

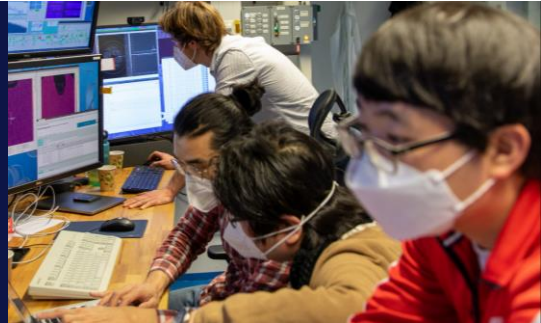
COVID-19 research

European XFEL, Germany



User facility

- World's largest X-ray laser
- Up to 27,000 pulses / second
- Biology, materials science, high energy density, molecular physics, catalysis, magnetism



COVID-19 research

- Our facilities enable
 - Protein structure determination from small or radiation-sensitive crystals
 - Exploration of time-resolved processes, such as binding of drug candidates
- Beam time has been made available for
 - Drug candidate studies: binding of ligands to COVID-19 proteases
 - SAXS studies of coronavirus proteins