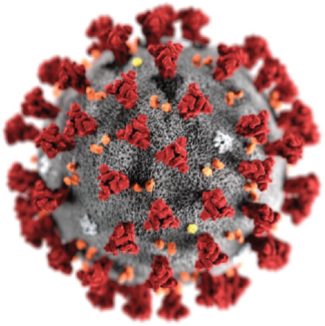

Research Infrastructures and COVID-19 Research

ACCELERATE is funded by the European Union Framework Programme for Research and Innovation Horizon 2020, under grant agreement 731112

Research Infrastructures and COVID-19 Research

Responses to the questionnaire

Helmholtz Zentrum Berlin für Materialien und Energie GmbH

Helmholtz-Zentrum Berlin offers to date 38 measuring stations that are arranged around the synchrotron storage ring BESSY II@HZB, providing excellent experimental conditions to a wide and versatile scientific community. In addition to solving major challenges in energy, earth & environment, matter, and key technologies, many of them serve diverse medicine-related research, too.

SERVICE/S IMPLEMENTED

HZB-MX has always offered emergency data collection services, which are now intesified to promote urgent research fighting the COVID19 pandemic. For this important corona-related research the three MX-beamlines of HZB will remain open to receiving external projects.

- **What stage in COVID-19 intervention your RI is addressing?**

Macromolecular Crystallography;
https://www.helmholtz-berlin.de/forschung/oe/np/gmx/index_en.html

- **Instruments/databases involved:**

Beamlines 14.1 and 14.2 are dedicated to multi-wavelength-anomalous dispersion (MAD) phasing methods operating between 5.5-15.5 keV (2.25 to 0.75 Å), which cover the absorption edges of most commonly used heavy atom derivatives. State-of-the-art detector technologies, including the PILATUS 6M (BL14.1) and PILATUS3S 2M (BL14.2) detectors (Dectris, Switzerland), enable high quality and rapid data collection. Fast and reliable sample changing is realized by automated samples changing robots CATS and G-ROB employed on both beamlines 14.1 and 14.2, respectively. Beamline 14.3 is a fixed energy station operating at 13.87 keV (0.89 Å).

- **How is the proposal submitted?**

In light of the rapidly changing situation world-wide resulting from the SARS-CoV-2 virus BESSY II would like to ensure that it is doing everything possible to support researchers in their efforts to discover more about the virus and bring us closer to an effective vaccine or treatment. We are offering priority fast track access for groups who require instrument time for projects directly related to SARS-CoV-2. In order to submit a proposal for SARS-CoV-2 related research please contact us via rapid-access-covid19@helmholtz-berlin.de

- **Who evaluates the proposal?**

the scientists in charge

- **Is the submission continuous, or linked to a deadline?**

continuous

- **What is the estimated time from the submission to the access / service provision?**

2 days

CHARACTERISTICS OF THE ACCESS

Restrictions: COVID-19 Research only

In the case of analytical facilities, modality of access allowed: Remote and on-site access

If on-site access is allowed, is mobility support available?	YES
Is the access free for non-proprietary research?	YES
Is commercial access available at reduced prices?	YES
Are there limitations regarding the type of samples?	YES
Are there special requirements for shipment of the samples?	NO
Are there specific requirements regarding the preparation or handling of the samples?	YES

Additional comments related to the questions above: bio safety level 1

ACCESSIBILITY OF THE PUBLICATION AND DATA

Is there any requirement to publish in open access journals?	NO
Is the data generated associated to metadata and is it publicly available?	YES
If yes, what is the embargo period?	5 years
Where is the data or metadata published? (e.g. in the institution's catalogue, in other open data repositories, etc).	PDB entries and additional work in progress
Do you have further comments about data or metadata?	