Curriculum Vitae

Personal Information

Iason Sifakis

Heraklion, 71307
iasonassifakis@hotmail.gr
13th January 1999

Education

Master's Degree in Neuroscience (2021-present)
University of Crete, School of Medicine
Bachelor's Degree in Biology (2017-2021)
University of Crete, Department of Biology
Specialization: Biomolecular Sciences & Biotechnology
        Grade: 7.15/10
Thesis supervisor: Dr. Panayiota Poirazi
        Grade: 10/10
High School Diploma (2014-2017)
        Grade: 19.2/20

Research experience/training

2022-2023 Rotation, Laboratory of basic Neuroscience, School of Medicine UoC
Project: "Investigation of the anti- Nogo and Lingo in remyelination using nanoparticles"
Supervisor: Dr. Domna Karagogeos
Main Methods used: Mouse cortex removal, OPC cultures, RNA extraction, Perfusion and adult brain removal, Brain tissue Immunofluorescence, Confocal Imaging

2022 Rotation, Molecular and Cellular Neurobiology, School of Medicine UoC
Project: "Investigation of Mena protein in sciatic axon regeneration"
Supervisor: Dr. Marina Vidaki
Main Methods used*: Western Blotting, DNA extraction, PCR, Brain tissue Immunofluorescence, Axoplasm's protein extraction, Brain slicing (Cryotome), Confocal Imaging*

2021 Undergraduate thesis, Computational Biology, IMBB-FORTH
Project: *"Development of a BLA circuit model"*
Supervisor: Dr. Panayiota Poirazi
Main Methods used: *Python 3, Brian simulator of spiking networks, AdEx models, CAdEx models, Data analysis, Data visualization*

2020-2021 Rotation, Computational Biology, IMBB-FORTH
Project: *"Development of a BLA pyramidal neuron model with dendrites"*
Supervisor: Dr. Panayiota Poirazi
Main Methods used: *Python 3, Brian simulator of spiking networks, AdEx models*

2020 Rotation, Computational Biology, IMBB-FORTH
Project: *"Development of a CA3 pyramidal neuron model with dendrites"*
Supervisor: Dr. Panayiota Poirazi
Main Methods used: *Python 3, Brian simulator of spiking networks, AdEx models*

2019 Rotation, Microbiology, University General Hospital in Heraklion
Project: *"Training in immunology tests"*
Supervisor: Dr.Chamilos Giorgos

Computer/Digital skills

Python 2/3, RStudio, Anaconda environment, Brian simulator for spiking networks, Data Analysis, Data visualization, Panda library, Numpy library, ImageJFiji

Languages

➢ Greek Native
➢ English C2 from the University of Michigan
➢ English C2 from MSU
➢ German B1 from the Greek State's Department of languages

Personal interests

Sports (Captain of Biology Department and High school Basketball teams), Literature, Hiking, Video games, Board games