



First day, Thursday, April 20, 2023		
12.30	Welcome buffet	Registration, Posters up
13.30 13.45	Opening Welcome Keynote	Caroline Müllenbroich, Godfrey Smith <b>Gil Bub</b> , McGill University, Montreal, Canada <i>High throughput, long duration imaging technologies</i>
14.30	<b>Session 1</b> <b>Clinical perspectives</b>  3x 20 mins talks + 30 mins discussion	14:30 <b>Tobias Brüggmann</b> , Universität Bonn, Germany <i>Cardiotoxicity screening with pig ventricular slices</i>  14:50 <b>Francis Burton</b> , University of Glasgow, Scotland <i>Making light work of single cell cardiac electrophysiology: maximising fidelity and throughput</i>  15:10 <b>Elen Tolstik</b> , Leibniz-Institut für Analytische Wissenschaften – ISAS – e.V., Germany <i>Raman spectroscopy of the heart</i>
16.00	Coffee break and networking	Posters
16.30	<b>Session 2</b> <b>Light-sheet microscopy and ... suspense!</b>  3x 20 mins talks + 30 mins discussion	16:30 <b>Chris Dunsby</b> , Imperial College, UK <i>High-speed 3D light-sheet microscopy</i>  16:50 <b>Richard Walton</b> , Université de Bordeaux, France <i>In vivo multimodal microscopic sub-endocardial imaging using optical catheters in a sheep model of myocardial infarction</i>  17:10 <b>Jonny Taylor</b> , University of Glasgow, Scotland <i>Optical-computational techniques for timelapse imaging of heart structure and function in vivo</i>
19.00	Welcome reception	TBC
20.00	Social dinner	TBC



Second day, Friday, April 21, 2023		
8.30	Coffee and networking	Posters
9.00	<b>Session 3 Optogenetics</b>  3x 20 mins talks + 30 mins discussion	<p>09:00 <b>Daniël Pijnappels</b>, Leiden University Medical Center, Leiden, Netherlands <i>Optical control of bioelectricity to explore biological defibrillation</i></p> <p>09:20 <b>Franziska Schneider-Warme</b>, Universitäts Herzzentrum, Freiburg, Germany <i>Optogenetic manipulation of the heterocellular heart</i></p> <p>09:40 <b>Sayedeh Hussaini</b>, Max Planck Institute for Dynamics and Self-Organization, Göttingen <i>Temporal modulation of cardiac excitability using optogenetics: exceptional efficacy in terminating cardiac arrhythmia</i></p>
10.30	Coffee and networking	Posters
11.00	Early Career Researcher	Flash presentations
11.45	Relevance to future research	Poster session
12.30	Lunch break and networking	Posters
13.30	<b>Session 4 Correlative Imaging</b>  3x 20 mins talks + 30 mins discussion	<p>13:30 <b>Izzy Jayasinghe</b>, University of Sheffield, UK <i>Correlative super-resolution microscopy for understanding the structural basis of fast, calcium signals in the heart</i></p> <p>13:50 <b>Martin Bishop</b>, KCL, London, UK <i>Computational simulation in experimental and clinical cardiac electrophysiological research: interactions with novel optical imaging technologies</i></p> <p>14:10 <b>Leonardo Sacconi</b>, INO-CNR, Florence, Italy <i>Correlating electrical dysfunction and structural remodeling in Arrhythmogenic Mouse Hearts by advanced optical methods</i></p>
15.00- 15.30	Closing remarks Prize awards	Leonardo Sacconi, Caroline Müllenbroich