

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



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Responses to the questionnaire

STFC Central Laser Facility, UK

The Central Laser Facility (CLF) at the STFC Rutherford Appleton Laboratory is one of the world's leading laser facilities providing scientists from the UK and Europe with an unparalleled range of state of the art technology. CLF is a partnership between its staff and the large number of members of UK and European universities who use the specialised laser equipment provided to carry out a broad range of experiments in physics, chemistry and biology.

SERVICE/S IMPLEMENTED

We are offering access to the CLF's Octopus microscopy facility, which offers a comprehensive range of optical microscopy instruments and techniques including super-resolution (PALM/STORM, SIM, and STED, including STORM at cryogenic temperatures), single molecule imaging and tracking, light sheet microscopy, FRET-FLIM, and optical trapping/tweezers. We also offer a Zeiss Crossbeam cryo FIB-SEM with "slice and view" capability.

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

Basic virus function, particularly interaction of the virus with cells and tissues, and with cellular components. Any aspects of virus biology that can be addressed by optical imaging techniques or slice-and-view FIB-SEM.

Instruments/databases involved:

CLF "Octopus" microscopy facility in the Research Complex at Harwell. Techniques listed in the brief description above.

How is the proposal submitted?

Web form accessible from this site: <https://www.clf.stfc.ac.uk/Pages/Covid-19-Rapid-Call-for-Access-to-the-Octopus-Facility.aspx>

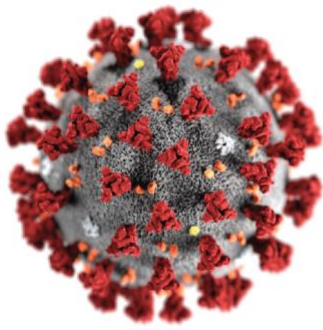
Who evaluates the proposal?

Light-touch peer-review by members of the CLF-RCaH Facility Access Panel.

Is the submission continuous, or linked to a deadline?

Continuous. Currently open until 1/5/20 but may be extended depending on circumstances at that time.

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



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1-2 weeks

CHARACTERISTICS OF THE ACCESS

Restrictions: NO

In the case of analytical facilities, modality of access allowed: Remote access only

Comment for remote access only: Sample loading will be by facility staff. Microscopes may be accessible to users through, e.g. remote desktop.

Is the access free for non-proprietary research?	YES
Is commercial access available at reduced prices?	NO
Are there limitations regarding the type of samples?	YES
Are there special requirements for shipment of the samples?	YES
Are there specific requirements regarding the preparation or handling of the samples?	YES

Additional comments related to the questions above: No live virus samples. Shipping and sample preparation to be discussed on a case-by-case basis.

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?	NO
If yes, what is the embargo period?	
Where is the data or metadata published? (e.g. in the institution's catalogue, in other open data repositories, etc).	To be published in journals and/or in the Central Laser Facility Annual Report.
Do you have further comments about data or metadata?	Facility users are expected to fulfil the data availability requirements of their funding bodies.