

Photonics for spatially resolved tissue analysis

Workshop on how to address unmet needs with photonics technologies

Program on Monday November 28th 2022, 14:00 – ca. 17.15 h
TECHNOPARK®, Technoparkstrasse 1, Zürich, Room «Fortran», 2. OG

Time	Presentation & Topic
14:00 h	Welcome & Introduction Dr. Jörg Güttinger, Managing Director Innovation Booster Photonics Ulrich Stärker, Board Member Swissphotonics Markus Rimann, Head of TEDD Competence Centre, ZHAW
14:20 h	Cancer Organoids as Patient Avatars in Precision Medicine Lara Planas-Paz, Department of Pathology and Molecular Pathology, University Hospital Zurich
14:45 h	Limits in 3D imaging with two-photon, three photon and light-sheet microscopy Stefanie Kiderlen, Lukas Krainer, Prospective Instruments GmbH
15:10 h	Automating Spatial Transcriptomics Michael Collasius, HSE AG
15:40 h	Coffee Break and Networking
16:10 h	Break-out Discussion Groups: 1. Break out Discussion 1 Challenges for 3D imaging and analysis techniques in deep tissue-like structures 2. Break out Discussion 2 Label-free non-invasive monitoring of organoid growth & development: current situation and unmet needs 3. Break out Discussion 3 Challenges in end-to-end processes of organoid production, treatment and culture in combination with imaging and analysis
ca.17:00 h	Wrap up & Next steps
17:15 h	Apéro and Networking

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