Open position for a Master student in Molecular Pharmacology/Toxicology/Neuroscience

Our group at the Institute of Pharmacology (Medical University of Vienna) is currently seeking a Master student to work on molecular mechanisms of neurodegeneration in Parkinson’s disease.

The available project (starting date summer/fall 2023) will investigate molecular and cellular mechanisms of selective vulnerability and resistance in neurodegenerative disease, particularly how drugs of abuse such as amphetamines and pesticides (e.g. paraquat) influence disease initiation and progression. A major focus of our lab is on the role of neurotransmitter transporters and how they make specific neuronal populations either more vulnerable or more resistant to degeneration in order to identify new potential treatment strategies (e.g. gene therapies).

Our lab uses state-of-the-art molecular techniques including Cre/lox recombination for cell-type specific expression of genes in cells and mice, CRISPR/Cas9, generation and production of viral vectors, stereotaxic surgeries, neurobiochemistry and histology (incl. human postmortem tissues).

Financial support (“Forschungsbeihilfe”) will be provided and there will be the possibility to transition to a (funded) PhD student position after graduation!

More information on the lab can be found here: https://www.meduniwien.ac.at/web/en/forschung/researcher-profiles/researcher-profiles/detail/?res=thomas_steinkellner&cHash=95d25bd753483e5fd768011f1f730e44

Interested and motivated students should contact the Principal Investigator:

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Selected publications