



## Super resolution light nanoscopy at the single molecule level workshop.

Hamburg 09. - 13.02.2026

The UKE Microscopy Imaging Facility (UMIF), Abberior Instruments, Abberior Labels and Abbelight invite you to:

**Get familiar with the most advanced super resolution techniques: STED, camera based SMLM and MINFLUX nanoscopy.**

**Learn how to design samples and the labels available for Super Resolution Light nanoscopy.**

Get inspired by cutting edge applications of super resolution light nanoscopy in biomedical research.

Go to the microscopes for hands on sections on STED, Camera based SMLM and MINFLUX nanoscopy.

Book a new experience with the MIRAVA Poliscope, our special guest for the entire workshop.



# Super resolution light nanoscopy at the single molecule level workshop.

Registration link: <https://www.umif.de/calendars/events/eventdetail/44/8,9/umif-super-resolution-down-to-the-single-molecule-level-meeting>

## Program:

### Monday, 09.02.2026

Morning: Lectures (N25 CF2 seminar room 1)

09:00 am Welcome & Concept

Welcome

Antonio Virgilio Failla (UKE) – UKE's Super resolution light nanoscopy down to single molecule

Christian Wurm (Abberior) – Abberior MIRAVA Polyscope - Imaging across all scales – from millimeters to nanometers

10:30 am Coffee Break

11:00 am Applications in Super resolution nanoscopy

Yashar Rouzbahani (Abbelight): Unlocking Spatial Proteomic at unprecedented resolution

Stefan Lechner (UKE) –Cellular mechanotransduction at the nanoscale: Novel insights with MINFLUX nanoscopy

12:15 pm Lunch break

13:00 pm

Dog and pony show: 3 Groups 30 min What is possible with the MIRAVA, MINFLUX & SAFe360

Afternoon: Measurement Sessions (N25 rooms: 99.1.019.2, 99.1.020.2, 99.1.020.3)

14:30 pm User Measurements at special guest MIRAVA Polyscope

### Tuesday, 10.02.2026

Morning: Lectures (N25 CF2 seminar room 1)

09:00 am Sample preparation & Dyes for super resolution light microscopy

Bastian Klussmann (Abberior) – Sample prep for STED & MINFLUX

Dawid Lbik (Abberior) – Bringing color to science - News from Abberior dyes

Q&A Sample prep

10:30 am Coffee Break

11:00 am Applications in Super resolution

Alexander Carsten (UKE) –Visualizing bacterial infections at the nanoscale

Jessica Matthias (remote, confirmed) – MINFLUX Tracking

12:15 pm Lunch break

13:00 pm

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