

## Video: New light-sheet microscope for multicellular systems unveiled

June 12 2024



Credit: Friedrich Miescher Institute for Biomedical Research

Researchers at the FMI and Viventis Microscopy teamed up to develop a cutting-edge light-sheet microscope that has the potential to transform imaging studies and enable scientific breakthroughs.

Their study is <u>published</u> in the journal *Nature Methods*.

In this <u>video</u>, Franziska Moos—a Ph.D. student in the lab of Prisca Liberali at the FMI—discusses the development of the new microscope, which can image different multicellular systems, including organoids and



entire animals such as Hydra. The microscope allows for long-term imaging and can capture high-resolution images of cells and tissues in <u>real-time</u>—two abilities that have the potential to transform imaging studies and enable scientific breakthroughs.

**More information:** Franziska Moos et al, Open-top multisample dualview light-sheet microscope for live imaging of large multicellular systems, *Nature Methods* (2024). <u>DOI: 10.1038/s41592-024-02213-w</u>

## Provided by Friedrich Miescher Institute for Biomedical Research

Citation: Video: New light-sheet microscope for multicellular systems unveiled (2024, June 12) retrieved 25 June 2024 from <u>https://phys.org/news/2024-06-video-sheet-microscope-multicellular-unveiled.html</u>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.