



e:Med Meeting 2016 on Systems Medicine

October 4-6, 2016, Kiel

Program

Version 30.09.2016

Time	Tue 4 Oct	Speaker
01:00 - 01:30 pm	Registration & Welcome Coffee	
01:30 - 01:45 pm	Welcome Address	Tanja Zeller , Spokesperson e:Med Project Committee Johannes Mohr , BMBF Ulrich Stephani , CAU Kiel
01:45 - 03:15 pm	Cross-topic Issues I - Disease Manifestation Chair: Tanja Zeller, Dagmar Kulms	
01:45 - 02:30 pm	Keynote - Siri of the Cell – Intelligent agents for systems medicine constructed using systems data	Trey Ideker , UC San Diego
02:30 - 02:45 pm	A knockout PINK1 model of Parkinson's disease in iPSC-derived neurons	Julia Fitzgerald , Hertie Institute
02:45 - 03:00 pm	IBD kindred cohort: A tool for systems medicine	Wolfgang Lieb , CAU Kiel
03:00 - 03:15 pm	A platform for the network analysis of expression data from human inflammatory macrophages in bacterial lung infections	Julio Vera , Erlangen University Hospital
03:15 - 03:45 pm	Coffee Break	
03:45 - 05:45 pm	Specific Diseases I - Infection & Inflammation Chair: Philip Rosenstiel, Friedrich Feuerhake	
03:45 - 04:30 pm	Keynote I - Intestinal Epithelial Stem Cells for the Treatment of Colitis	Mamoru Watanabe , Tokyo Medical and Dental University
04:30 - 05:15 pm	Keynote II - Quantitative modeling and simulation approaches: providing deep biological hypotheses and driving critical decisions from research through clinical trials for inflammation and immunology	John M Burke , Applied BioMath, Lincoln, MA
05:15 - 05:30 pm	Differential immune response against structural and regulatory BK virus antigens explains kinetics of BK viremia in kidney transplant patients	Arturo Blázquez Navarro , Berlin-Brandenburg Center for Regenerative Therapies
05:30 - 05:45 pm	Uncoupling of Mucosal Gene Regulation, Splicing and Microbiota Signatures in Inflammatory Bowel Disease	Raheleh Sheibani , IKMB, CAU Kiel
05:45 - 06:15 pm	Coffee Break	
06:15 - 07:15 pm	Joint Activities - Panel Discussion Wohin bewegt sich die Medizin der Zukunft? Moderation: Burkhard Plemper , Journalist, Gesundheits- und Sozialpolitik	Ulrike Holtkamp , Bonn, Patientenorganisation Deutsche Leukämie- & Lymphom-Hilfe e.V. Stefan Schreiber , UKSH Kiel Alena Buyx , Professor of Biomedical Ethics, CAU Kiel Lore Gruenbaum , Applied BioMath, Lincoln, MA Ernst Theodor Rietschel , Gründungsdirektor des Berliner Instituts für Gesundheitsforschung
07:15 - 10:00 pm	Get together with Wine & Snacks at the venue	

