



SEMINAR SERIES 2026

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Dr. Julia Mahamid

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Julia Mahamid studied biology at the Technion – Israel Institute of Technology in Haifa, and obtained her PhD at the department of Structural Biology, Faculty of Chemistry from the Weizmann Institute of Science in Rehovot in 2010. Supported by EMBO and HFSP postdoctoral fellowships at the Max Planck Institute of Biochemistry in Martinsried, Germany, she contributed to advancement of cryo-FIB lamellae preparations from intact frozen hydrated cells, their synergy with state-of-the-art cryo-EM imaging, spearheaded the development of 3D cryo-correlative confocal fluorescence microscopy for site-specific preparations, and pioneered cryo-FIB lift-out for visual proteomics in multicellular specimens. Since 2017, she leads an independent research group at the EMBL that continues to develop cryo-ET to achieved unprecedented resolution and insights into complex biology, and to establish it as key technology for structural cell biology. In 2024, she became the head of the Molecular Systems Biology Unit at the EMBL. She is the recipient of the 2021 Ernst Ruska Prize of the German Society for Electron Microscopy, the 2023 EMBO Gold Medal, the 2024 Michael and Kate Bárány Award of the Biophysical Society, the Leibniz Prize of the German Research Foundation, and an ERC Synergy Grant.



Presentation: Enabling discovery by in-cell structural biology