



## CONTACT

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## SKILLS

MATLAB • Python • R • 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

## LANGUAGES

English, fluent  
Russian, Native  
Hebrew, Native

# POLINA MALAHOV

Ph.D. candidate in Neuroscience - Data analyst

## 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 to investigate 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.