



PANERIS satellite workshop

Frontiers of Light Microscopy

Vilnius University Life Sciences Center

28th November 2024

- 9:00 Welcome and registration
9:30 Opening remarks
9:45 Prof. Daniel Choquet (CNRS, France) “Single-molecule resolution microscopy to study the glutamatergic synapse”
10:45 Session I
10:45 Dr. Kristina Jevdokimenko (European Molecular Biology Laboratory, Germany) “Highly multiplexed imaging for studying cellular biology”
11:15 Dr. Lukas Kontenis (Light Conversion, Lithuania) “Multiphoton microscopy applications enabled by femtosecond lasers”
11:45 Dr. Marijonas Tutkus (Vilnius University, Lithuania) “Bench-top cost-effective and open-source single-molecule localization microscopy solution for single-molecule tracking in living cells”
12:15 Dr. Daniela Avilés (Euro-BioImaging ERIC, Finland) “Democratising access to imaging technologies and expertise”
12:45 Lunch | Equipment demonstrations (live and remote)
13:45 Session II
13:45 Prof. Allen Kaasik (University of Tartu, Estonia) “Imaging of mitochondrial dynamics in neurodegenerative diseases”
14:15 Sylvia de Bruin (Molecular Devices, United Kingdom) “Advanced 2D and 3D imaging by Molecular Devices: pushing the boundaries of cellular research”
14:45 Dr. Julita Wesołowska (Maj Institute of Pharmacology, Polish Academy of Sciences, Poland) “Advanced microscopic techniques: central nervous system disorders in focus”
15:15 Wojciech Staniszewski (Precoptic, Poland) “AI tools in image analysis”
15:45 Coffee break
16:15 Session III
16:15 Dr. Nicholas Bechet (Lund University, Sweden) “Glymphatic pathways in the gyrencephalic brain”
16:45 Dr. Björn Sieberer (EVIDENT Europe, Germany) “Transforming precision imaging with new generation confocal microscope”
17:15 Dr. Sara Xapelli (University of Lisbon, Portugal) “Cannabidivarin and its neurogenic potential as a novel target for Rett syndrome: insights from microscopy-based analyses”
17:45 Przemek Fleszar (Leica Microsystems, Germany) “Advanced widefield imaging solutions for decoding 3D biology in real time”
18:15 Workshop closing

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