

First day, Thursday, April 20, 2023		
12.30	Welcome buffet	Registration, Posters up
13.30 13.45	Opening Welcome Keynote	Caroline Müllenbroich, Godfrey Smith Gil Bub , McGill University, Montreal, Canada <i>High throughput, long duration imaging technologies</i>
14.30	Session 1 Clinical perspectives 3x 20 mins talks + 30 mins discussion	14:30 Tobias Brügmann , Universität Bonn, Germany <i>Cardiotoxicity screening with pig ventricular slices</i> 14:50 Francis Burton , University of Glasgow, Scotland <i>Analytical techniques applied to optical voltage and Ca signals</i> 15:10 Elen Tolstik , 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	Session 2 Light-sheet microscopy and ... suspense! 3x 20 mins talks + 30 mins discussion	16:30 Chris Dunsby , Imperial College, UK <i>High-speed 3D light-sheet microscopy</i> 16:50 Mystery Speaker <i>Selected from the abstracts</i> 17:10 Jonny Taylor , 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	Session 3 Optogenetics 3x 20 mins talks + 30 mins discussion	09:00 Daniël Pijnappels , Leiden University Medical Center, Leiden, Netherlands <i>Optical control of bioelectricity to explore biological defibrillation</i> 09:20 Franziska Schneider-Warme , Universitäts Herzzentrum, Freiburg, Germany <i>Optogenetic manipulation of the heterocellular heart</i> 09:40 Sayedeh Hussaini , Max Planck Institute for Dynamics and Self-Organization, Göttingen <i>Temporal modulation of cardiac excitability using optogenetics: exceptional efficacy in terminating cardiac arrhythmia</i>
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	Session 4 Correlative Imaging 3x 20 mins talks + 30 mins discussion	13:30 Izzy Jayasinghe , University of Sheffield, UK <i>Correlative super-resolution microscopy for understanding the structural basis of fast, calcium signals in the heart</i> 13:50 Martin Bishop , KCL, London, UK <i>Computational simulation in experimental and clinical cardiac electrophysiological research: interactions with novel optical imaging technologies</i> 14:10 Leonardo Sacconi , INO-CNR, Florence, Italy <i>Correlating electrical dysfunction and structural remodeling in Arrhythmogenic Mouse Hearts by advanced optical methods</i>
15.00-15.30	Closing remarks Prize awards	Leonardo Sacconi, Caroline Müllenbroich