

Virtual BIOQIC Day 2020 (MS Teams)

Friday 25/09/2020

9:00-9:15	Welcome and introduction – Ingolf Sack & Judith Bergs	
Session 1 – Fluid transport		
Chair: Yasmine Safraou, Co-chair: Matthias Anders		
Time	Name	Project title
09:15-09:30	Bernhard Föllmer	CT-based automated scoring of calcification in coronary arteries towards quantification of myocardial perfusability
09:30-09:45	Guilhem Claude	Terphenylisocyanide complexes for myocardial imaging
09:45-10:00	Edengenet Mashilla Dejene	Motion-correction for quantitative dynamic PET-MR
10:00-10:15	Katja Degenhardt	Development of a 4D flow acquisition technique for accurate whole heart velocity quantification at 7 Tesla
10:15-10:30	Chiara Manini	Quantitative Cardiac Valve Imaging
10:30-11:00	Break	
Session 2 – Soft tissue mechanics		
Chair: Edengenet Mashilla Dejene, Co-chair: Chiara Manini		
Time	Name	Project title
11:00-11:15	Tom Meyer	Quantitative Cardiac Ultrasound Elastography
11:15-11:30	Matthias Anders	Real-Time Quantitative Cardiac Magnetic Resonance Elastography
11:30-11:45	Yasmine Safraou	Quantitative multiparametric and multimodal determination of the biophysical properties of the liver in correlation with cellular, extracellular and vascular changes
11:45-12:00	Jakob Jordan	Multimodal microscopic elastography by optical methods and MRI
12:00-12:15	Sherine Brahma	Interpretability in Medical Imaging
12:15-13:15	Lunch break	
Session 3 – Tissue structures		
Chair: Jakob Jordan Co-chair: Sherine Brahma		
Time	Name	Project title
13:15-13:30	Simone Hufnagel	Motion-Corrected 3D High-Resolution Cardiac T1-Mapping
13:30-13:45	Federico Biavati	Quantification of micro-calcification in coronary arteries from cardiac CT
13:45-14:00	Felix Krüger	Quantification and characterization of cardiac fat infiltration using ultra-high magnetic fields
14:00-14:15	David Hernandez	MRI-Based Thermometry with Hyperpolarized Xenon for optimized CEST MRI
14:15-14:30	Thomas Hadler	Quantification of microstructural changes due to myocardial pathologies by analysis of multi parametric quantitative MRI.
14:30-15:00	Break	
15:00-16:00	Invited talk: Replication - Foundation of science, game of chance, or invitation to test trivial hypotheses, Prof.Dr.Ulrich Dirnagl (Director Department of Experimental Neurology Charité, Founding Director QUEST – Quality Ethics Open Science Translation, BIH Center for Transforming Biomedical Research Berlin Institute of Health)	
16:00-16:15	Closing remarks	