PETER DOOHAN

(+44)7543426638 ⋄ Oxford, UK

Email ⋄ Twitter ⋄ University Profile

EDUCATION

DPhil in Neuroscience, University of Oxford ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Expected 2025
Supervisors: Prof. Tim Behrens & Dr Thomas Akam
Clarendon Scholar

Master of Neuroscience, University of Oxford ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀2021 - 2022
with Distinction (2nd in Class)
Clarendon Scholar

Bachelor of Science (*Hons*), University of Sydney ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀2016-2020
Honours in Pharmacology (1st in Class)
Double major in Pharmacology & Human physiology

RELEVANT SKILLS

Programming	Python, MATLAB, Mathamatica, Git, Bash, LaTeX, Markdown
Experimental	Mouse electrophysiology, Mouse behavioural training, *In vitro* patch-clamp, Confocal imaging, Epilepsy animal models, Cell culture, Enzyme assays, Mass spectrometry

RESEARCH EXPERIENCE

DPhil Student ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Sep 2022 - Present
University of Oxford ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀*Oxford, UK*

- Currently my research focuses on how the medial-frontal cortex supports goal-directed navigation in complex environments. Specifically, analysing & modelling single-unit activity & behaviour of mice navigating a series of complex grid-mazes.

MSc Student ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Jan 2022 - Sep 2022
University of Oxford ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀*Oxford, UK*

- Planned and experimentally validated a complex route planning task in mice with concurrent ephys recordings.
- Completed a project with Prof Colin Akerman investigating the regulation of gap junction coupling between astrocytes.

Undergraduate Student & Research Assistant ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀2018 - 2021
Lambert Initiative for Cannabinoid Therapeutics, University of Sydney ⠀⠀⠀⠀⠀*Sydney, AUS*

- The Lambert Initiative is a philanthropically funded research centre studying medicinal cannabis in the context of paediatric epilepsy and its use more broadly in the Australian community.
- Here I pursued my interests in pharmacological research and later developed an interest in neuroscience. I contributed to, and led, multiple projects (see Publications) focused on basic cannabinoid pharmacology and drug-discovery.

LEADERSHIP & SERVICE

Welfare Officer ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Sep 2021 - Sep 2023
Corpus Christi College - University of Oxford ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀*Oxford, UK*

Science Peer Mentor ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀Sep 2018 - Sep 2020
University of Sydney ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀*Sydney, UK*

AWARDS & HONOURS

- 3-minute Thesis Prize, Nuffield Department of Clinical Neuroscience (Oxford) — 2023
- Corpus Christi College Senior Scholarship — 2023
- Clarendon Scholarship, University of Oxford — 2021-2025
- Epilepsia Basic Science Prize (Co-author) — 2020
- University of Sydney Honours Scholarship — 2019
- University of Sydney Academic Merit Prize — 2018
- University of Sydney Talented Students Program — 2017-2019
- Sydney Medical School Summer Research Scholarship — 2017-2018

PUBLICATIONS

See Google Scholar & ORCID