

Mail-in protein-to-structure services at EMBL Grenoble HTX Lab to support research on COVID-19.

The High throughput Crystallization Facility at EMBL Grenoble (HTX Lab) provides access to a fully automated protein-to-structure pipeline based on the CrystalDirect technology and the CRIMS software. This pipeline starts with mail-in samples and integrates crystallization screening, crystal optimization and automated harvesting in a continuous and fully automated workflow that can be operated by any scientist from a desktop computer with connection to the internet. The CRIMS software is able to communicate with the ESRF and Petra III synchrotrons to support automated and remote X-ray data collection and provides real-time access to experimental results and parameters. These capabilities are uniquely suited to support structural biology projects in conditions of confinement. The HTX lab is accepting projects on COVID-19 related research starting April 16th.

The HTX Lab also provides access to dedicated pipelines for the rapid analysis of protein-small molecule interactions as well as for large scale fragment screening to support development of inhibitors and chemical tools. This includes access to two fragment libraries (1200 and 700 fragments respectively) and automated data processing for hit identification.

If you want to benefit from access to the HTX lab for COVID-19 research, please send an e-mail to htx@embl.fr indicating the project goals and a description of the samples you would be shipping.

Best regards

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