Leica MICROSYSTEMS

SEE THE HIDDEN @ EMBL Imaging Centre

DISCOVERIES ACROSS SCALES: Fast and Gentle 3D Imaging powered by Advanced Light Sheet Technologies

Thursday, July 2nd, 2026 | 9:30 AM (Berlin) | 8:30 AM (London) | 11:30 AM (Dubai)

SPEAKERS

Dr. Timo Zimmermann

Team Leader in Light Microscopy Service and Development, EMBL Imaging Centre

Bernhard Magerl

PhD Student at Cavazza Lab, Department of Reproductive Endocrinology, University of Zurich

Dr. Marina Cuenca

Postdoc at Dayton and Trivedi labs, EMBL Barcelona

Laura Rustarazo-Calvo

PhD Student at Petridou Lab, EMBL Heidelberg

Dr. Florian Eich

Director Business Development Life Science, Leica Microsystems

Dr. Sarah Untucht

Application Scientist, Leica Microsystems

Dr. Davide Gambarotto

Application Manager, Leica Microsystems

Ulf Schwarz

Application Manager, Leica Microsystems

Dr. Zhongxiang Jiang

Application Manager, Leica Microsystems

Snapshot of a live mouse intestinal organoid from an 18-hour timelapse experiment. The fluorescent signal shows cell membranes. Sample courtesy of Sandra Scharaw. Scale bar, 50 µm.

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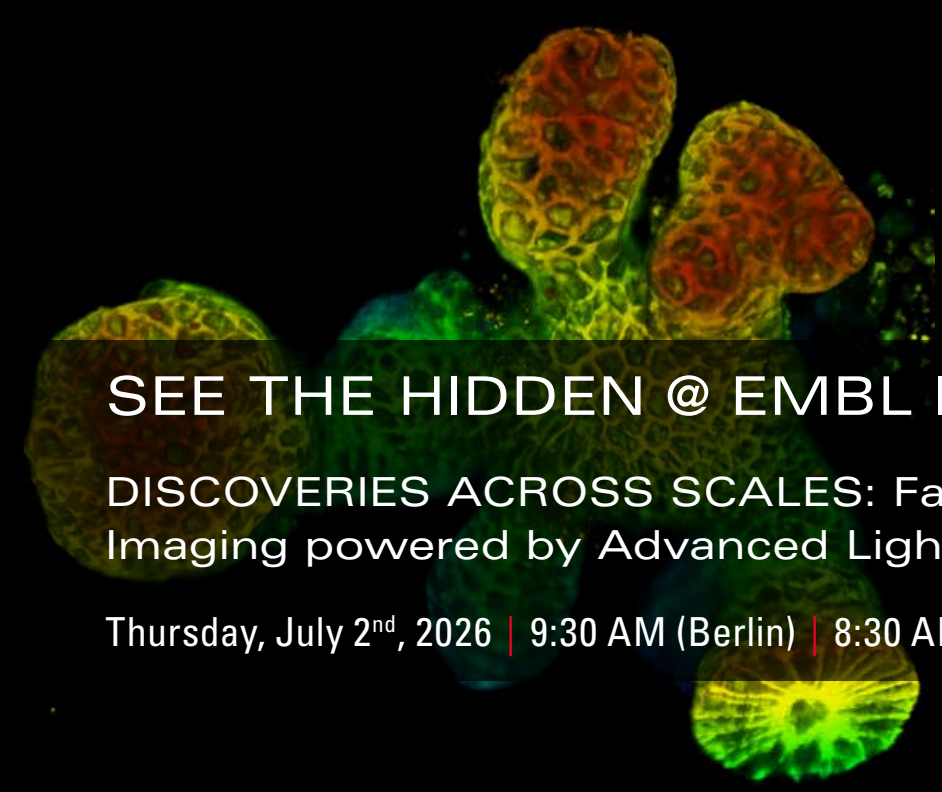

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Join us for the next hybrid edition of our See the Hidden series, broadcast live from the European Molecular Biology Laboratory (EMBL) Imaging Centre in Heidelberg. Leading scientists and imaging experts will share how next-generation microscopy enables fast, gentle, and information-rich 3D imaging across scales, from cells and organoids to complex tissues and embryos.

