

MicroED commissioning: call for proposals

We are pleased to announce that a commissioning call for Micro-Electron Diffraction (MicroED) proposals, at eBIC, is now open. **The deadline for proposal submission is Friday 31st July 2020 17:00hrs BST.** This call will provide access to MicroED for a limited number of selected user proposals (Academic users only). The microED sessions will be remote only, no users are expected on site. Initially **only on-grid MicroED data collection with a Ceta-D detector on a Talos Arctica (200 keV) will be available.**

Proposals will be independently evaluated with respect to scientific merit and sample suitability, with in-house assessment of technical feasibility. Applications should include evidence that the proposed samples are suitable for MicroED experiments. All grids must be pre-screened, demonstrating that they have the appropriate ice thickness, that the majority of the EM grid support film remains intact, and that there is a reasonable crystal distribution. The best way to show this is to include TEM grid atlas images and images of the crystals at higher magnifications in the proposal.

For MicroED commissioning proposals that require CryoFIB time to achieve the desired sample thickness, please indicate this in the application. A separate proposal for CryoFIB rapid access should also be submitted. More information about CryoFIB rapid access can be found [here](#).

If your proposal is successful, sessions will be allocated from October 2020. Sessions will run from 9:00 am to 17:00 pm, with a maximum of 4 grids per day. Please indicate the number of days you would like to request in the proposal (we will allocate between 1-2 days).

All proposals need to be submitted through the User Administrator System ([UAS](#)). Once logged into the UAS you should choose the “commissioning” access route for the Talos Arctica instrument. You will be notified of the outcome of your application by mid-August.

For technical inquiries about proposed experiments please contact Yun.Song@diamond.ac.uk.

Please see below the bioRxiv preprint for information about microED workflow at eBIC: <https://biorxiv.org/cgi/content/short/2020.04.30.061895v1>