



Amir Mano

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Education

Ph.D. in Computational Neuroscience (2023 - Present)

Sagol School of Neuroscience | Tel Aviv University, Israel

- Supervisor: Prof. Yaniv Assaf
- Multimodal MRI research on "Neuroplasticity in Music Learning" examining neural musical features and instrument-specific characteristics
- Current GPA: 99

M.Sc. in Computational Neuroscience (2021 - 2023)

Sagol School of Neuroscience | Tel Aviv University, Israel

- Graduated *summa cum laude*
- Supervisor: Prof. Yaniv Assaf
- Research focuses on exploring long-term neuroplasticity induced by learning a musical instrument using advanced dMRI methods
- GPA: 97.6; Thesis grade: 98

B.Sc. in Biology and Linguistics with an emphasis on Neuroscience (2018 - 2021)

Sagol School of Neuroscience | Tel Aviv University, Israel

- Graduated *summa cum laude*
- Research project in Prof. Yaniv Assaf's lab exploring human fiber tracts using DWI scans
- GPA: 96, Dean's list 2019, 2021

Work Experience – Teaching

Teaching Assistant in various courses (2020 - Present)

Tel Aviv University, Israel

- "Neuroanatomy" lab instructor
- "MATLAB Programming for Neuroscience"
- "Intro to Neuroscience" (MOOC for diverse public audiences)
- "Intro to Linguistics"

Guest Lecturer (2022 - 2024)

Ono Academic College, Israel

- Guest lecture on imaging methods in Neurophysiology class

Work Experience – Research

Research Assistant in Prof. Yossi Yovel's lab (2019 - 2021)

School of Zoology | Tel Aviv University, Israel

- Acoustic signal processing of bats' recordings
- MRI analysis of bats' scans (DTI, rs-fMRI)

Awards and Honors

Best Poster Presentation Award, Israeli Pre- OHBM & ISMRM Conference (2026)

The Minducate Science of Learning and Innovation Center Scholarships (2023 - 2025)

Awarded for PhD proposal for exploration of both general and instrument-specific music-related brain features using multimodal MRI techniques.

Publications and Conference Presentations

Mano, A., Assaf, Y. (2026). Naturalistic fMRI and Instrument-Specific Neural Synchronization in Musicians. **Oral Presentation & Poster** at the Organization for Human Brain Mapping (OHBM) Annual Meeting, Bordeaux, France; and the Israeli Pre-OHBM & ISMRM Conference (Awarded Best Poster).

Mano, A., Assaf, Y. (2023). Grey Matter Plasticity Induced by Learning a Musical Instrument. **Poster Presentation** at the Collaborative Research in Computational Neuroscience (CRCNS) and OHBM annual meetings.

Languages

- Hebrew – Native
- English – Fluent
- Spanish, Russian – Conversational

Other

Trombone player in several musical groups