CSB CryoEM Facility (CCF)

– Titan Krios G4 Access Proposal

Submit this form to the CCF Executive Review Committee for initial approval (Mr. Mi Li; emails: [lim@mail.nih.gov](mailto:lim@mail.nih.gov)).

**Project Title:**

**Principal Investigator (PI):**

**Lab/Branch:**

**Email:**

## 1. Project Summary (≤250 words)

## 2. Sample Description

Target macromolecule/complex:

Approximate size (kDa):

## 3. Supporting Data and updated Progress Report (Attach as PDF or include Pictures)

* Atlas images (overall ice coverage)
* Square images (ice thickness)
* High-magnification images (particle distribution)
* 2D classification or 3D density map from the data collected on Arctica (better than 0.6 nm resolution )
* Particle distribution plots and 3D-FSC/cFAR scores
* Any additional data/comments supporting suitability for Krios use:

**4. Target Resolution and Data Volume**

Target resolution (Å):

Estimated data volume (e.g., # of micrographs or particles needed):

**Note:**

1. For non-structural biology laboratories, please specify a collaborating CCR laboratory with cryoEM expertise.
2. Please include the following acknowledgment in any publication that uses data generated at the CCF:  
   *“This study utilized the Center for Structural Biology CryoEM Facility at the Center for Cancer Research, NCI, NIH.”*  
   Kindly notify us at lim@mail.nih.gov once the related paper is accepted.

**PI Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**