|  |  |  |  |
| --- | --- | --- | --- |
| 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  *High throughput, long duration imaging technologies* | |
| 14.30 | **Session 1**  **Clinical perspectives**  3x 20 mins talks  +  30 mins discussion | 14:30 | **Tobias Brügmann**, Universität Bonn, Germany  *Cardiotoxicity screening with pig ventricular slices* |
| 14:50 | **Francis Burton**, University of Glasgow, Scotland  *Analytical techniques applied to optical voltage and Ca signals* |
| 15:10 | **Elen Tolstik**, Leibniz-Institut für Analytische Wissenschaften – ISAS – e.V., Germany  *Raman spectroscopy of the heart* |
| 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  *High-speed 3D light-sheet microscopy* |
| 16:50 | **Mystery Speaker** *Selected from the abstracts* |
| 17:10 | **Jonny Taylor**, University of Glasgow, Scotland  *Optical-computational techniques for timelapse imaging of heart structure and function in vivo* |
|  |  |  | |
| 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  *Optical control of bioelectricity to explore biological defibrillation* |
| 09:20 | **Franziska Schneider-Warme**, Universitäts Herzzentrum, Freiburg, Germany  *Optogenetic manipulation of the heterocellular heart* |
| 09:40 | **Sayedeh Hussaini**, Max Planck Institute for Dynamics and Self-Organization, Göttingen  *Temporal modulation of cardiac excitability using optogenetics: exceptional efficacy in terminating cardiac arrhythmia* |
| 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  *Correlative super-resolution microscopy for understanding the structural basis of fast, calcium signals in the heart* |
| 13:50 | **Martin Bishop,** KCL, London, UK  *Computational simulation in experimental and clinical cardiac electrophysiological research: interactions with novel optical imaging technologies* |
| 14:10 | **Leonardo Sacconi**, INO-CNR, Florence, Italy  *Correlating electrical disfunction and structural remodeling in Arrhythmogenic Mouse Hearts by advanced optical methods* |
| 15.00-15.30 | Closing remarks  Prize awards | Leonardo Sacconi, Caroline Müllenbroich | |