Master thesis project
IgLON5 Parasomnia

A master position is available starting WS 22/23 in the research group of Romana Höftberger and Inga Koneczny at the Institute of Neurology of the Medical University of Vienna.

The project
IgLON5 is a cell adhesion molecule with many important cellular functions. Patients with IgLON5 autoantibodies have a very severe autoimmune disease with both neurodegeneration and neuroinflammation, and suffer from severe sleep disturbances, gait abnormalities and other symptoms.

We want to study the effect of the autoantibodies on muscle cells morphology, adhesion, differentiation and function.

Methods
Isolation of primary muscle cells
Cell-based assays
Fluorescence microscopy
PCR, qPCR
Western blot

Keywords
Human translational medicine
Neuroimmunology
Autoimmunity
Neurodegeneration
Cytoskeleton

Neuroimmunology research group
Prof. Dr. Romana Höftberger + Dr. Inga Koneczny
Institute of Neurology
Währingergürtel 18-20
1090 Vienna

If you are an enthusiastic life sciences master student who wants to work on this human translational medicine project and make a difference for severely affected patients, send an email with your CV and brief cover letter to: inga.koneczny@meduniwien.ac.at