

**12. BMFZ-Klausurtagung  
Kardinal-Schulte-Haus  
Bergisch-Gladbach**

**19./20. April 2018**



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**Programm**  
**Donnerstag, 19. April 2018**

<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: Guido Reifenberger</b>
	<i>Increased association of <math>\alpha</math>-synuclein to lipid droplets leads to accelerated clearance of aggregated toxic <math>\alpha</math>-synuclein</i>	<u>Andreas Müller-Schiffmann</u> , Carsten Korth; Neuropathologie
	<i>CRISPR/Cas9 screen to identify novel mechanisms of therapy resistance to temozolomide in glioblastoma</i>	<u>Jana Ettlinger</u> , Christiane B. Knobbe-Thomsen, Guido Reifenberger; Neuropathologie
	<i>Insights into physiology and pathology of innate behaviors via optogenetic control of brain rhythms</i>	<u>Alexey Ponomarenko</u> , Alfons Schnitzler; Klin. Neurowissenschaften und Med. Psychologie
	<i>Why do we need selenoproteins?</i>	<u>Carsten Berndt</u> , Orhan Aktas; Neurologie
	<i>Immunomonitoring using NGS?</i>	Norbert Goebels; Neurologie
	<i>Intellectual disability (ID) and syndromic entities associated with mutations in the SWI/SNF complex</i>	Dagmar Wieczorek; Humangenetik
	<i>Systematic genomic characterization of cutaneous mosaic constitution (in individuals with intellectual disability) as the key to improved understanding of ID pathogenesis</i>	Silke Redler; Humangenetik (Antragstellerin)
<b>16.00 h – 16.30 h</b>	<b>Kaffeepause</b>	
<b>16.30 h – 18.45 h</b>	<b>Sitzung 2</b>	<b>Moderation: Heiner Schaal</b>
	<i>NGS analysis options at the GTL</i>	<u>Lena Peitzmann</u> , <u>Tobias Lautwein</u> , Karl Köhrer; Genomics & Transcriptomics Laboratory (GTL), BMFZ
	<i>Automated circulating tumor cell classification, enumeration and phenotyping</i>	<u>Guus van Dalum</u> , Nikolas Stoecklein; Allgemein-, Viszeral- und Kinderchirurgie
	<i>Novel targeted therapies for resistant childhood acute lymphoblastic leukemia</i>	<u>Sanil Bhatia</u> , Julia Hauer, Arndt Borkhardt; Kinder-Onkologie, -Hämatologie, Klinische Immunologie
	<i>Circular RNAs in pathogenesis and treatment resistance of acute lymphoblastic leukemia</i>	<u>Ute Fischer</u> , Arndt Borkhardt; Kinder-Onkologie, -Hämatologie, Klinische Immunologie
	<i>5% of healthy newborns have an ETV6-RUNX1 fusion as revealed by DNA-based GIPFEL screening</i>	<u>Daniel Hein</u> , Ute Fischer, Arndt Borkhardt; Kinder-Onkologie, -Hämatologie, Klinische Immunologie
	<i>Genomic Editing Using CRISPR/Cas9</i>	<u>Nan Qin</u> , Marc Remke, Arndt Borkhardt; Kinder-Onkologie, -Hämatologie, Klinische Immunologie
	<i>Proteogenomics and high-throughput drug screening for novel brain tumor therapies – it takes two to tango</i>	Marc Remke; Kinder-Onkologie (Antragsteller)
	<i>Mass spectrometry, an indispensable tool in life science</i>	<u>Anja Stefanski</u> , Kai Stühler; Molecular Proteomics Laboratory (MPL), BMFZ
<b>19.00 h</b>	<b>Gemeinsames Abendessen mit individuellen Diskussionsrunden</b>	

## 12. BMFZ-KLAUSURTAGUNG Kardinal-Schulte-Haus Bergisch-Gladbach 19./20. April 2018

### Programm Freitag, 20. April 2018

<b>9.00 h – 10.45 h</b>	<b>Sitzung 3</b>	<b>Moderation: Sebastian Wesselborg</b>
	<i>An iPSC based model for Nonalcoholic fatty liver disease enables mechanistic studies and drug testing</i>	<u>Nina Graffmann</u> , James Adjaye; Stammzellforschung und Regenerative Medizin
	<i>Influence of KIR polymorphism on HCMV-driven expansions of NKG2C<sup>+</sup> NK cells</i>	<u>Angela Manser</u> , Markus Uhrberg; Transplantationsdiagnostik und Zelltherapeutika
	<i>Parsortix™ system enables isolation of viable CTCs from diagnostic leukapheresis product with subsequent culture</i>	<u>André Franken</u> , Hans Neubauer, Tanja Fehm; Frauenklinik
	<i>Pharmacological targeting of solid tumor differentiation blocks using a novel cell-based screening system</i>	<u>Knud Esser</u> , Hans Neubauer, Tanja Fehm; Frauenklinik
	<i>NRBF2 and RIPK1: Two novel substrates of the autophagy-inducing kinase ULK1</i>	Björn Stork; Molekulare Medizin I
	<i>Cancer-specific pro-apoptotic effects of the mycotoxin viriditoxin</i>	<u>Fabian Stuhldreier</u> , Sebastian Wesselborg; Molekulare Medizin I
	<i>T cell regulation by NK cells during viral infection</i>	<u>Haifen Xu</u> , Philipp Lang; Molekulare Medizin II
<b>10.45 h – 11.15 h</b>	<b>Kaffeepause</b>	
<b>11.15 h – 12.45 h</b>	<b>Sitzung 4</b>	<b>Moderation: Dagmar Wieczorek</b>
	<i>Protective role of mitochondrial telomerase reverse transcriptase in the cardiovascular system</i>	<u>Joachim Altschmied</u> ; BSL2 Laboratory, IUF-Leibniz-Institut für umweltmedizinische Forschung
	<i>Differentiation of paracrine and endocrine interleukin-6 and interleukin-11 classic, trans- and cluster signaling by soluble and membrane-bound Hyper-cytokines</i>	Jürgen Scheller; Biochemie u. Molekularbiologie II
	<i>Molecular mechanism of pluripotency with the focus of bFGF downstream pathways</i>	<u>Fereshteh Haghighi</u> , Reza Ahmadian; Biochemie und Molekularbiologie II
	<i>Structure-function relationship of RHO kinase I</i>	<u>Rezaei Adariani</u> , Reza Ahmadian; Biochemie und Molekularbiologie II
	<i>Wind to the left, swing to the right – position dependency of splicing regulatory elements</i>	<u>Lisa Müller</u> , Heiner Schaal; Virologie
	<i>Cooperative role of lymphotoxin β receptor and tumor necrosis factor receptor p55 in murine liver regeneration</i>	<u>Ursula Sorg</u> , Klaus Pfeffer; Medizinische Mikrobiologie und Krankenhaushygiene
<b>12.45 h – 13.45 h</b>	<b>Gemeinsames Mittagessen</b>	
	<b>Ende der Klausurtagung</b>	