

The EMBL Imaging Centre, open access to cutting-edge electron and light microscopy

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Abstract

The EMBL Imaging Centre (EMBL IC) is EMBL's new service facility on the Heidelberg campus that makes cutting-edge imaging technologies accessible to scientists from all around the world, from academia and industry. The portfolio of the EMBL IC includes high- and super-resolution electron microscopy (EM) and light microscopy (LM) technologies, correlative light and electron microscopy (CLEM) approaches, as well as technologies not yet commercially available. Complementing the open access, expert staff from two integrated service teams for LM and EM provide tailored project support during the full experimental cycle: from sample preparation to image data analysis. To extend knowledge about the handling of these technologies and the related workflows within the scientific community, the EMBL IC is extending EMBL's outstanding existing course and conference programme in the area of imaging technologies, with dedicated expert courses and regular user meetings to bring together the imaging community. Job shadowing targets fellow imaging service facility staff from all around the world. In order to make new technologies available to an even broader scientific community as quickly as possible, we work in an open innovation concept with our corporate partners to develop technologies in close collaboration between industry and academia. Through these training and commercialisation multipliers, we hope to help even more researchers in accessing the newest imaging technologies and workflows.