



**Studenteninitiative
Molekulare Medizin**



4th Students' Symposium of Molecular Medicine Translational Approaches to Molecular Medicine

29 Oct. 2009 – 01 Nov. 2009, Erlangen, Germany

Celebrating 10 years of Molecular Medicine in Erlangen

www.symposium.molmed.eu



**Emil Fischer Center of Biochemistry
Fahrstrasse 17
91054 Erlangen**



MLP



SFB 423



FOR 661
Deutsche
Forschungsgemeinschaft

Multimodale Bildgebung in der präklinischen Forschung



GK 1071



Thursday 29-10-2009:

- 17:00 - 18:30 Registration
- 18:30 - 18:45 Welcome: **C.-M. Becker, N. Pfanner (GBM)** Chair: Stephan Ellmann
- 18:45 - 19:30 **Giulio Cossu**, Milan: Mesangioblasts for the cell therapy of muscular dystrophy
- 19:30 - 20:00 In Memoriam Prof. R. Graßmann: **Kuan-Teh Jeang**, NIH, Bethesda:
HTLV-1 research after three decades: Insights into cellular transformation mechanisms for ATL (adult T-cell leukemia)

Evening: Erlangen Pub Crawl

Friday 30-10-2009:

08:30 - 10:45: Neurosciences Chair: Martin Eberhardt

- **C. Villmann**, Erlangen: Glycine receptor domains and their importance for protein functionality en route to molecular therapy
 - **A. Zimmer**, Bonn: Neuromodulators as regulators of mouse behavior
 - **P. Tripal**, Erlangen: Antidepressant drugs adjust dysregulated phospholipid metabolism
- 10 minutes discussion per talk – 15 minutes break

10:45 - 12:45: Regulation of Transcription Chair: Manuela Hügler

- **M. Goppelt-Strübe**, Erlangen: Cell type-dependent regulation of Connective Tissue Growth Factor gene expression
 - **T. Stamminger**, Erlangen: Interplay between human cytomegalovirus infection and host defense by PML nuclear bodies
 - **M. Finzsch**, Erlangen: The transcription factor Sox10 is required for multiple steps in Schwann cell development
- 10 minutes discussion per talk – 15 minutes break/buffer

12:45 - 14:00: Lunch break

13:15 - 14:00: GBM: Meeting of the study group "Molecular Medicine" Chair: Cord-Michael Becker

14:00 - 16:15: Pain Chair: Carl-Philipp Hackstein

- **C. Nau**, Erlangen: Determinants and modulators of postoperative pain
 - **H.U. Zeilhofer**, Zürich: Mechanisms of spinal sensitization
 - **A. Lampert**, Erlangen: Gain-of-function mutations in sodium channel Nav1.7: From molecule to pain
- 10 minutes discussion per talk – 15 minutes break/buffer

16:15 - 16:45: Coffee Break

16:45 - 18:30: Innovative Therapies Chair: Stephanie Krieg

- **R. Kreutz**, Berlin: Targeting the I_f-channel
 - **K. Pfizenmaier**, Stuttgart: Death Ligands designed to kill: Engineering of TNF variants for improvement of therapeutic activity
 - **O. Heidenreich**, Newcastle: Targeting leukemic fusion genes by RNA interference
- 10 minutes discussion per talk

Evening: Speakers' Dinner / Hörsaalkino

Saturday 31-10-2009

09:00 - 11:15: Virology

Chair: Anna Wiegers

- **F. Kirchhoff**, Ulm: Role of Nef and Vpu in primate lentiviral pathogenesis and transmission
 - **Á. Föglein**, Cambridge: Host specificity of influenza A viruses – investigating the nuclear dynamics of the viral polymerase
 - **T. Winkler**, Erlangen: Protection from CMV infection in immunodeficient hosts
- 10 minutes discussion per talk – 15 minutes break/buffer

11:15 - 13:15: Immunology

Chair: Christian Lehmann

- **M. Gack**, Harvard: RIG-I- and TRIM25-mediated antiviral innate immunity and viral evasion of Influenza A virus
 - **U. Grawunder**, 4-Antibody AG, Basel: Antibody-based therapies
 - **S. Franz**, Edinburgh: Immune complexes: Promoter of apoptotic neutrophil clearance?
- 10 minutes discussion per talk – 15 minutes break/buffer

13:15 - 14:30: Lunch Break

14:30 - 16:30: Imaging

Chair: Martina Hauck

- **W. Kalender**, Erlangen: CT imaging
 - **C. Grefkes**, Köln: Imaging functional recovery after stroke
 - **E. Kohler**, Erlangen: Live-cell fluorescence microscopy in neuroscience
- 10 minutes discussion per talk

Evening: Halloween Party, Paisley Erlangen.

Free entry for everyone