

Time	Tue 21 Nov	Speaker
09:00 - 10:00 pm	Morning Coffee	
10:00 - 11:00 am	Breakout Project Group: PG 1 Informatics & Modelling	Chair PG 1: <b>Matthias Ganzinger</b>
<b>11:00 - 01:00 pm</b>	<b>Satellite Symposium: Technological Innovations</b> organized by PG 4: Epigenetics & Sequencing	Chair: Philip Rosenstiel, Friedrich Feuerhake, Karsten Rippe
11:00 - 11:30 am	Unraveling the tumor microenvironment architecture by multispectral imaging	<b>Angela Vasaturo</b> , INSERM, Paris
11:30 - 12:00 pm	Follow response to treatment by single-cell sequencing	<b>Philipp Mallm</b> , DKFZ Heidelberg
12:00 - 12:30 pm	Unravelling Cellular heterogeneity - A single cell biology approach	<b>Andreas Schlitzer</b> , University of Bonn
12:30 - 01:00 pm	High resolution single cell analysis in complex adult tissues	<b>Stefan Günther</b> , MPI Bad Nauheim
01:00 - 01:45 pm	Registration & Welcome Supper	
<b>01:45 - 02:00 pm</b>	<b>Welcome speech: Tanja Zeller (e:Med PK), Blanche Schwappach (UMG/Uni Göttingen), Johannes Mohr (BMBF)</b>	Chair: Tanja Zeller
<b>02:00 - 02:45 pm</b>	<b>Visionary talk: Design principles of circuits for tissue homeostasis</b>	<b>Uri Alon</b> , Weizmann Institute, Israel
<b>02:45 - 04:00 pm</b>	<b>Session 1: Technologies in systems medicine</b>	Chair: Philip Rosenstiel, Frank Kramer
02:45 - 03:15 pm	<b>Keynote: LEAN analysis biological network hot spots in the age of Big Data</b>	<b>Benno Schwikowski</b> , Institut Pasteur
03:15 - 03:30 pm	Metabolomic Changes in Lymphoma in Response to Stromal Stimuli	Wolfram Gronwald, University of Regensburg
03:30 - 03:45 pm	Spatial organization of B cells and T cells predicts loss of renal transplant function	Katharina Nekolla, Definiens AG, Munich
03:45 - 04:00 pm	Introducing the de.NBI Cloud – the novel compute and storage infrastructure for life sciences	Chris Lawrenz, DKFZ Heidelberg
04:00 - 04:30 pm	Coffee Break	
<b>04:30 - 06:30 pm</b>	<b>Poster Session I (odd numbers)</b>	Chair: Ingo Röder
04:30 - 05:00 pm	Poster Flash Talks (11 talks à 3 min)	
05:00 - 06:30 pm	Poster Exhibition	
<b>06:30 - 07:45 pm</b>	<b>Karriere in der Systemmedizin: Public talk (English / Deutsch)</b> <b>Roberto Goya-Maldonado</b> Wie lebt der Arzt die Systemmedizin? <b>Frank Kramer</b> Als Informatiker in der Systemmedizin <b>Antje Walz</b> Karriere in der Industrie <b>Markus Nöthen</b> Perspektive des Senior Scientist <b>Uri Alon</b> Systems medicine "unplugged"	Moderation: Friedrich Feuerhake
07:45 - 10:00 pm	Get together with wine & snacks - networking at venue	
Time	Wed 22 Nov	Speaker
08:30 - 09:00 am	Coffee	
<b>09:00 - 10:30 am</b>	<b>Session 2: Systems medicine in the European context</b>	Chair: Peter Lichter, Karsten Rippe
09:00 - 09:30 am	SYSCID – A Systems medicine approach to chronic inflammatory diseases	<b>Philip Rosenstiel</b> , University of Kiel
09:30 - 10:00 am	German imaging science in European context	<b>Bernd Pichler</b> , University of Tübingen
10:00 - 10:30 am	Medical Informatics Initiative and Systems Medicine Initiative	<b>Markus Löffler</b> , University of Leipzig
10:30 - 11:00 am	Coffee Break	
<b>11:00 - 12:30 pm</b>	<b>Session 3: Systems medicine of diseases</b>	Chair: Roberto Goya-Maldonado, Dagmar Kulms
11:00 - 11:30 am	<b>Keynote: Frontostriatal mechanisms of anhedonia in novel neurophysiological subtypes of depression</b>	<b>Conor Liston</b> , Weill Cornell Medical College, NYC
11:30 - 11:45 am	Metabolomics in Translational Medicine – A Link between Acylcarnitines and Atrial Fibrillation	Julia Krause, University Medical Center Hamburg-Eppendorf, DZHK
11:45 - 12:00 pm	Reconstruction of tumor evolution from massively parallel sequencing data	Nima Abedpour, University of Cologne
12:00 - 12:15 pm	Transcriptomic landscape of Pancreatic Cancer and normal Epithelial and Stromal cells directly isolated from human samples reveals common and cell-type specific deregulated nodes	Elisa Espinet, HI-STEM & DKFZ
12:15 - 12:30 pm	Multi-omics analysis methods for the genetic diagnosis of rare diseases	Vicente Yépez, TU Munich
<b>12:30 - 02:30 pm</b>	<b>Lunch Break</b>	
01:00 - 01:30 pm	Company Session - Olink Proteomics: A precision proteomics solution for targeted human protein biomarker discovery	Martin Lundberg, Olink Proteomics
01:40 - 02:10 pm	Company Session - HMG Systems Engineering: Clinical Implementation of Pharmacogenetics	Ingolf Cascorbi, UKSH for HMG Systems Engineering
<b>02:30 - 04:00 pm</b>	<b>Session 4: Modelling in systems medicine</b>	Chair: Friedrich Feuerhake, Markus Löffler
02:30 - 03:00 pm	<b>Keynote: From Ideas to Medicine – with Modelling and Simulation</b>	<b>Antje Walz</b> , Roche Basel
03:00 - 03:15 pm	Predicting sensitivity of malignant melanoma to combination therapies by network modeling	Dagmar Kulms, TU Dresden
03:15 - 03:30 pm	A drug - cytokine interaction map for lympho-proliferative disorders	Peter-Martin Bruch, University Hospital Heidelberg
03:30 - 03:45 pm	Computational modelling of amino acid signaling to kinase networks	Kathrin Thedieck, University Medical Center Groningen & University Oldenburg
03:45 - 04:00 pm	Clonal evolution in adult glioblastoma	Verena Körber, DKFZ Heidelberg
04:00 - 04:30 pm	Coffee Break	
04:30 - 05:00 pm	Der neue EU-Datenschutz: Folgen für die Forschung	<b>Boris Reibach</b> , University of Oldenburg Chair: Christoph Schickhardt
<b>05:00 - 07:00 pm</b>	<b>Poster Session II</b>	Chair: Tanja Zeller
05:00 - 05:30 pm	Poster Flash Talks (11 talks à 3 min)	
05:30 - 07:00 pm	Poster Exhibition	
06:45 - 07:30 pm	Breakout Project Groups: PG 2: Data security & Ethics PG 3: Image processing	Chair PG 2: Christoph Schickhardt Chair PG 3: Bernd Pichler
07:30 - 11:00 pm	e:Med Dinner & Party Göttingen Restaurant Bullerjahn	

