

Personal Information

Andrea Stefano Moro



| Date of Birth 11/03/1993

| Nationality Italy

EDUCATION AND TRAINING:

- 2019 Specialization at the AMISI School of Psychotherapy, via Paisiello 28, Milano
- 2015 / 2017 Master's Degree in Psychology, specialization in Cognitive Neuroscience, Vita-Salute San Raffaele University, via Olgettina 58, Milano. Thesis titled: 'Design and investigation of topologically defined in vitro brain circuits for associative learning and memory'
- 2012 / 2015 Bachelor's Degree in Psychological Sciences and Techniques, Vita-Salute San Raffaele University, via Olgettina 58, Milano. Thesis titled: 'Le dinamiche di attrattore nelle neuroscienze computazionali: basi teoriche e applicazioni sperimentali'

ACADEMIC AND PROFESSIONAL EXPERIENCE:

- 2023 Researcher (co.co.co.) at the Proteomics Unit of Iron Metabolism, Neuroscience Division, DIBIT1-San Raffaele Hospital, Via Olgettina 58, 20132 Milano
- 2023 Instructor at the Master's program in Behavioral Neuroscience, Cerebro SRL, Via Paisiello 24, Milano
- 2021 Member of the Center for Behavioral Neuroscience and Communication, Vita-Salute San Raffaele University, via Olgettina 58, Milano
- 2021 Instructor for the Scientific Writing Methods course at Sigmund Freud University, Ripa di Porta Ticinese, 77, Milano MI
- 2021 TMS Operator and Tester at the CIP-TMS center, Foro Buonaparte, 57, Milano MI

- 2020 Internship at the Psychosocial Center (CPS) of Viale Beatrice D'Este 13D, Vigevano PV
- 2019 Teaching Assistant for the course in Elements of Anatomy and Physiology of the Nervous System at Vita-Salute San Raffaele University, via Olgettina 58, Milano MI
- 2019 Research Fellow at the University of Milan, Department of Physics, CIMAINA
- 2018 Teaching Assistant for the Neuroscience course at Sigmund Freud University, Ripa di Porta Ticinese, 77, Milano MI
- 2015/2018 Internship at the Neurobiology of Learning and Memory Unit (HSR)

SCIENTIFIC ARTICLES:

- Levi, S., Ripamonti, M., Moro, A.S. et al. Iron imbalance in neurodegeneration. *Mol Psychiatry* (2024). <https://doi.org/10.1038/s41380-023-02399-z>
- Moro, A. S., Saccenti, D., Ferro, M., Scaini, S., Malgaroli, A., & Lamanna, J. (2023). Neural Correlates of Delay Discounting in the Light of Brain Imaging and Non-Invasive Brain Stimulation: What We Know and What Is Missed. *Brain Sciences*, 13(3), 403.
- Moro, A. S., Saccenti, D., Seccia, A., Ferro, M., Malgaroli, A., & Lamanna, J. (2023). Poke And Delayed Drink Intertemporal Choice Task (POKE-ADDICT): An open-source behavioral apparatus for intertemporal choice testing in rodents. *Animal Models and Experimental Medicine*.
- Moro, A. S., Saccenti, D., Scaini, S., Ruggero, M. G, Sassaroli S., Malgaroli, A., Ferro, M. & Lamanna, J. (2023). Insight into the cognitive processes behind craving in addiction: a transcranial magnetic stimulation (TMS) study on delay discounting. Submitted
- Moro, A. S., Saccenti, D., Vergallito, A., Scaini, S., Malgaroli, A., Ferro, M., & Lamanna, J. (2023). Transcranial direct current stimulation (tDCS) over the orbitofrontal cortex reduces delay discounting. *Frontiers in Behavioral Neuroscience*.
- Misitano, A., Moro, A. S., Ferro, M., & Forresi, B. (2022). The Dissociative Subtype of Post-Traumatic Stress Disorder: A Systematic Review of the Literature using the Latent Profile Analysis. *Journal of Trauma & Dissociation*, 1-17.
- Moro, A. S. (2022). A Concrete Recipe to Reinvent and Innovate the Bachelor's Program: Free Choice of Courses and Hackathon-Based Teaching. *Human Arenas*, 1-9.
- Previdi, A., Piazzoni, C., Borghi, F., Schulte, C., Lorenzelli, L., Giacomozzi, F., ... & Milani, P. (2021). Micropatterning of Substrates for the Culture of Cell Networks by Stencil-Assisted Additive Nanofabrication. *Micromachines*, 12(1), 94.

- Spadini, S., Racchetti, G., Adiletta, A., Lamanna, J., Moro, A. S., Ferro, M., ... & Malgaroli, A. (2021). A novel integrated approach to estimate the mitochondrial content of neuronal cells and brain tissues. *Journal of Neuroscience Methods*, 363, 109351.
- Schulte, C., Lamanna, J., Moro, A. S., Piazzoni, C., Borghi, F., Chighizola, M., ... & Malgaroli, A. (2018). 'Neuronal Cells Confinement by Micropatterned Cluster-Assembled Dots with Mechanotransductive Nanotopography'. *ACS Biomaterials Science & Engineering*, 4(12), 4062-4075.

CONFERENCE PARTICIPATION:

- Moro, A.S, Bresadola, E. (2023). Hypnotic Psychotherapy and Learning: Neuroscience and Relationship. XVIII NATIONAL HYPNOTIC PSYCHOTHERAPY CONGRESS: Experience and Learning. University of Milan Bicocca: May 26-28, 2023.
- Moro, A.S, Saccenti, D., Vergallito, A., Ferro, M., Lamanna, J. (2022). The Role of Orbitofrontal Cortex in Delay Discounting: a Transcranial Direct Current Stimulation Experiment. Conference: XXX National Congress SIPF - Udine, September 15-17.

INFORMATICS SKILLS:

- Microsoft Office Suite
- SPSS
- Unix Operating Systems
- Matlab (specifically for image processing)
- Python (specifically for simulating nonlinear dynamic systems, such as neural networks)
- Arduino, Raspberry Pi, and programming of Microchip Technology microcontrollers (basic level)

LABORATORY SKILLS:

- Culturing of cell lines and primary cells (hippocampal neurons and rat astrocytes)
- Proficiency in various microscopy techniques, including confocal microscopy
- Application of Calcium Imaging and Patch clamp techniques for in vitro neuronal activity recording
- Use of iontophoresis, micropressure stimulation, and optogenetics for in vitro neuronal stimulation
- Application of immunohistochemistry techniques
- Completion of an animal experimentation course in 2018 at HSR
- Handling of animals (rats) and euthanasia with perfusion

- Anesthesia and stereotaxic surgeries for the installation of cannulas or transfection
- Use of vibratome

Autorizzo il trattamento dei miei dati personali presenti nel curriculum vitae ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 e del GDPR (Regolamento UE 2016/679)

Luca Sca