



## Cardiology meets Systems Medicine and Digital Health Solutions September 21-22 2020

<b>11:30</b>	<b>Day1: Welcome coffee and Snacks</b>	
12:00	<p><b>Christoph Dieterich</b> University Hospital Heidelberg</p> <p><b>Martin Vestweber</b> Deutsche Herzstiftung e.V.</p>	Welcome
<b>Mobile Apps, Wearables, Implemented Methodology (Chair: Ulf Landmesser)</b>		
12:15	<p><b>Albrecht Haug</b> Apple Germany</p>	Apple in Healthcare
12:45	<p><b>Susanne Brenner</b> <b>Maximilian Schirm</b> University Hospital Würzburg</p>	Technical framework and clinical feasibility of patient-based history taking: Use Case Cardiology
13:15	<p><b>Björn Schreiweis</b> University Hospital Schleswig-Holstein</p>	Use of apps, sensor technology and telemedicine in the care of pediatric oncology patients
13:45	<p><b>Oliver Heinze</b> University Hospital Heidelberg</p>	Interoperability challenges in Patient Reported Outcomes. Experiences from the University Hospital Heidelberg
<b>14:15</b>	<b>coffee break</b>	
<b>Patient-Centric Molecular Medicine (Chair: Norbert Frey)</b>		
14:45	<p><b>Benjamin Meder</b> UK-HD</p>	Precision Digital Health: From data to patients
15:15	<p><b>Christian Schulte</b> UKE Hamburg</p>	Translational Approach in Cardiovascular Disease: The Mystery of non-coding RNAs
15:45	<p><b>Wolfram Zimmermann</b> UMG</p>	Tissue Engineered Heart Repair
16:15	<p><b>Norbert Hübner</b> MDC</p>	Cells and expression programs of the adult human heart
<b>16:45</b>	<b>coffee break</b>	



## The Use Case Cardiology in HiGHmed - building synergies (Udo Bavendiek)

17:15	<b>Udo Bavendiek</b> MHH	Introduction to the Use Case
17:45	<b>Phillip Richter-Pechanski</b> UKHD	Analytics on (un)structured data
18:15	<b>Dagmar Krefting</b> UMG – Institut für MI	Common data models in cardiology Opportunities and challenges
<b>18:45</b>	<b>End of the event with subsequent barbecue/ Get together</b>	

### Day 2

<b>09:00</b>	<b>Start of the meeting</b>	
<b>Imaging modalities (Chair: Sandy Engelhardt)</b>		
09:00	<b>Sandy Engelhardt</b> UKHD	Integrated Sensor and Image Data Analysis for Modern Hospitals
09:30	<b>Gabriel Mistelbauer</b> Otto-von-Guericke Universität Magdeburg	Segmentation, Analysis, and Visualization of Aortic Dissections
10:00	<b>INSPIRATIONlabs</b>	Extended realities in cardiology
10:30	<b>Anja Hennemuth</b> Charité	Personalized models for cardiovascular therapy planning
<b>11:00</b>	<b>coffee break</b>	



## Data Fusion, Analytics and Modelling (Chair: Christoph Dieterich)

11:30	<b>Bernhard Renard</b> HPI Potsdam	Real-Time Genome Analysis and Data Integration
12:00	<b>Lars Kaderali</b> University Medicine Greifswald	Artificial intelligence in Medicine and Epidemiology: From Diagnostic to Predictive Models
12:30	<b>Julio Saez-Rodriguez</b> University Heidelberg	Integrated spatial and single cell map of human myocardial infarction
13:00	<b>Christoph Dieterich</b> University Hospital Heidelberg	The grand challenge: Putting all pieces together Lessons from the Use Case Cardiology

**End of the meeting with subsequent lunch**