

## Monday, September 24, 2018

03:30 - 03:45 pm	<b>Welcome Address</b> Tanja Zeller, Spokesperson e:Med Project Committee n.n., BMBF / DLR PT
03:45 - 04:30 pm	<b>Opening Talk</b> – Chair: Philip Rosenstiel Angelika Eggert, Charité Berlin <i>Precision Medicine: Current Approaches and Challenges in Neuroblastoma</i>
04:30 - 05:00 pm	<b>Coffee Break</b>
05:00 - 06:00 pm	<b>Systems Medicine of Diseases I</b> Chair: Christine Sers, Tanja Zeller
05:00 - 05:30 pm	<b>Michael Boettcher, MPI f. Molecular Genetics Berlin</b> <i>Spot Light Talk: Application of CRISPR Screening in Cancer Systems Medicine</i>
05:30 - 05:45 pm	<b>Kerstin Schönbeck, Charité Berlin</b> <i>Hippo-YAP pathway activation favors neuroblastoma progression</i>
05:45 - 06:00 pm	<b>Sophie Rabe, Heidelberg University Hospital</b> <i>The influence of the bone marrow niche on drug response phenotypes of blood cancers</i>
06:00 - 06:15 pm	<b>e:Med Project Groups I</b>
06:00 - 06:15 pm	<b>Sven Nahnsen, University of Tübingen</b> <i>PG Informatics &amp; Modelling</i>
06:15 - 08:15 pm	<b>Poster Session I (odd numbers)</b>
06:15 - 06:45 pm	<b>Poster Flash Talks (11 talks à 3 min)</b> – Chair: Tanja Zeller
06:45 - 08:15 pm	<b>Poster Exhibition</b>
08:15 - 11:00 pm	<b>Get Together with Wine &amp; Snacks - Networking at Venue</b>

## Tuesday, September 25, 2018

08:30 - 09:00 am	<b>Morning Coffee</b>
09:00 - 10:30 am	<b>Technologies in Systems Medicine</b> Chair: Philip Rosenstiel, Martin Sos
09:00 - 09:30 am	<b>Petra Ritter, Charité Berlin</b> <i>Keynote: The Virtual Brain – Improving Life through Simulation</i>
09:30 - 09:45 am	<b>Ulf Leser, HU Berlin</b> <i>VIS – an Integrated Knowledge Base for Precision Oncology</i>
09:45 - 10:00 am	<b>Arno Schäpe, Definiens AG</b> <i>A data-driven approach to discover novel biomarkers by investigating complex immune cell patterns in multiple tissue sections stained for immunology markers</i>
10:00 - 10:15 am	<b>Constantin Thieme, Charité Berlin</b> <i>Assessment of donor-reactive T-cell immunity by the novel urine cell-derived alloantigen assay allows prediction of acute rejection in renal transplant patients</i>
10:15 - 10:30 am	<b>Julien Gagneur, TU Munich</b> <i>Pinpointing disease-causing regulatory genetic variants by multi-omics and machine learning</i>
10:30 - 11:00 am	<b>Coffee Break</b>

