POLINA MALAHOV

Ph.D. candidate in Neuroscience - Data analyst

CONTACT

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LANGUAGES

English, fluent
Russian, fluent
Hebrew, Native

SKILLS

MATLAB ● Python ● SolidWorks ● Data processing & analysis

In vitro cultures ● Viral transfection ● Immunocytochemistry ● Calcium Imaging ● Optogenetics Electrophysiology ● Functional neuroimaging

Critical thinking ● Creativity & Problem solving ● Collaborations and teamwork ● Strong work ethics ● Oral and written communication

EDUCATION

Sorbonne Université (Paris, France)
2023-2026
Ph.D. in Neuroscience
Studying Glaucoma mechanisms in hiPSC (human induced pluripotent stem cells), using transcriptomics and electrophysiology to explore the inflammatory pathways affecting neural function.

The Norwegian University of Science and Technology (NTNU) (Trondheim, Norway)
2021 - 2023
M.Sc. in Neuroscience
Research focused on the use of advanced microfluidic models to study structure-function dynamics in healthy and perturbed neural networks in vitro. **Grade: A**

Bar Ilan University (Ramat Gan, Israel)
2017 – 2020
B.Sc. in Neuroscience
Conducted behavioral experiments focusing on paradoxical thinking as a way of changing attitudes in the context of intergroup conflict.
Grade: A

WORK EXPERIENCE

RSIP Vision, Data analyst/team lead
2019–Present
Analyzing clinical records and medical images with the purpose of creating statistical data and develop solutions utilizing deep learning for image processing.

NTNU - Sandvig group, Research assistant
2021–2023
Conducting in vitro work utilizing various techniques (ICC, viral transfections, calcium imaging and optogenetics) on micro-scale engineered platforms for investigating neural network development and plasticity.

Bar Ilan University and Hebrew University, Research assistant
2018–2020
Administration of clinical neuropsychological testing to gather data from various research experiments conducted in the MEG neuroimaging unit and performing physiological and behavioral analysis of the collected data.