



The Max Planck Institute of Biophysics is a leading international research institute that uses biophysical, biochemical and computational methods to investigate the structure, dynamics and function of cellular systems at the molecular scale. It consists of four scientific departments, multiple research groups and scientific core facilities, with about 200 employees from more than 25 countries.

The Department of Molecular Sociology advertises a

### **HiWi Job with potential continuation as a master thesis**

Topic: Implementation of new features for tomographic software

The main task will be to implement and test subvolume reconstruction within our existing tomographic software called novaCTF (<https://github.com/turonova/novaCTF>).

The working hours per week and contract duration will be subject to an individual agreement but with a minimum contract duration of three months. There is a possibility for an extension to a Master project. Given the current pandemic situation the work can be done fully remotely and with flexible working hours during the day.

#### Requirements:

- solid programming skills in C++
- experience with SW development in a Linux environment
- basic knowledge on image processing or computer graphics is a plus
- experience with testing (Googletest) and version control is advantageous
- no previous experience with cryo EM data or structural biology are necessary
- fluency in English

The Institute and the Max Planck Society intend to enhance the proportion of women in areas where they are underrepresented, and they are therefore especially encouraged to apply. The Max-Planck Society welcomes and encourages applications by disabled individuals.



Applicants should provide a CV including a list of passed subjects (including grades) and previous projects.

Applications should be sent to [beata.turonova@biophys.mpg.de](mailto:beata.turonova@biophys.mpg.de)



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