**Tuesday, September 25, 2018 continued**

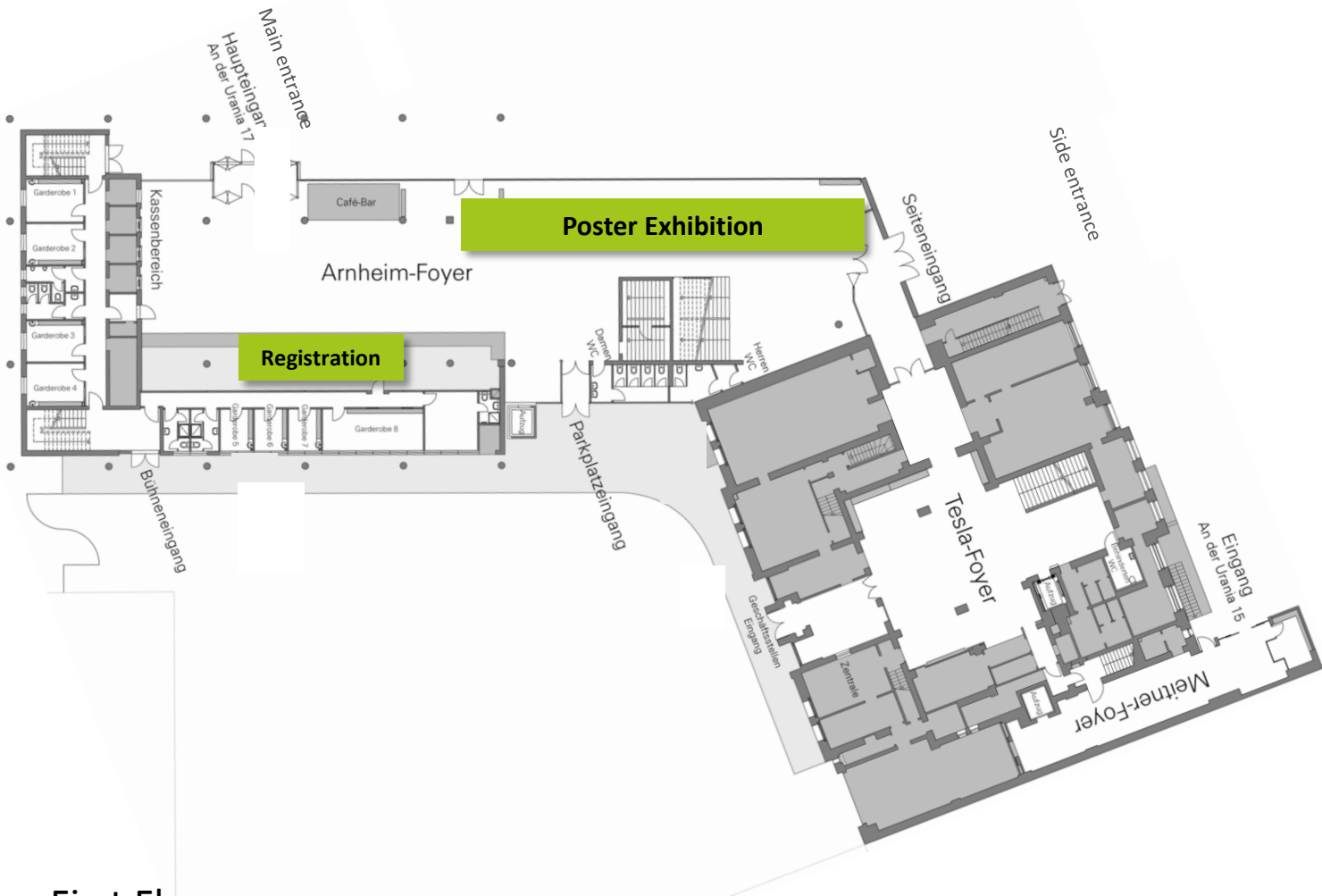
<b>11:00 - 12:30 pm</b>	<b>Systems Medicine of Diseases II</b> Chair: Ingo Röder, Birgit Luber
<b>11:00 - 11:30 am</b>	<b>Sui Huang, Institute for Systems Biology, Seattle</b> <i>Keynote: A dynamical systems perspective for systems medicine: Paradoxical response to cancer-treatment and a case study of N-of-One cancer care.</i>
<b>11:30 - 11:45 am</b>	<b>Hamid Noori, MPI f. Biological Cybernetics Tübingen</b> <i>Syphad Database: a pharmacological big data approach</i>
<b>11:45 - 12:00 pm</b>	<b>Dagmar Kulms, TU Dresden</b> <i>Systemic network analysis identifies XIAP and IκBα as potential drug targets in TRAIL resistant BRAF mutated melanoma</i>
<b>12:00 - 12:15 pm</b>	<b>Tina Haase, University Hospital Hamburg</b> <i>Identification of novel smoking-regulated DNA methylation sites – the GPR15 locus as a marker for cigarette smoking?</i>
<b>12:15 - 12:30 pm</b>	<b>Konrad Aden, University of Kiel</b> <i>Disease progression in Crohn’s disease is linked to early patterns in the transcriptome, epigenome and microbiome</i>
<b>12:30 - 02:00 pm</b>	<b>Lunch Break</b>
<b>02:00 - 03:30 pm</b>	<b>Interdisciplinary Research on Stage</b> – Chair: Nina Babel, Steffen Just
<b>02:00 - 02:45 pm</b>	<b>Angelika Eggert, Charité Berlin</b> <i>Tumor Board live demo</i>
<b>02:45 - 03:30 pm</b>	<b>Tanja Zeller and Stefan Blankenberg, UKE Hamburg</b> <i>Systems Approaches in cardiovascular research – Translation into Clinic</i>
<b>03:30 - 04:00 pm</b>	<b>e:Med Project Groups II</b>
<b>03:30 - 03:45 pm</b>	<b>Ulrich Sax, University Medical Center Göttingen</b> <i>PG Data Security &amp; Ethics</i>
	<b>Boris Reibach, University of Oldenburg</b> <i>100 Tage EU-DSGVO: Erfahrungen für die Biomedizin</i>
<b>03:45 - 04:00 pm</b>	<b>Karsten Rippe, DKFZ &amp; BioQuant Heidelberg</b> <i>PG Epigenetics &amp; Sequencing</i>
<b>04:00 - 04:30 pm</b>	<b>Coffee Break</b>
<b>04:30 - 05:00 pm</b>	<b>Focus Talks - partners / sponsors</b> – Chair: Roberto Goya-Maldonado
<b>04:30 - 04:45 pm</b>	<b>Michael Krawczak, TMF</b> <i>TMF – an interdisciplinary platform of potential benefit to patient-based research in e:Med</i>
<b>04:45 - 05:00 pm</b>	<b>Herna Muñoz-Galeano, HMG Systems Engineering GmbH</b> <i>Implementation of PGx – Challenges and achievements</i>
	 
