

MASTER STUDENT IN NEURAL DEVELOPMENT

IMBA - Institute of Molecular Biotechnology is one of the leading biomedical research institutes in Europe focusing on cutting-edge functional genomics and stem cell technologies. IMBA is located at the Vienna BioCenter, the vibrant cluster of universities, research institutes and biotech companies in Austria. IMBA is a basic research institute of the Austrian Academy of Sciences, the leading national sponsor of non-university academic research. We are searching for a Master Student in Neural Development

The Knoblich lab at IMBA, Vienna, is studying brain development using human cerebral organoids as a model system. An opportunity exists for a highly motivated Master student to join a project involving ultrasensitive CRISPR/Cas9 screening in human cerebral organoids and microcephaly.

The successful applicant will have the opportunity to follow up individual hits that emerged after a screen testing for genes that cause microcephaly using cerebral organoids. The aim will be to uncover the underlying mechanism of how the knock-out of one of the hits from the screen causes microcephaly. The applicant will be exposed to a broad range of techniques including: Human stem cell culture, immunohistochemistry, single cell sequencing, RNA-seq, FACS.

An ideal applicant has an interest in brain development and neuroscience. In addition, experience in molecular biology and cell culture are beneficial. The successful applicant will receive a stipend.

Please apply only *online* by July 31st, 2019 at the latest.

For more information please have a look at:

<https://www.imba.oew.ac.at/research/juergen-knoblich/>
www.imba.oew.ac.at