

Light-sheet microscopy and astrophysics, an unexpected match.

Tuesday, April 14, 2026 1:30 PM (30 minutes)

The mesoSPIM is a grass-root initiative of microscopy builders (www.mesospim.org) that started in Laboratory of Neural Circuit Dynamics at the University of Zurich (UZH) in 2015 with the aim of democratizing access to DIY high-performance light-sheet microscopes. It gradually gained recognition among biomedical research labs and light microscopy facilities around the world. Unexpectedly to its developers, the light-sheet microscopes that were intended for biologists found applications in detection of neutrinos and dark matter. In my talk I will review the principles used in mesoSPIM, such as axially scanned light-sheet microscopy (ASLM), share the latest developments in our project, and discuss possible useful variations of this open-source microscope.

Do you plan to give the talk in person?

Yes

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