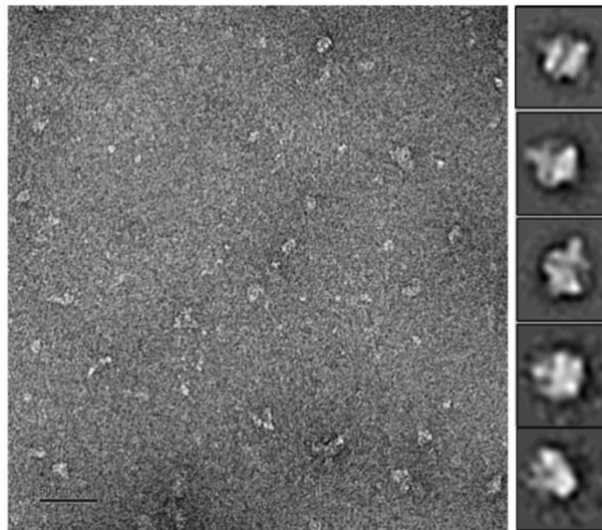


## Supplementary Information

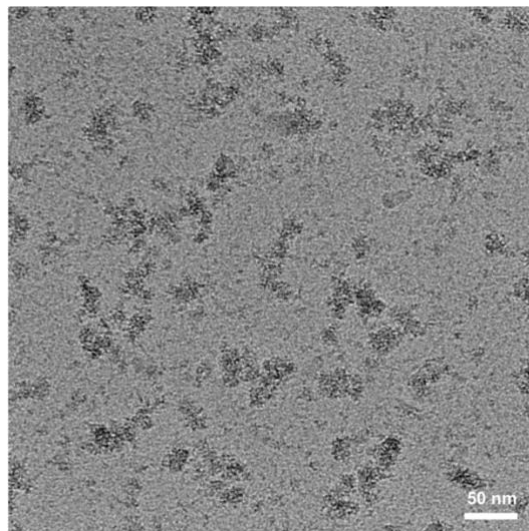
Size of Particles (kDa): ~400 kDa

Symmetry: C1 symmetry



Representative uranyl formate-stained micrograph and 2D classes

A dataset above was collected on a FEI Spirit LaB<sub>6</sub> Electron Microscope at 120kV. The collected images and resulting particles were processed using Relion.



Representative cryo-EM micrograph

Vitrification condition was screened by FEI Talos F200C microscope. However, due to the lack of a direct detector, we cannot acquire a high-resolution dataset. We expect to obtain super-resolution micrographs with a K2 camera in counting mode. Therefore, access to NCCAT's EM facilities is essential for the success of this project.