

BAG report_Kowalinski (15/11/21-17/11/21)

Sample NCBC

On the 15.11.2021 - 17.11.2021 we collected a dataset of the nuclear cap binding complex from *Trypanosoma brucei* bound to its substrate the cap-4 (mRNA 5'-cap). From this data collection we obtained a total of 14 246 Micrographs from which we could pick 5 596 860 particles. This data set is still in the state of processing. So far we could obtain a 3D reconstruction to 2.8 Å, which is still improving. There were two specific densities we were interested to see in the obtained cryo-EM map. Currently we only see one and for the second, further processing will be needed which is currently in progress. Once fully processed, this eventually will go into a publication, which hopefully will be published this or early next year.