

ForMAX – a beamline for multiscale and multimodal structural characterization of hierarchical materials

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The ForMAX beamline at the MAX IV Laboratory provides multiscale and multimodal structural characterization of hierarchical materials from nm to mm length scales, by combining small- and wide-angle x-ray scattering (SWAXS), scanning SWAXS imaging, full-field microtomography, Rheo-SWAXS, and X-ray multi-projection imaging [1]. The beamline is funded by the Knut and Alice Wallenberg Foundation and industrial partners to advance research and development of sustainable materials and speciality chemicals from forest raw materials, but the beamline is also open for general users within, e.g. materials science, food science, and biomedical imaging.

[1] K. Nygård et al., J. Synchrotron Rad. 31, 363-377 (2024)