

Medizinische Doktorarbeit in Der Neurologische Klinik und Poliklinik

Ausschreibung vom: 13.10.2022

Art der Doktorarbeit (bitte ankreuzen):

klinisch klinisch-experimentell experimentell med. historisch

*Thema der Doktorarbeit:
Role of the immune system in the gut-brain axis in Parkinson's Disease
*BetreuerInnen:
Prof. Dr. Chi Wang Ip, Dr. Rhonda McFleder
*Hintergrundinfo zur Doktorarbeit:
Parkinson's Disease (PD), the most common motor neurodegenerative disease, is not only characterized by motor dysfunction but also gastrointestinal dysfunction. Our lab and other labs have demonstrated that in both the brain and the gut inflammation occurs and this inflammation may lead to neurodegeneration and thereby the symptoms of PD. Recent evidence from our lab demonstrated that a specific subset of T cells in the gut are activated in PD and might translocate to the brain. Determining if these gut cells are responsible for neurodegeneration in the brain could provide a therapeutic target for the treatment of PD.
*Aufgaben des Promovierenden:
Immunohistochemical staining of animal tissue to determine if the gut T cells are enriched in the brain in PD Flow cytometry to analyze the activation of these cells in the brain, gut, and blood Cell culture experiments to determine if these cells result in neurodegeneration
*Voraussetzungen an den Promovierenden:
Strongly motivated student, excited about furthering the field of neurology
*Thema für strukturierte Promotion geeignet? (Graduate School of Life Science, GSLS)
Ja: <input checked="" type="checkbox"/> Nein: <input type="checkbox"/>
*Start, geplante Dauer und voraussichtlicher Zeitaufwand:
Ca. 6-8 Monate vollzeit, can begin as soon as possible
*Notwendigkeit Forschungssemester:
ja
Projektfinanzierung:
Drittmittel
Ethikvotum/Tierversuchsantrag?
TVA is genehmigt
*Kontakt: Bewerbungsunterlagen (Lebenslauf und Motivationsschreiben) an
Mcfleder_r@ukw.de

* Pflichtfelder

Bemerkung:

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