

**10. BMFZ-Klausurtagung
Maria in der Aue, Wermelskirchen
20. – 21. August 2015**



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Programm

Donnerstag, 20. August 2015

14.00 h	Begrüßung	Guido Reifenberger
14.15 h – 16.00 h	Sitzung 1	Moderation: Guido Reifenberger
	A new function of protein-bound iron-sulfur clusters: Protection against nitric oxide-mediated oligodendroglial death	Carsten Berndt, Orhan Aktas, Neurologie
	N-terminally truncated A β 4-x peptides in Alzheimer's disease: significance and origin	Sascha Weggen, Neuropathologie
	A β dimers in the absence of plaque pathology impair learning and synaptic plasticity	Andreas Müller-Schiffmann, Karsten Korth, Neuropathologie
	Misassembly of full-length Disrupted-in-schizophrenia 1 (DISC1) protein is linked to altered dopamine homeostasis and behavioral deficits	Verian Bader, Karsten Korth, Neuropathologie
	Information Management in Medical Research – a Preclinical Knowledge Base for Objective Level-Of-Evidence Estimation and Hypothesis Generation in Neurotrauma Therapy Development	Nicole Brazda, Hans Werner Müller, Molekulare Neurobiologie, Neurologie
	Identification of autoantigen specific plasma cell clones in patients with autoimmune encephalitis	Norbert Goebels, Neurologie
	Applications of quantitative protein mass spectrometry in biological and biomedical research	Gereon Poschmann, Kai Stühler, Molecular Proteomics Laboratory (MPL), BMFZ
16.00 h – 16.30 h	Kaffeepause	
16.30 h – 18.15 h	Sitzung 2	Moderation: Claus Seidel
	Blood platelets contribute to the formation of Amyloid deposits in cerebral vessels via integrin α IIb β 3 induced outside-in signaling and clusterin release	Lili Donner, Margitta Elvers, Hämostaseologie
	Type I IFN producing cells in viral versus bacterial infections	Stefanie Scheu, Klaus Pfeffer, Medizinische Mikrobiologie und Krankenhaushygiene
	Th17 cells promote microbial killing and innate immune sensing of DNA via IL-26	Stephan Meller, Bernhard Homey, Hautklinik
	Interleukin 23 receptor complex assembly: p40 recruits Interleukin 12 Receptor β 1 via site II and induces p19/Interleukin 23 Receptor interaction via site III	Jutta Schröder, Jürgen Scheller, Biochemie u. Molekularbiologie
	Revealing structural properties and affinities of protein complexes in living cells by Multi-parameter Fluorescence Image Spectroscopy and quantitative FRET analysis	Claus Seidel, Physikalische Chemie II
	Uncovering the ancestral state of mitochondrial protein targeting	Sven Gould, William Martin, Molekulare Evolution
	Mitochondria in health and disease	Andreas Reichert, Biochemie u. Molekularbiologie I (Antragsteller)
18.30 h	Gemeinsames Abendessen mit individuellen Diskussionsrunden	

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Freitag, 21. August 2015

9.00 h – 10.30 h	Sitzung 3	Moderation: Hans Neubauer
	Development of “Next Generation Sequencing” based workflows for mutation and CNV detection in routine genetic testing of patients with genetic predisposition for breast and ovarian cancer	Ellen Honisch, Dieter Niederacher, Tanja Fehm, Frauenklinik
	Characterization of CTCs for optimization of treatment in metastatic cancer	Hans Neubauer, Tanja Fehm, Frauenklinik
	Single cell profiling of HNSCC: metastasis is linked to gains at 8q	Bianca Behrens, Nikolas Stoecklein, Experimentelle Chirurgische Onkologie
	Functional in vivo modelling of genomic susceptibility for the development of pB-ALL in children	Julia Hauer, Arndt Borkhardt, Kinder-Onkologie, -Hämatologie, Klin. Immunologie
	Integrated morphological and molecular classification of gliomas	Guido Reifenberger, Neuropathologie
	Human endogenous retrovirus HERV-K(HML-2) activity in prostate cancer is dominated by a small number of loci	Wolfgang Göring, Wolfgang Schulz, Urologisches Forschungslabor
10.30 h – 11.00 h	Kaffeepause	
11.00 h – 12.45 h	Sitzung 4	Moderation: Guido Reifenberger
	Regulation of Autophagy the ULK1 Protein Kinase Complex	Björn Stork, Institute for Molecular Medicine I (Antragsteller)
	Engineering of a secretory active three-dimensional lacrimal gland construct on the basis of decellularized lacrimal gland tissue	Kristina Spaniol, Stefan Schrader, Augenklinik
	The influence of oxygen on the proliferative capacity and differentiation potential of lacrimal gland-derived mesenchymal stem cells	Mathias Roth, Stefan Schader, Gerd Geerling, Augenklinik
	Modelling of nonalcoholic fatty liver disease with hepatocyte like cells derived from human induced pluripotent stem cells	Nina Graffmann, James Adjaye, Stammzellforschung und Regenerative Medizin
	Microbiome profiling by 16S rRNA amplicon NGS sequencing	René Deenen, Karl Köhrer, Genomics & Transcriptomics Laboratory (GTL), BMFZ
	Analysis Standards for RNAseq Data	Wolfgang Kaisers, Holger Schwender, Zentralbereich Bioinformatik u. Biostatistik (CBiBs), BMFZ
13.00 h – 14.00 h	Gemeinsames Mittagessen	
	Ende der Klausurtagung	