



The Office of Research for Medical Students

Research Project

Project Title:

Neuroinflammation and Neurogenesis in Schizophrenia

Date of request: 09/12/2025

Contact Information

Full Name: Cynthia Weickert, PHD

Title: PROFESSOR HS

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Resident? No

Research Project

Deep within the human brain lies a reservoir of stem cells capable of generating new neurons throughout life. We will build a molecular map of all cell types within this reservoir, which will allow us to understand how increased presence of immune cells in schizophrenia support or hinder the development of new neurons. This work will bring us closer to unlocking the potential of these stem cells to treat both psychiatric and neurological brain diseases in the future.

Research Location: NRB

Tele-research/remote opportunity? Yes

Will it require students to be physically present in the research location: YES

Type of research: Translational

Summer project? Yes

Long-term project: Yes

Availability required to work on your project(s):

As many hours as possible

Prior experience or specific skills required to work on your project(s):

Statistical programs, excel, some knowledge of neural cell types.

Bioinformatic helpful.