

**11. BMFZ-KLAUSURTAGUNG**  
**Kardinal-Schulte-Haus**  
**Bergisch-Gladbach**  
**30./31.3.2017**

**Programm**  
**Donnerstag, 30. März 2017**

<b>14.00 h</b>	<b>Begrüßung</b>	<b>Arndt Borkhardt</b>
<b>14.15 h – 16.00 h</b>	<b>Sitzung 1</b>	<b>Moderation: Arndt Borkhardt</b>
	<i>Strategies to advance CTC-based liquid biopsies</i>	Nikolas Stoecklein, Allgemein-, Viszeral- und Kinderchirurgie
	<i>From humans to rats and back again: Identification of biomarkers for mental illness by a reverse translational approach utilizing a transgenic rat model</i>	<u>Svenja Troßbach</u> , Carsten Korth, Neuropathologie
	<i>The role of mutant Idh1 in the pathogenesis of malignant gliomas</i>	<u>Christiane Knobbe-Thomson</u> , Guido Reifenberger, Neuropathologie
	<i>Combination of a mechanical microconnector system and somatic stem cell transplantation to treat spinal cord injury</i>	<u>Jennifer Illgen</u> , Hans Werner Müller, Molekulare Neurobiologie
	<i>Glutamine triggers long-lasting increase in striatal network activity in vitro</i>	<u>Wiebke Fleischer</u> , Alfons Schnitzler, Klinische Neurowissenschaften und Medizinische Psychologie
	<i>Astrocyte and neuronal sodium elevations drive reversal of NCX and intracellular calcium loading in metabolically compromised cortex</i>	<u>Niklas Gerkau</u> , Christine Rose, Neurobiologie
	<i>"The Brain on Fire" - Molecular characterization of intrathecal immune responses in CNS inflammation.</i>	Norbert Goebels, Neurologie
	<i>The bone marrow microenvironment in patients with Myelodysplastic Syndrome (MDS)</i>	Rainer Haas, Hämatologie, Onkologie u. Klinische Immunologie
<b>16.15 h – 16.45 h</b>	<b>Kaffeepause</b>	
<b>16.45 h – 18.45 h</b>	<b>Sitzung 2</b>	<b>Moderation: Jürgen Scheller</b>
	<i>Evaluation of the regenerative potential of murine lacrimal gland tissue in two different models of lacrimal gland impairment</i>	<u>Jana Dietrich</u> , Stefan Schrader, Augenklinik
	<i>Decellularized porcine conjunctiva for ocular surface reconstruction</i>	<u>Joana Witt</u> , Gerd Geerling, Augenklinik
	<i>Progesterone receptor membrane component 1 is phosphorylated upon progestin stimulation and binds to estrogen receptor <math>\alpha</math>-coregulators PHB1 and PHB2 in breast cancer cells</i>	<u>Marina Willibald</u> , Hans Neubauer, Tanja Fehm, Frauenklinik
	<i>Targeting HSP90 in Imatinib resistant BCR-ABL1 + CML</i>	<u>Julia Hauer</u> , Sanil Bhatia, Arndt Borkhardt, Kinder-Onkologie, - Hämatologie, Klinische Immunologie
	<i>Activating mutations of STAT3 lead to a clinical phenotype resembling the autoimmune lymphoproliferative syndrome</i>	<u>Ute Fischer</u> , Arndt Borkhardt, Kinder-Onkologie, -Hämatologie, Klinische Immunologie
	<i>Dissecting the complexity of cell types present in urine, identifies renal progenitor cells with regenerative potential</i>	James Adjaye, Stammzellforschung und Regenerative Medizin
	<i>Differential requirements for ATG13-dependent protein-protein interactions during autophagy induction</i>	Björn Stork, Molekulare Medizin I
	<i>Identification of Phomoxanthone A as a mitochondrial toxin</i>	<u>Philip Böhler</u> , Sebastian Wesselborg, Molekulare Medizin I
<b>19.00 h</b>	<b>Gemeinsames Abendessen mit individuellen Diskussionsrunden</b>	

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**Freitag, 31. März 2017**

<b>9.00 h – 10.45 h</b>	<b>Sitzung 3</b>	<b>Moderation: Sebastian Wesselborg</b>
	<i>Functional impact of CDC42 mutations associated with Developmental disorders</i>	<u>Oliver Krumbach</u> , Reza Ahmadian, Biochemie und Molekularbiologie II
	<i>Molecular mechanisms of RASopathy-associated hypertrophic cardiomyopathy</i>	<u>Saeideh Nakhaei-Rad</u> , Reza Ahmadian, Biochemie und Molekularbiologie II
	<i>Transcytosis of IL-11 and apical redirection of gp130 is mediated by IL-11<math>\alpha</math> receptor</i>	Jürgen Scheller, Biochemie u. Molekularbiologie II
	<i>Molecular mechanisms regulating the formation of crista junctions</i>	<u>Ruchika Anand</u> , Andreas Reichert, Biochemie u. Molekularbiologie I
	<i>Immune functions during viral infection</i>	<u>Prashant Shinde</u> , Philipp Lang, Molekulare Medizin II
	<i>NMR Relaxation Dispersion Studies of Protein Dynamics in Folding and Function</i>	<u>Philipp Neudecker</u> , Dieter Willbold, Physikalische Biologie, Strukturbiologie
	<i>Multiparameter fluorescence lifetime imaging spectroscopy (MFIS-FRET) in living cells: a FRET-based high-resolution approach</i>	<u>Annemarie Greife</u> , Claus Seidel, Physikalische Chemie II
<b>10.45 h – 11.15 h</b>	<b>Kaffeepause</b>	
<b>11.15 h – 13.00 h</b>	<b>Sitzung 4</b>	<b>Moderation: Guido Reifenberger</b>
	<i>Absolute quantification of phosphorylated metabolites by ion-pair liquid chromatography coupled to triple quadrupole mass spectrometry (LC-MS/MS)</i>	<u>Tabea Mettler-Altmann</u> , Andreas Weber, Biochemie der Pflanzen, CEPLAS
	<i>Interleukin-31: A new link between T cells and the peripheral nervous system</i>	Bernhard Homey, Hautklinik
	<i>Complexity of accurate splice site recognition in the Human Genome</i>	Heiner Schaal, Virologie
	<i>Caffeine improves cardiovascular functions in a p27-dependent manner</i>	Jojo Haendeler, Heisenberg-Gruppe – umweltinduzierte kardiovaskuläre Degeneration, IUF
	<i>The lymphotoxin <math>\beta</math> receptor (LT<math>\beta</math>R) is essential for upregulation of IFN induced GBPs and survival after <u>T. gondii</u> infection</i>	<u>Ursula Sorg</u> , Klaus Pfeffer, Medizinische Mikrobiologie und Krankenhaushygiene
	<i>Aktuelle Projekte und Methoden des MPL</i>	<u>Gereon Poschmann</u> , Kai Stühler, Molecular Proteomics Laboratory (MPL), BMFZ
	<i>Recent methods and applications at the Molecular Proteomics Laboratory</i>	
	<i>Exome Analysis Options at the GTL</i>	<u>Stefanie Stepanov</u> , Karl Köhrer, Genomics & Transcriptomics Laboratory (GTL), BMFZ
<b>13.00 h – 14.00 h</b>	<b>Gemeinsames Mittagessen</b>	
	<b>Ende der Klausurtagung</b>	