

Master's Thesis in Structural biology



The Research Institute of Molecular Pathology (IMP) in Vienna pursues world-class research in basic molecular biology. It is located at the Vienna BioCenter and largely sponsored by Boehringer Ingelheim. With over 200 scientists from 40 countries, the IMP is committed to scientific discovery of fundamental molecular and cellular mechanisms underlying complex biological phenomena.

The newly established Plaschka lab has an open position for a Master's student at the Institute of Molecular Pathology (IMP). The lab uses biochemistry and cryo-electron microscopy to study the mechanisms of mRNA regulation.

The successful candidate will carry out research on an essential multi-subunit complex involved in mRNA regulation. He/she will be exposed to a variety of molecular biology techniques, including biochemical preparation of the complex from insect cells (cloning, purification) and structure determination by cryo-electron microscopy.

The ideal applicant will be highly motivated, have an interest in structural biology and have experience in molecular biology. The position will remain open until it is filled. The student will receive a monthly stipend of € 500, -.

To apply please send a CV and cover letter to:

Dr. Clemens Plaschka

clemens.plaschka@imp.ac.at; www.imp.ac.at; www.viennabiocenter.org

Further reading:

1. M. E. Wilkinson*, P.-C. Lin*, C. Plaschka*, K. Nagai. Cryo-EM studies of pre-mRNA splicing: from sample preparation to model visualization. Annual Reviews of Biophysics (2018) in press, *These authors contributed equally.
2. C. Plaschka*#, P.-C. Lin*#, K. Nagai#. Structure of a pre-catalytic spliceosome. Nature (2017) 546, 617–621. *These authors contributed equally. #Co-corresponding authors.