

Big Data in Medicine

Preliminary schedule

Joint Symposium of the German National Academy of Sciences Leopoldina and the
Hasso-Plattner-Institute for Software Systems Engineering

01 – 02 July 2015, Hasso-Plattner-Institute, Potsdam, Germany

Wednesday, 01 July 2015 (Day 1)	
Opening & Welcome address	
12h00-12h20	Christoph Meinel (Director Hasso-Plattner-Institute) Bärbel Friedrich (Vice-President Leopoldina)
Keynote	
12h20-13h10	Heyo Kroemer (University Medical Center Göttingen) "Moving towards Systems Medicine: The Role of Information Technology"
13h10-13h30	Coffee Break
Session 1 „Big Data on the Way to Translation: Biomarker, Targeted Therapies, Studies“ Session Chair: Detlev Ganten (Charité, Berlin)	
13h30-14h00	Thomas Lengauer (Max-Planck-Institute for Informatics, Saarbrücken) "HIV therapy - Spearheading individualized medicine"
14h00-14h30	Markus Löffler (Institute for Medical Informatics, Statistics and Epidemiology, University Leipzig) "Genotypes, Phenotypes, Models and Trial designs – A Biometric Perspective on Clinical Decision Making"
14h30-15h00	Khusru Asadullah (Bayer Schering Pharma, Berlin) "Trends in translational medicine: the increasing value of academic-industrial collaboration"
15h00-15h20	Coffee Break
Session 2 „Motorizing Big Data -omics Technologies and IT?“ Session Chair: Detlev Ganten (Charité, Berlin)	
15h20-15h50	Christoph Meinel (Hasso-Plattner-Institute for Software Systems Engineering) "Enabling Personalized Medicine Through Real-Time Big Data Analytics and Interdisciplinary Cooperations"
15h50-16h20	Rudi Balling (Luxembourg Centre for Systems Biomedicine) "From Systems Biology to Systems Medicine: Easier said than done"
16h20-16h50	Reinhard Busse (Health Care Management, Berlin University of Technology) "Motorizing big data for population health and health care – from global burden of disease to cost-effectiveness of routine care"
16h50-17h10	Coffee Break
Breakout Session 1	
17h10-18h40	Session Chair: Thomas Lengauer Rapporteur: tbd
Breakout Session 2	
17h10-18h40	Session Chair: Bärbel Friedrich Rapporteur: Johannes Fritsch
18h40-19h30	Break

19h30-21h30 *Dinner, avendi Hotel am Griebnitzsee, Rudolf-Breitscheid-Straße 190, 14482 Potsdam-Babelsberg*

Thursday, 02 July 2015 (Day 2)

08h45-09h30	Keynote Matthias Evers (<i>McKinsey Germany, Hamburg</i>) “The data age of pharmaceutical innovation”
09h30-09h50	<i>Coffee Break</i>
Session 3 „Examples: Cancer, Microbiomics, Infections, Psychiatric Diseases“ <i>Session Chair: NN</i>	
09h50-10h20	Johannes Drepper & Irene Schlünder (<i>TMF – Technology, Methods, and Infrastructure for Networked Medical Research, Berlin</i>) tbd
10h20-10h50	Reinhold Schäfer (<i>Charité Berlin, Comprehensive Cancer Center</i>) “(Big) Data in cancer research: Of snapshots and dynamic processes”
10h50-11h20	Gerard Krause (<i>Helmholtz Center for Infection Research, Braunschweig</i>) “Surveillance and Outbreak Response Management System (SORMAS)”
11h20-11h40	<i>Coffee Break</i>
Session 4 „Handling of Patient Data: National Cohort, Bio Banks, Data Integration“ <i>Session Chair: NN</i>	
11h40-12h10	Alf Wachsmann (<i>Max-Delbrück-Center for Molecular Medicine, Berlin</i>) “Connecting Basic Life Science Research and Clinical Research through (Big) Data”
12h10-12h40	Achim Berlis (<i>GE Healthcare Germany, München</i>) „Industrial Internet and Big Data in Healthcare“
12h40-13h10	Karl-Heinz Jöckel (<i>Essen University Hospital</i>) “The German National Cohort: A Big Data Project?”
13h10-14h00	<i>Lunch</i>
14h00-15h30	Breakout Session 3 <i>Session Chair: Phillip U. Heitz</i> <i>Rapporteur: Reinhold Schäfer</i>
14h00-15h30	Breakout Session 4 <i>Session Chair: Matthieu Schapranow</i> <i>Rapporteur: Cindy Fähnrich</i>
15h30-16h30	Presentation of Results Christoph Meinel (<i>HPI</i>) <i>Rapporteurs: Kathrin Happe (Leopoldina), Matthieu Schapranow (HPI), Henning Steinicke (Leopoldina)</i>
16h30-16h45	Closing Remarks Detlev Ganten (<i>Charité</i>)

Registration

Please register online using following link:

<http://www.>

Registration is mandatory. As places are limited to 80 participants please make sure you will attend the meeting before registering!

The symposium is free of charge.

Venue

The symposium will take place at the

Hasso-Plattner Institute for Software Systems Engineering
Prof.-Dr.-Helmert-Str. 2-3
14482 Potsdam

Contact

Katrin Augustin, HPI: Katrin.Augustin@hpi.de Ph: +49 331 5509 150

Dr.-Ing. Matthieu Schapranow, HPI: matthieu.schapranow@hpi.de Ph: +49 331 5509 1331

Dr. Henning Steinicke, Leopoldina: henning.steinicke@leopoldina.org Ph: +49 151 1135 2563