Time	Wed 5 Oct	Speaker
08:30 - 09:00 am	Welcome Coffee	
09:00 - 10:30 am	Cross-topic Issues II - Heterogeneity of Disease Chair: Maria Fedorova, Stefan Wiemann	
09:00 - 09:45 am	Keynote	Elaine Holmes , Imperial College London
09:45 - 10:00 am	Classification of pediatric glioblastoma according to their telomere maintenance features	Inn Chung , DKFZ Heidelberg
10:00 - 10:15 am	Genome-wide host-microbiota association analysis of 1,812 individuals identifies vitamin D receptor genetic variation and other host factors shaping the gut microbiota	Andre Franke , Universitätsklinikum Schleswig-Holstein
10:15 - 10:30 am	Abundance vector shifts under Boolean operations reveal systematic interactions of low-abundance species in the human gut microbiome	Jens Christian Claussen , Jacobs University Bremen
10:30 - 11:00 am	Coffee Break	
11:00 - 11:30 am	Joint Activities - Poster Flash Talks I	
11:30 - 12:30 pm	Joint Activities - Poster Session I	
12:30 - 02:00 pm	Lunch Break - Company Lunch Talks:	
01:00 - 01:30 pm	NuGEN Technologies - RNA-Seq and DNA-Seq from Picogram Inputs	Martin Heine , NuGen
01:30 - 02:00 pm	Illumina/Life&Brain - 3rd Generation Arrays: New Global Screening Array (GSA) and New Methylation EPIC Array	Per Hoffmann , Life & Brain Dirk Bartels , Illumina
02:00 - 04:00 pm	Specific Diseases II - Neuropsychiatric Disorders Chair: Markus Nöthen, Rainer Spanagel	
02:00 - 02:45 pm	Keynote - A systems medicine approach for better understanding of alcohol addiction	Wolfgang H Sommer , ZI Mannheim
02:45 - 03:00 pm	Exome sequencing of European families densely affected with bipolar disorder reveals rare variants in neuronal genes contributing to disease etiology	Anna Maaser , University of Bonn
03:00 - 03:15 pm	Identification of shared risk loci and pathways for bipolar disorder and schizophrenia	Andreas Forstner , University of Bonn
03:15 - 03:30 pm	Cell-type specific Analysis of Epigenome-Wide Methylation Differences in Schizophrenia Brains	Theo Kraus , Ludwig-Maximilians-Universität
03:30 - 03:45 pm	Intranasal oxytocin selectively modulates large-scale brain networks	Roberto Goya-Maldonado , University Medical Center Göttingen
03:45 - 04:00 pm	DeepWAS: Directly integrating regulatory information into GWAS using deep learning identifies risk factors for major depressive disorder	Fabian Theis , Helmholtz Zentrum München
04:00 - 04:30 pm	Coffee Break	
04:30 - 05:40 pm	Joint Activities - ELSA in Systems Medicine Chair: Matthias von Witsch (DLR-PT)	
04:30 - 05:00 pm	Keynote - Medical Innovation: Handle ELSA With Care	Wolfgang van den Daele , Wissenschaftszentrum für Sozialforschung
05:00 - 05:20 pm	Acceptance of systems medicine by people at risk for mental disorders – Preliminary results of a qualitative study	Pauline Mantell , Universität zu Köln
05:20 - 05:40 pm	Translation of Systems Medicine into Clinical Routine Care – Results from an Online Survey	Martin Langanke , Universität Greifswald
05:40 - 06:10 pm	Joint Activities - Poster Flash Talks II	
06:10 - 07:00 pm	Joint Activities - Poster Session II	
07:00 - 11:00 pm	Shuttle to Pier - Dinner on paddle steamer ship along the fjords of Kiel	

Time	Thu 6 Oct	Speaker
08:30 - 09:00 am	Welcome Coffee	
09:00 - 10:30 am	Joint Activities - e:Med Project Groups	
09:00 - 09:20 am	PG Informatics & Modeling	Matthias Gietzelt , University Heidelberg
09:25 - 09:45 am	PG Data Security & Ethics	Ulrich Sax , University Göttingen
09:50 - 10:10 am	PG Image Processing	Julia Mannheim , University of Tübingen
10:10 - 10:30 am	PG Epigenetics & Sequencing	Karsten Rippe , DKFZ Heidelberg
10:30 - 11:00 am	Coffee Break	
11:00 - 12:30 am	Joint Activities - European Integration Chair: Jeanette Erdmann, Ingo Röder	
11:00 - 11:40 am	The role of systems medicine from EC perspective	Arnd Hoeveler , European Commission, Brussels
11:40 - 12:10 am	Are we seeing the beginning, or the end of Systems Medicine?	Olaf Wolkenhauer , University Rostock
12:10 - 12:30 pm	Clinical perspective of opportunities and challenges related to multidisciplinary collaborations in systems medicine	Mikael Benson , Linköping University
12:30 - 02:00 pm	Lunch Break - Company Lunch Talk:	
01:00 - 01:30 pm	QIAGEN - Sample-to-Insight NGS Solutions for Liquid Biopsy, hereditary disease and cancer clinical testing, microbiome and RNA-sequencing Analysis and Interpretation	Anika Joecker , QIAGEN
02:00 - 03:30 pm	Cross-topic Issues III - Therapy Response Prediction Chair: Karsten Rippe, Frank Kramer	
02:00 - 02:45 pm	Keynote - Systematic elucidation and pharmacological targeting of tumor checkpoints: a new take on precision cancer medicine	Andrea Califano , Columbia University, NY
02:45 - 03:00 pm	ICT Platform for to Enable Consortium work for Systems Medicine of Heart Failure	Harry Freitas da Cruz , Hasso-Plattner Institut, Potsdam
03:00 - 03:15 pm	Bridging PET/MR Imaging and Metabolomics: Sorafenib Changes the Metabolic Profile in HCC Tumor Mouse Model	Patricia Wenk , Werner Siemens Imaging Center, Tübingen
03:15 - 03:30 pm	Precision pharmacology towards the optimal treatment in lung cancer associated anemia	Agustin Rodriguez-Gonzales , DKFZ
03:30 - 03:45 pm	e:Med Poster Award Ceremony Closing Remarks	Karsten Rippe , Spokesperson e:Med Project Committee
03:45 - 04:15 pm	Coffee & Snacks	
04:00 - 06:00 pm	Oct 6 - 7, 2016 International Symposium SysINFLAME Location: ZMB, Kiel (10' walking distance)	