e:Med Meeting 2017, November 21 - 23  
 Alte Mensa, Göttingen  
 Program



Time	Thur 23 Nov	Speaker
08:30 - 09:00 am	Welcome Coffee	
<b>09:00 - 10:30 am</b>	<b>Session 5: Systems medicine impulse talks</b>	<b>Chair: Ingo Röder, Michael Ziller</b>
09:00 - 09:30 am	Closing the translational gap – integrating of high-throughput data for personalized cancer treatments into clinical processes	<b>Oliver Köhlbacher</b> , University of Tuebingen (iD:Sem)
09:30 - 10:00 am	Progressive fibrosis as driving force behind liver cirrhosis, liver failure and hepatocellular carcinoma	<b>Peter Jansen</b> , AMC Amsterdam (LiSyM)
10:00 - 10:30 am	The German Network for Bioinformatics Infrastructure de.NBI Helps to Handle Big Data in Life Sciences	<b>Alfred Pühler</b> , University of Bielefeld (de.NBI)
10:30 - 11:00 am	Coffee Break	
<b>11:00 - 12:30 pm</b>	<b>Session 6: Sytems medicine approaches in clinics I</b>	<b>Chair: Markus Nöthen, Nina Babel</b>
11:00 - 11:30 am	<b>Keynote:</b> Translational approaches for progressive disease	<b>Erwin Böttiger</b> , HPI & University of Potsdam
11:30 - 11:45 am	Updates on the ENIGMA-Epigenetics Working Group	Sylvane Desrivières, King's College London, United Kingdom
11:45 - 12:00 pm	Integrating multi-omics and multi-modality medical imaging to assess hepatocellular carcinoma patient outcome under Sorafenib treatment: A progress report of the Multiscale HCC project	Mathew Divine, University of Tübingen
12:00 - 12:15 pm	Multi-omics based strategy to predict graft function and personalize immunosuppressive therapy in kidney transplantation	Nina Babel, Charité – Universitätsmedizin Berlin
<b>12:15 - 02:15 pm</b>	<b>Lunch Break</b>	
12:50 - 01:20 pm	Company Session - Illumina: Experiences from the 2017 e:Med Summer School How advancements in Next Generation Sequencing support Functional Genomics Research	Karsten Rippe, DKFZ Matthias Prucha, Illumina
01:25 - 01:55 pm	Company Session - Lexogen: Gene Expression Profiling of Blood Samples: QuantSeq 3' mRNA-Seq Library Preparation with Globin Reduction	Lukas Paul, Lexogen GmbH
<b>02:15 - 03:30 pm</b>	<b>Session 7: Sytems medicine approaches in clinics II</b>	<b>Chair: Tanja Zeller, Roman Thomas</b>
02:15 - 02:45 pm	<b>Keynote:</b> Pharmacogenomics: from translational research to next generation benefit-risk evaluation	<b>Julia Stingl</b> , Vice President, Head of Research Division, BfArM
02:45 - 03:00 pm	Anti-TNF $\alpha$ restores disrupted metabolic interaction of the intestinal microbiome in IBD	Ateequr Rehman, Christian-Albrechts-University Kiel
03:00 - 03:15 pm	"Systems hematology" – Opportunities, benefits, and limitations	Ingo Roeder, TU Dresden
03:15 - 03:30 pm	How to report somatic variants in molecular tumor boards	Tim Beissbarth, University Medical Center Göttingen
<b>03:30 - 03:45 pm</b>	<b>Poster Award Ceremony</b> <b>Closing Remarks: Karsten Rippe (e:Med PK)</b>	<b>Moderation: Karsten Rippe, Roberto Goya-Maldonado</b>
03:45 - 04:30 pm	Coffee & Snacks	
04:15 - 05:15 pm	Meeting e:Med Project Committee (members only)	