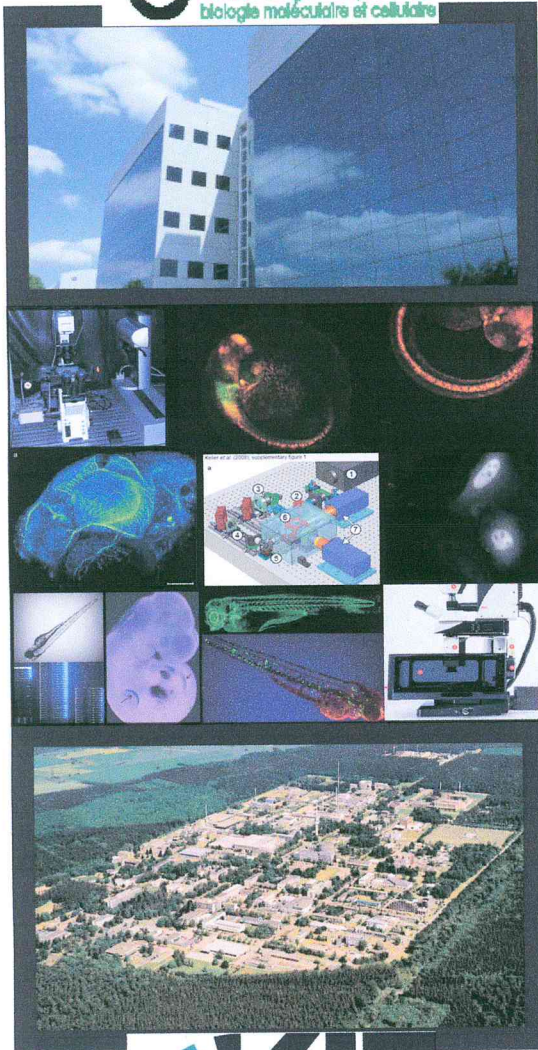


**BIF/IGBMC Meeting
Karlsruhe/Strasbourg**

igbmc
Institut de génétique et de
biologie moléculaire et cellulaire



KIT
Karlsruhe Institute of Technology

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Hermann-von-Helmholtz-Platz 1
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**BIF/IGBMC Meeting
Karlsruhe/Strasbourg**

PROGRAMME: 24th November

- 09:00-09:15 U.Strähle and L. Barner: *Welcome*
- 09:15-09:45 P. Koch: *Pluripotent stem cell-based modeling of neurodegenerative disease*
- 09:45-10:05 H. Puccio: *Development new models for Friedreich ataxia using induced pluripotent stem cells*
- 10:05-10:25 J. Sleeman: *Regulation of tumor cell behaviour by the 3D microenvironment*
- 10:25-10:45 A. Giangrande: *Molecular and epigenetic mechanism of cell fate choices in the nervous system*
- 10:45-11:05 N. Charlet: *Two examples of RNA gain of function diseases: Myotonic dystrophy and FXTAS*
- 11:05-11:25 C. Barner-Kowollik: *Advanced polymer chemistry for precision material design-Perspective for the soft matter lab platform*
- 11:25-11:45 A. Helmrich: *Collisions between replication and transcription complexes cause common fragile site instability at the longest human genes*
- 11:45-13:00 **Lunch**
- 13:00-13:30 O. Pourquié: *Making muscle from embryonic stem cells*
- 13:30-13:50 S. Giselbrecht: *Engineering artificial niches for stem cells*
- 13:50-14:10 C.Rochette-Egly: *Retinoic acid-induced differentiation of mouse embryonic stem cells*
- 14:10-14:30 E. Gottwald: *Design and characterization of an in vitro hematopoietic stem cell niche*
- 14:30-14:50 P. Levkin: *Porous polymer surfaces for cell microarrays and cell patterning*
- 14:50-15:10 **coffee break**
- 15:10-15:40 A.D. Ho: *Networking between stem cells and cellular determinants of the bone marrow niche*
- 15:40-16:00 B.Kieffer: *Molecular mechanism of RAR γ -vixen β interaction and its modulation by serine phosphorylation*
- 16:00-16:20 I. Davidson: *TIF1a-related TRIM proteins in transcription regulation and carcinogenesis*
- 16:20-16:40 G. Davidson: *Identification of cell signaling modifiers using Biosensor*
- 16:40-17:00 A. Welle: *Time-of-Flight Secondary Ion Mass Spectrometry*
- 17:00-17:20 H. Gronemeyer: *Systems biology of nuclear receptors*
- 17:30 **BIF tour**
- 19:15 **Transfer to hotel**
- 20:00 **Dinner**

PROGRAMME: 25th November

- 09:00-09:30 U. Strähle: *Adult neurogenesis in zebrafish*
- 09:30-09:50 V. Taylor: *Niche regulation of stem cell subpopulations in the mammalian brain*
- 09:50-10:10 O.Kassel: *A trip (6) to skeletal muscle differentiation*
- 10:10-10:30 J. Laporte: *Membrane remodeling and trafficking defects involved in human myopathies*
- 10:30-10:50 S. Bräse: *Soft Matter and Functional Materials: From Material Sciences to Nano-Biology*
- 10:50-11:10 **coffee break**
- 11:10-11:30 D. Rivelino: *Examples of cell physics phenomena*
- 11:30-11:50 S. Scholpp: *Functional analysis of canonical Wnt signalling in forebrain development*
- 11:50-12:10 J. Kashef: *Simultaneous selective activation of Wnt/ β -catenin signaling transduction in a gradient generating microfluidic chip*
- 12:10-12:30 S. Viville: *Tex19 genes, new actors in the reprogramming of primordial germ cells*
- 12:30-12:50 L. Centanin: *Multipotency and Fate Restriction in Fish Retinal Stem Cells*
- 12:50-13:50 **Lunch**
- 13:50-14:20 M. Labouesse: *Cell-cell interactions through mechanical signals in development*
- 14:20-14:40 P.Schultz: *Electron Tomography at the interface between biological and material sciences*
- 14:40-15:00 S. Jarriault: *A new in vivo paradigm to study cellular potential*
- 15:00-15:20 J. Vermot: *Addressing the fluid mechanics of the developing cardiovascular system in zebrafish*
- 15:20-15:40 O. Poch: *Multilevel impact errors in modern biology*
- 15:40-16:00 A. Rosenhahn: *Model surfaces, microfluidics and holography for a mechanistic understanding of marine biofouling*
- 16:00-16:20 **Summary**
- 16:30 **BIF tour (Repetition from Thursday)**