

Nikolaos Monios

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EDUCATION

- MRes Translational Neuroscience, Queen Square Institute of Neurology, UCL, 2020 (Distinction)

Research project: Elucidating histopathological characteristics of brains in SHRSP, model of Cerebral Small Vessel Disease, with a focus on hypoxia.

- BSc Neuroscience, Queen Mary University of London, 2019 (2:1)

Research project: A critical review of the Amyloid Hypothesis in Alzheimer's Disease Pathogenesis

- Ekpedefiki Anagennisi High School, Athens, Greece, 2016

- Greek High School leaving qualification: 19.8/20
- A-Levels: Biology (A), Psychology (C)

PROFESSIONAL EXPERIENCE

Research Intern, Biomedical Research Foundation of the Academy of Athens | October 2021-December 2021

- Demonstrated to the rest of the team how to embed freshly obtained brain tissue in OCT and how to cut the tissue on a Leica CM3050S cryostat.
- Conducted immunohistochemical experiments on mice and human brain sections to assess the inflammatory response of glial cells (namely astrocytes and microglia) in AD, when compared with control individuals.

Medical Laboratory Assistant, The Royal London Hospital | November 2020 – April 2021

- Containment Level 2 & 3 Laboratory work: The post involved booking in the patient's specimens (including Covid-19 specimens) into the laboratory IT system, the sorting of specimens, storage of specimens, biochemical processing, preparation of specimens for examination, and loading of specimens onto sample analysers, such the Panther, Cepheid and NeuMoDx analysers.

Research Assistant, Department of Neuroinflammation, UCL | September 2020 – November 2020

- Optimized the immunohistochemical protocol for double immunofluorescence labelling.
- Collected the serum of dissected animals.
- Stored PFA-fixated brains in sucrose solution for future projects.

Assistant Instructor, Plaka Watersports Naxos | June 2017 – August 2017

- Managed, maintained & organized the surfing equipment, and arranged the weekly surf lessons schedule.

SCIENTIFIC RESEARCH SKILLS AND TECHNIQUES

Immunohistochemistry & Immunofluorescence	Tissue embedding with OCT/paraffin
Confocal Microscopy	Cryosectioning
EEG	Cell culture basics
ECG	Flow cytometry
ELISA	GCP guidelines awareness
PCR	Meta-analysis
Gel electrophoresis	Systematic literature review

COMPUTATIONAL & STATISTICAL SKILLS

Python [<i>Course certificate</i>]	Web Development (HTML, CSS, JavaScript)
MATLAB [<i>Course certificate</i>]	SPSS/PSPP
Microsoft Word, Excel & Powerpoint	Fiji/ImageJ
STATA	GraphPad Prism
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POSITIONS OF RESPONSIBILITY

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- Secretary of the 2020 Queen Square Symposium Committee
 - ⇒ As a senior member of the committee, I coordinated and helped organize this annual event with over 70 attendees, 3 poster sessions and 4 keynote speakers, including: *Prof. John Hardy*, *Prof. Sarah Tabrizi*, *Prof. Giampietro Schiavo* & *Prof. Karl J. Friston*.
 - Student Representative for the Translational Neuroscience MRes program in UCL
 - ⇒ I took part in the monthly meetings between the student representatives and the course directors of the Institute of Neurology at UCL.