<b>05:00 - 07:00 pm</b>	<b>Poster Session II (even numbers)</b>
<b>05:00 - 05:30 pm</b>	<b>Poster Flash Talks (11 talks à 3 min)</b> – Chair: Roberto Goya-Maldonado
<b>05:30 - 07:00 pm</b>	<b>Poster Exhibition</b>
<b>07:30 - 22:00 pm</b>	<b>EAT, PLAY, TALK at the Game Science Center, Berlin-Kreuzberg</b>

**Wednesday, September 26, 2018**

08:30 - 09:15 am	<b>Morning Coffee</b>
09:15 - 09:30 am	<b>e:Med Project Groups III</b>
09:15 - 09:30 am	<b>Julia Mannheim, University of Tübingen</b> <i>PG Image Processing</i>
09:30 - 11:00 am	<b>International Systems Medicine</b> Chair: Friedrich Feuerhake, Roman Thomas
09:30 - 10:00 am	<b>Peter Lichter, DKFZ Heidelberg</b> <i>Large scale cancer genome analyses fostering novel concepts in tumor biology, preclinical and clinical practice</i>
10:00 - 10:30 am	<b>Coffee Break</b>
10:30 - 11:00 am	<b>Roland Eils, Berlin Institute of Health</b> <i>Human Cell Atlas Project</i>
11:00 - 12:30 pm	<b>Modelling in Systems Medicine</b> Chair: Rainer Spang, Markus Löffler
11:00 - 11:30 am	<b>John Quackenbush, Dana-Farber Cancer Institute, Boston</b> <i>Keynote:</i> <i>Using Networks to Link Genotype to Phenotype: A Bioinformatics Approach</i>
11:30 - 11:45 am	<b>Ingo Röder, TU Dresden</b> <i>A mathematical approach towards immunological control of minimal residual disease in CML patients</i>
11:45 - 12:00 pm	<b>Jonas Mir, TU Munich</b> <i>Quantification of cell cycle speed in fast dividing cells in vivo</i>
12:00 - 12:15 pm	<b>Alexandra Poos, University Hospital Jena</b> <i>Modelling TERT regulation in prostate cancer leads to new prognostic markers</i>
12:15 - 12:30 pm	<b>Thomas Kessler, Alacris Theranostics GmbH, Berlin</b> <i>Treatment of metastatic uveal melanoma directed by a comprehensive genomic and transcriptomic tumour analysis and mechanistic computational modelling of drug response predictions.</i>
12:30 - 02:00 pm	<b>Lunch Break</b>
02:00 - 03:30 pm	<b>Translational Approaches in Systems Medicine</b> Chair: Dagmar Kulms, Markus Nöthen
02:00- 02:30 pm	<b>David Andrews, University of Toronto</b> <i>Keynote: Conditional reprogramming of cells from cancer patients for high content screening of individual patient drug responses</i>
02:30 - 02:45 pm	<b>Nadine Umbach, University Medical Center, Göttingen</b> <i>Genomic High-throughput Sequencing in Precision Medicine: A Survey on Public Knowledge, Attitudes, Expectations, and Fears</i>
02:45 - 03:00 pm	<b>Isabell Poschke, DKFZ Heidelberg</b> <i>Heterogeneity and dynamics of the tumor-infiltrating lymphocyte repertoire in melanoma and pancreatic cancer patients</i>
03:00 - 03:15 pm	<b>Christiane Opitz, DKFZ Heidelberg</b> <i>Adaptation of cancer cells to nutritional stress induced by Trp degrading enzymes via GCN2-peIF2a-ATF4-mediated upregulation of tryptophanyl-tRNA-synthetase</i>
03:15 - 03:30 pm	<b>Joern Toedling, Charité Berlin</b> <i>Multi-region sequencing dissects intratumor heterogeneity in neuroblastoma</i>
03:30 - 04:00 pm	<b>e:Med Poster Award Ceremony an Closing Remarks</b> <b>Tanja Zeller &amp; Philip Rosenstiel, Spokespersons e:Med Project Committee</b> <b>e:Med Flash Talk Award NaWik</b> <b>e:Med Poster Award</b>
04:00 - 04:30 pm	<b>Meeting e:Med Program Committee - by invitation only –</b>



### Ground Floor



### First Floor

#### Exhibitors

- HMG SYSTEMS ENGINEERING
- life&brain
- LEXOGEN  
Enabling complete transcriptome sequencing
- PACBIO
- NaWik  
Wissenschaft. Vernetzt.
- TMF
- deNBI  
National Data Center for Life Sciences

