**Midlands Regional Cryo-EM Facility Project Proposal Form**

**Please complete both Section1 and Section 2 and submit the completed form to cryoem@leicester.ac.uk**

The Midlands Regional Cryo-EM Facility offers the two following **modes of access**:

**1.Hire of equipment and training for research purposes:** Researchers can submit a project proposal for the Hire of the Titan Krios. Once approved and a date of commencement is agreed, the researcher can visit the facility to hire the equipment. The agreement covers the hire of the microscope, not the use of the facility. Due to the complexity of the microscope’s operation and for health and safety reasons, training and supervision will be provided as part of the hire which is considered ancillary to the hire of the instrument.

**2.Data collection service:** Researchers can submit a project proposal for use of the Titan Krios. Once approved and a date for data collection is agreed, the researcher can ship frozen-hydrated specimens to the facility. Based on the agreed data collection strategy between the facility and the user, the facility staff will setup data collection accordingly. The user is not required to be present but is welcome to do so. For tomography we recommend the researcher be present during the data collection setup to make sure the best areas are selected.

The data and specimens will be shipped back to the user once data collection is completed.

**By submitting this form for consideration you have read and are agreeing to our** [**terms and conditions**](https://le.ac.uk/~/media/uol/docs/research-institutes/liscb/cryoem_liscb_terms_and_conditions_v20191031.pdf?la=en)

**Section1: Project Proposal**

|  |  |
| --- | --- |
| **Contact’s Name** |  |
| **Contact’s Email address** |  |
| **Contact’s phone number**  |  |
| **Affiliation** |  |
| **Country** |  |
| **Group Leader’s name** |  |
| **Are Industrial partners involved? If yes please name.** |  |
| **Funding source** |  |
| **Charitable Organisation (e.g. University)? (Please email a copy of VAT exemption along with this form)** |  |
| **Mode of access (Hire or Service)** |  |

Please provide a paragraph of no more than 500 words describing the project, the scientific impact and the objectives of this visit. Please paste one image of a representative micrograph (with scale bar) and one image of 2D class averages (only for single particle projects) and outline what instrument this data was acquired on. If a preliminary 3D structure has been obtained please include any relevant information such as resolution and how the Krios will help improve the structure.

**Representative Micrograph**

**2D class averages**

**Section2: Sample details:** Please fill in the following fields:

|  |  |
| --- | --- |
| **Total molecular weight** |  |
| **Expected symmetry** |  |
| **Biosafety category or level** |  |
| **GM approval obtained?** (Only for Uni. Of Leicester) |  |
| **Type of grids (e.g. R1.2/1.3)** |  |
| **Additional support film (e.g. thin carbon or graphene)** |  |
| **Phase plate required?** |  |
| **K3 or Falcon 3 (linear/EC)**  |  |
| **EPU or Serial EM** |  |
| **Number of days required** |  |
| **Shipping company account number**  |  |
| **Dewar return address** |  |