV pUL48

**13:20 - 13:40** **Marita Führer** (Ulm, D)  
Novel candidate genes as a cause of severe combined immunodeficiency

**13:40 - 14:00** **Sarah Gul** (Ulm, D)  
Activation of FOXO3a in the liver induces hypoglycaemia and metabolic dysfunction

**14:00 - 14:20** **Anna-Lena Janssen** (Ulm, D)  
Characterization of mice missing the autism spectrum disorders associated protein ProSAP2

**14:20 - 14:40** **Derek Lundberg** (Chapel Hill, USA)  
The root-associated microbiota as an extended phenotyp

**14:40 - 15:10** **Coffee Break and Poster Session**

#### Session II Structural Biology

Introduction and Chair:  
**Peter Gierschik** (Ulm, D)

**15:10 - 15:50** **Klaus Scheffzek** (Innsbruck, A)  
Deriving biochemical functions from protein structure

**15:50 - 16:10** **Anja Bühler** (Ulm, D)  
Inhibitory and activational control of phospholipase C-g2

**16:10 - 16:30** **Maren Lillich** (Ulm, D)  
Delivery of mono-biotinylated RNaseA into macrophages with the C3Mut-Streptavidin transporter

**16:30 - 17:10** **Axel Scheidig** (Kiel, D)  
Tracking conformational changes by X-ray crystallography exemplified by H-Ras p21

**17:10 - 17:50** **Kendall T. Harden** (Chapel Hill, USA)  
Mechanism of activation and inactivation of Gq/phospholipase C-beta signaling nodes

**18:00** **Afternoon Lecture**  
**Alfred Wittinghofer** (Dortmund, D)  
Ras-like GTP binding proteins and diseases

**Graduation Ceremony**

**Come-Together-Party**

## Friday, October 7<sup>th</sup>

### Multimedia Room, Life Science Building

#### Session I Developmental and Stem Cell Biology

Introduction and Chair:  
**Petra Pandur** (Ulm, D)

**08:30 - 09:10** **Stefan Hoppler** (Aberdeen, UK)  
Wnt signalling and Wnt inhibitors in heart development

**09:10 - 09:30** **Yanchun Guo** (Ulm, D)  
The Role of Dkk1 during Xenopus Cardiogenesis

**09:30 - 09:50** **Kathrin Werner** (Ulm, D)  
Deciphering the molecular function of Tailup in establishing heart and hematopoietic cell fates in Drosophila

**09:50 - 10:10** **Wiebke Cizelsky** (Ulm, D)  
Characterization of alcam function during eye development

**10:10 - 10:40** **Coffee Break and Poster Session**

**10:40 - 11:00** **Kerry Dorr** (Chapel Hill, USA)  
Castor and cell fate decisions in the mammalian heart

**11:00 - 11:20** **Leonhard Linta** (Ulm, D)  
Generation of iPS cells from Phelan-McDermid syndrome patients

**11:20 - 11:40** **Michael Schmeisser** (Ulm, D)  
Molecular mechanisms of synapse development

**11:40 - 12:00** **Whitney Heavner** (Chapel Hill, USA)  
The role of SOX2 in optic cup patterning

**12:00 - 12:40** **Frank Conlon** (Chapel Hill, USA)  
TBX20 and early heart development

**12:40 - 13:30** **Lunch Break**

#### Session II Ion channels

Introduction and Chair:  
**Birgit Liss** (Ulm, D)

**13:30 - 14:10** **Paul Miller** (Oxford, UK)  
Structural studies of GABA-A receptors

**14:10 - 14:30** **Chunxiang Fan** (Ulm, D)  
Gating pore currents caused by Cav1.1 voltage sensor mutations linked to hypokalemic periodic paralysis

**14:30 - 14:50** **Christina Pötschke** (Ulm, D)  
Defining the role of L-type calcium channels in substantia nigra dopaminergic midbrain neurons

**14:50 - 15:30** **Olivia Shipton** (Oxford, UK)  
Impaired synaptic function in an Alzheimer's disease model

**15:30 - 16:00** **Coffee Break and Poster Session**