Curriculum vitae

ROXANNE HATTINGH

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EDUCATION





UCT CORTEX CLUB COMMITTEEE MEMBER IT and marketing portfolio for this student-run neuroscience society.	2021- PRESENT
TUTOR FOR UCT PHYSICS DEPARTMENT Tutored and demonstrated weekly for first year physics students. Responsibilities included supervising tutorials and practicals, marking, and invigilating during tests.	2019
TUTOR AT TEACHME2 Privately tutored Grade 8 - 12 mathematics students.	2018 – 2021
UCT SPACE AND ASTRONOMY COMMITTEE MEMBER In charge of communications. Responsibilities included marketing events and running social media accounts.	2018
WAITRESS, JUMELI CAFE	2016
BALLET Completed 13 years of RAD ballet training up to and including the Advanced I Ballet exam.	2002 - 2014

TECHNICAL SKILLS

COMPUTER SKILLS

Proficient in coding for data analysis and visualization with MATLAB and Python, have experience with using R and SPSS for statistical analysis.

Proficient with the NEURON +Python simulation environment for computational modelling of individual neurons.

Experienced using the software ImageJ for image processing and quantitative analysis Well versed in Microsoft Office Access for database creation and management, as well as Adobe Illustrator and Photoshop.

LABORATORY SKILLS

Immunohistochemical staining

Brightfield, fluorescence and confocal microscopy

Preparation of acute slices and organotypic slice cultures of human and mouse brain tissue Electrophysiological recordings using whole-cell patch clamping

RESEARCH INTERESTS

Neuroscience, specifically cellular neurophysiology and computational neuroscience. My master's project is investigating morphological and physiological changes in human cortical neurons and their signalling properties over development.