

Program BIOQIC Days 2022 – Inselhotel Potsdam

Thursday, September 29

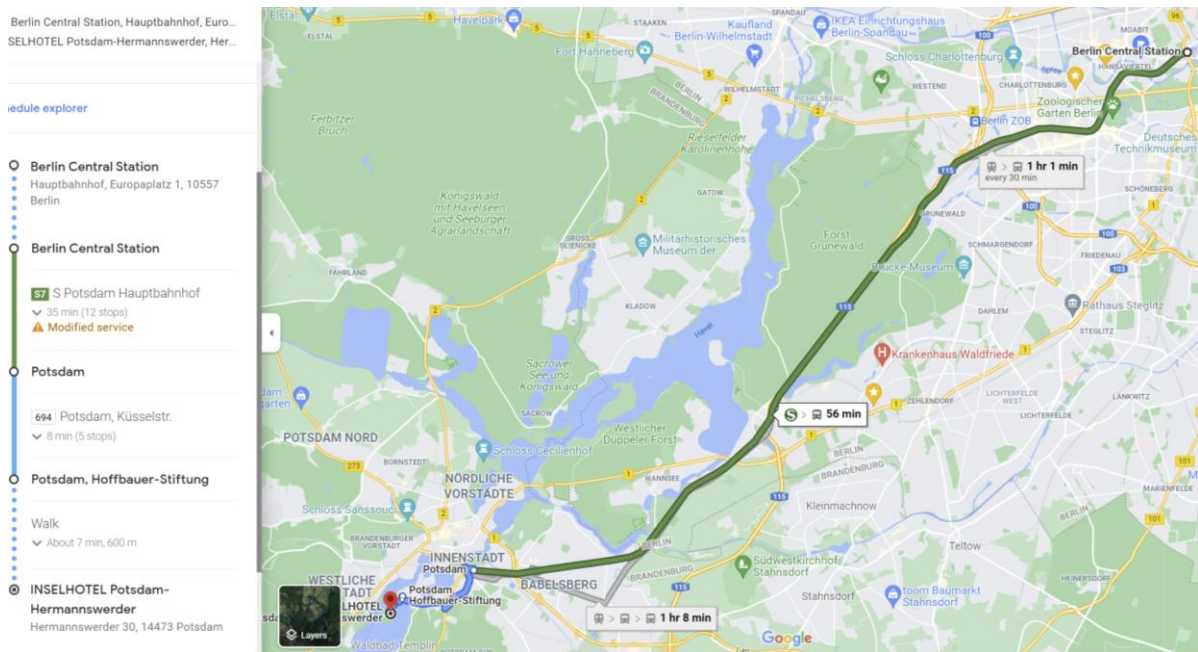
9:00-9:15	Arrival	
9:15-9:30	Welcome and introduction	
Session 1 Chair: Thomas Hadler, Co-chair: Sherine Brahma		
09:30-9:50	Federico Biavati	Coronary calcium score quantification as a predictor of cardiovascular risk
9:50-10:10	Bernhard Föllmer	Automated quantification of the configuration and composition of calcified coronary artery plaques towards assessment of plaque mechanics
10:10-10:30	Katja Degenhardt	Development of a 4D flow acquisition technique for accurate whole heart velocity quantification at 7 Tesla
10:30-11:00	Coffee break	
11:00-11:20	David Hernandez	MRI-based thermometry with hyperpolarized xenon for optimized CEST MRI
11:20-11:40	Jakob Jordan	Multimodal microscopic elastography by optical methods and MRI
11:40-12:00	Guilhem Claude	m-Terphenyl isocyanide complexes for myocardial imaging
12:00-13:00	Lunch (Restaurant)	
Session 2 Chair: Guilhem Claude, Co-chair: David Hernandez		
13:00-13:20	Simone Hufnagel	Motion-corrected 3D high-resolution cardiac T1-mapping
13:20-13:40	Matthias Anders	Multiparametric cardiac MR with real-time viscoelasticity quantification
13:40-14:00	Mahsa Salimi Majd	Muscle stiffness quantified by tomoelastography in patients with tendinopathy
14:00-14:20	Coffee break	
14:20-14:40	Sherine Brahma	Uncertainty assessment of machine learning for cardiac MR parameter mapping
14:40-15:00	Felix Krüger	Quantification and characterization of cardiac fat infiltration using ultra-high magnetic fields
15:00-15:20	Chiara Manini	Multimodal Quantitative Cardiac Valve Imaging
15:20-15:40	Coffee break	
Session 3 Chair: Federico Biavati, Co-chair: Chiara Manini		
15:40-16:00	Edengenet Dejene	Multiparametric motion-compensated PET-MR
16:00-16:20	Thomas Hadler	Automated assessment of quantification precision of myocardial micro structure in cardiovascular magnetic resonance to allow quality control
16:20-16:40	Tom Meyer	Ultrasound elastography of the heart towards imaging-based quantification of cardiac pressure
16:40-17:00	Coffee break	
17:00-18:00	Keynote lecture by Prof. Rebecca Wells, MD, University of Pennsylvania	
18:00-19:00	Dinner (Restaurant)	
19:00-22:00	Drinks and live concert by 'Die Couchies'	

Friday, September 30

Session 4 Chair: Simone Hufnagel, Co-chair: Edengenet Dejene		
09:20-09:40	Max Lutz	MRF based absolute B1+ mapping in the human body at 7T
09:40-10:00	Sotirios Tsogias	Evaluation of interobserver variability of coronary artery calcium scoring performed by human observers and a deep learning network
10:00-10:20	Yasmine Safraou	Quantification of the biophysical properties of the liver in correlation with microstructural and vascular changes using multimodal imaging
10:20-10:35	Coffee break	
10:35-10:55	Nina Krüger	Machine Learning-based Medical Image Analysis for Cardiovascular Device Implantation
10:55-11:15	Carola Fischer	Investigating the steady state in spoiled gradient echo phase-contrast MRI: What happens to M1?
11:15-11:45	Invited talk by Prof. Oliver Wieben, PhD, University of Wisconsin-Madison Quantitative Velocity Sensitive MRI: from Basics to Clinical Translation	
11:45-12:00	Conclusion, discussion and feedback	
12:00-13:00	Lunch (Restaurant)	
13:15	Bus departure from Inselhotel to museum Barberini	
14:00-17:00	Guided tour and workshop in museum Barberini, Potsdam	

Directions to the hotel:

From Berlin Hbf → **S7** or **RE** to Potsdam Hbf → **Bus # 694** (end destination Potsdam Küsselstr.), get off at Hoffbauer-Stiftung (frequency: every 20 minutes), **walk** along Hermannswerder Str. about 7 min (600 m) to Inselhotel Potsdam. Follow the signs to the hotel.



Walk from bus stop to hotel:

