

# 2 x Master Thesis available

Institute for Neuroscience, Medical University Innsbruck  
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The Institute for Neuroscience, located at Innrain 66, seeks two talented and committed young researchers for two master theses (9 month practical work and 3 month writing and finishing). The faculty of the Institute for Neuroscience is dedicated to enabling outstanding young science students (molecular biology, molecular medicine or biotechnology) to embark on a research career in neuroscience, providing a cutting-edge, internationally competitive and FWF-funded thesis project and excellent working conditions.

## Project 1

The project will investigate the relevance of 3D-folding of chromatin in human neurons for human cognitive ability and risk for neuropsychiatric disease. Key techniques include neuronal differentiation of human iPSCs, genome editing as well as NGS-analyses (single cell RNA-seq, ChIP-seq).

## Project 2

The project will test the hypothesis that DNA-repair mechanisms are activated in neurons by neuronal activity in order to control expression of genes involved in learning and memory. The most important techniques include neuronal cell culture, confocal microscopy and transcriptomics.

Both projects are available immediately.

In case you are interested please contact us ([georg.dechant@i-med.ac.at](mailto:georg.dechant@i-med.ac.at))

to arrange for an interview.

To learn more about our recent work  
please visit our website

[https://www.i-med.ac.at/ge\\_nw/](https://www.i-med.ac.at/ge_nw/)