You will learn

- How fast, gentle volumetric imaging enables long term observation of dynamic processes in embryos, organoids, and tissues
- How advanced light sheet and high speed confocal approaches address challenges of depth, phototoxicity, and throughput
- How single objective and multi view light sheet strategies improve sample compatibility and scalability
- How quantitative 3D imaging and analysis can link cellular dynamics to tissue organization and developmental fate

Why you should join

- Learn directly from researchers applying state of the art 3D imaging to real biological questions
- Discover imaging strategies that balance speed, gentleness, and experimental flexibility
- Get an early look at the next generation of light sheet technologies, including SCAPE microscopy
- Join live to ask questions and gain practical insights to advance your own 3D imaging workflows

Join live to put your questions to the experts and gain fresh insights how next generation confocal and light sheet microscopy are enabling fast, gentle, and information rich 3D imaging across scales.

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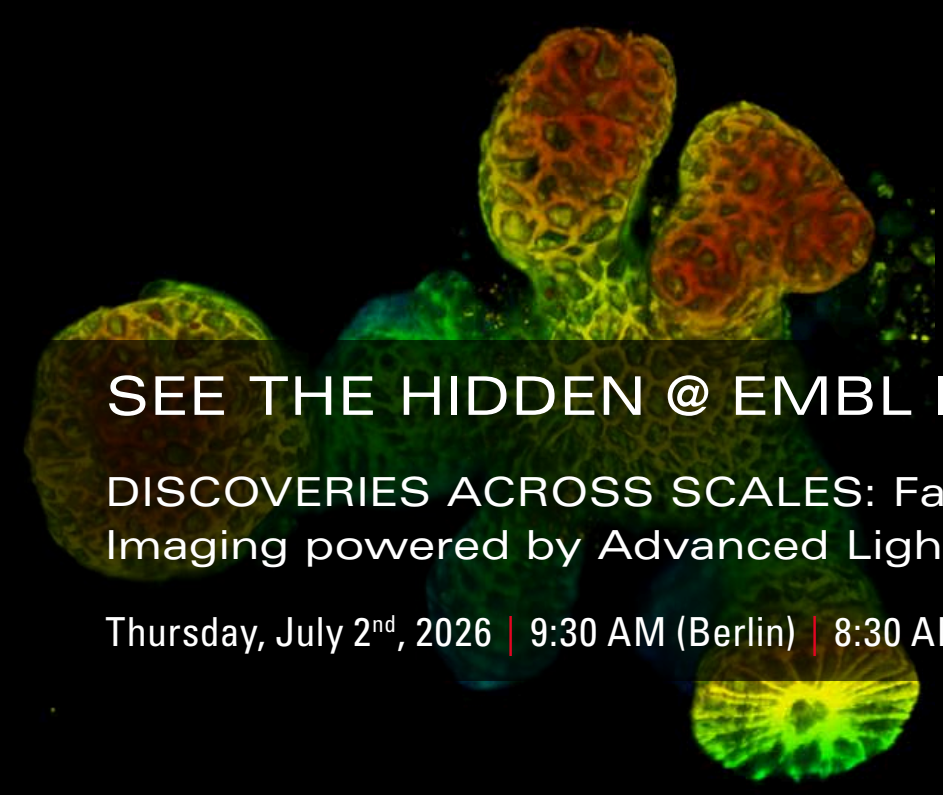

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SCIENTIFIC PROGRAMME

- **Welcome and opening remarks**
  09:30–09:35 | Dr. Florian Eich, Director Business Development Life Science, Leica Microsystems

- **Enabling Open Access at the EMBL Imaging Centre**
  09:35–09:45 | Dr. Timo Zimmermann, Team Leader in Light Microscopy Service and Development, EMBL Imaging Centre

- **Viventis SCAPE – Easy to use, high speed 3D imaging at your fingertips**
  09:45–10:00 | Dr. Sarah Untucht, Application Scientist, Leica Microsystems

- **Scaling up organoid throughput with SCAPE microscopy**
  10:00–10:30 | Dr. Marina Cuenca, Postdoc at Dayton and Trivedi labs, EMBL Barcelona

  LIVE Q&A SESSION: 10:30–10:40

- **Viventis Deep: Revealing life in full context**
  10:40–10:55 | Dr. Davide Gambarotto, Application Manager, Leica Microsystems

- **Different roads to tissue rigidity: How mechanical phase transitions impact morphogenesis**
  10:55–11:20 | Laura Rustarazo-Calvo, PhD Student at Petridou Lab, EMBL Heidelberg

  LIVE Q&A SESSION: 11:20–11:30

  COFFEE BREAK: 11:30–11:45

- **Enlightening Early Embryogenesis: Origin and consequences of aneuploidy**
  11:45–12:10 | Bernhard Magerl, PhD Student at Cavazza Lab, Department of Reproductive Endocrinology, University of Zurich

- **Panel discussion**
  12:10–12:40 | All speakers

  LUNCH – NETWORKING: 12:40–13:30