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Materials Discovery Lab: a new synthesis and crystal growth facility at the centre of the PSI-ETH collaboration

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Single crystals of new emergent materials are crucial for the detailed investigation of their fascinating physical properties. Significant progress has been made in the past years in the study of materials that exhibit exotic properties due to breakthroughs in the availability of high-quality single crystals of these compounds.

The Materials Discovery Lab is a new synthesis and crystal growth facility based in the Department of Materials, at ETH Zurich. The idea for this laboratory stems from a joint initiative of PSI and ETH Zurich and aims to strengthen the links between the two institutions, as well as to establish further collaborations with industrial and academic partners. I will present some of the capabilities of this new facility and highlight the new science that this project will enable on a range of exciting and topical areas.