

Master's Thesis in Biochemistry and Cell 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 structural biology and biochemical methods to study the mechanisms of mRNA regulation.

The successful candidate will carry out research to study key human macromolecular complexes involved in mRNA processing. He/she will engineer human cell lines using CRISPR/Cas9 to tag complexes for their biochemical and functional characterization. He/she will be exposed to a variety of molecular biology techniques, including the preparation and biochemical characterization of native RNA-protein complexes (cloning, cell culture, purification) and in vivo functional assays.

The ideal applicant will be highly motivated, have a strong interest in biochemistry and have experience in cell culture. We offer an exciting research project, outstanding infrastructure, and a unique opportunity to combine biochemistry with cell biology. The position is available from the **15th of March 2019**, and remains 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

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www.imp.ac.at

www.viennabiocenter.org

Further reading

C. Plaschka^{*#}, P.-C. Lin^{*#}, C. Charenton, K. Nagai[#]. Prespliceosome structure provides insight into spliceosome assembly and regulation. *Nature* (2018) 558, 419–422. ^{*}These authors contributed equally. [#]Co-corresponding authors.

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.