

OTTAVIA MADDALUNO

CURRENT POSITION

October 2020 - today **Postdoctoral Research Fellow**
Sapienza University of Rome, Rome, Italy.

PREVIOUS POSITIONS

October 2019 – September 2020 **Postdoctoral Research Fellow**
Sapienza University of Rome, Rome, Italy.

July – September 2019 **Scientific Advisor**
IRCCS Istituto Auxologico Italiano, Ospedale Capitanio, Milano, Italy.

March – September 2019 **Adjunct professor**
University of Milano-Bicocca, Milano, Italy.

March – May 2019 **Scientific Consultant**
E.M.S. S.R.L., Bologna, Italy.

September 2017 – July 2018 **Visiting Scholar at Kevin Ochsner's SCANLab at Columbia University**
Columbia University, New York, NY, United States .

September 2016 – September 2019 **Teacher Assistant**
University of Milano-Bicocca, Milano, Italy.

April – October 2015 **Intern**
Hospital "Casa di Cura San Pio X", Milano, Italy.

October 2014- April 2015 **Intern**
University of Milano-Bicocca, Milano, Italy.

EDUCATION

November 2020 – February 2021 **Master in Criminology, Psychology and Forensic Psychopathology** – Giunti Academy, School of Management

2015 – 2019 **PhD in Psychology, Linguistics and Cognitive Neuroscience** - University of Milano-Bicocca, Milano, Italy.

2012 - 2014 **Master's Degree in Clinical Psychology, Developmental Psychology and Neuropsychology** - University of Milano-Bicocca, Milano, Italy.

SUMMER SCHOOLS, ADVANCED TRAINING

December 2017 *fMRI Design&Analysis workshop*
New York Psychiatric Institute, New York, NY, United States.

September 2017 *Summer school: The Visceral Mind VIII*
Bangor University, Galles, United Kingdom.

GRANTS AND FUNDINGS

2020 - Bandi di Ateneo Sapienza “Caratterizzazione delle reti neurali a riposo tramite EEG ad alta densità e implementazione di un algoritmo innovativo per l'identificazione degli artefatti” –
Role: Principal Investigator

ORGANIZATION OF SCIENTIFIC MEETINGS

2022 Co-Organizer: II edition of the Symposium “Mente fatta a mano – come la mano influenza chi siamo”. Sapienza University of Rome, Rome, Italy.

2021 Organizer: Symposium “Frequency band specific markers of cognitive and sensorimotor processes”. Annual meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience, Palermo, Italy.

2021 Co-Organizer: Symposium “Mente fatta a mano – come la mano influenza chi siamo”. Sapienza University of Rome, Rome, Italy.

INVITED TALKS

“Task-induced re-organization of spontaneous connectivity in the alpha band predicts manual dexterity”, Padua University, Padua, May 2022.

“Paired associative stimulation protocols used to induce Hebbian plasticity in the human brain”, IV Symposium on non-invasive Neuromodulation, October 2021.

PUBLICATIONS

Maddaluno, O., Aiello, E. N., Roncoroni, C., Prunas, A., & Bolognini, N. (2022). The Reading the Mind in the Eyes Test, Iowa Gambling Task and Interpersonal Reactivity Index: Normative Data in an Italian Population Sample. *Archives of Clinical Neuropsychology*. <https://doi.org/10.1093/arclin/acab100>

Aiello, E. N., Gramegna, C., Esposito, A., Gazzaniga, V., Zago, S., Difonzo, T., **Maddaluno, O.**, Apollonio, I. & Bolognini, N. (2022). The Montreal Cognitive Assessment (MoCA): updated norms and psychometric insights into adaptive testing from healthy individuals in Northern Italy. *Aging clinical and experimental research*, 34(2), 375-382. [10.1007/s40520-021-01943-7](https://doi.org/10.1007/s40520-021-01943-7)

Maddaluno, O., Della Penna, S., Pizzuti, A., Spezialetti, M., Corbetta, M., Betti, V. (2021). Stability and Flexibility of the Intrinsic Network Connectivity Associated With Manual Dexterity. *International Journal Of Psychophysiology*. 168. S121-S122. <http://dx.doi.org/10.1016/j.ijpsycho.2021.07.355>

Maddaluno, O., Guidali, G., Zazio, A., Miniussi, C., & Bolognini, N. (2020). Touch anticipation mediates cross-modal Hebbian plasticity in the primary somatosensory cortex. *Cortex*. <https://doi.org/10.1016/j.cortex.2020.01.008>

Zazio A., Guidali G., **Maddaluno O.**, Miniussi C, Bolognini N. (2019). Hebbian associative plasticity in the visuo-tactile domain: a cross-modal paired associative stimulation protocol. *NeuroImage*.201.116025. <https://doi.org/10.1016/j.neuroimage.2019.116025>

Maddaluno, O., Facchin, A., Zavagno, D., Bolognini, N., Gianoli, E., Curreri, E.M., Daini, R. (2019). Evidence of top-down modulation of the Brentano illusion but not of the Glare effect by transcranial Direct Current Stimulation. *Experimental brain research*, 1-11. <https://doi.org/10.1007/s00221-019-05577-0>

Pisoni, A., Lauro, L. J. R., Vergallito, A., **Maddaluno, O.**, Bolognini, N. (2018). Cortical dynamics underpinning the self-other distinction of touch: A TMS-EEG study. *NeuroImage*, 178, 475-484. <https://doi.org/10.1016/j.neuroimage.2018.05.078>

CONFERENCES (POSTER&TALKS)

Maddaluno, O., Del Vicario, G., Bolognini, N., & Daini, R. (2015). Effetti comportamentali della tDCS sul fenomeno di pseudo-estinzione nella line-motion illusion. Conference proceedings: XXI National Congress AIP (Italian Association of Psychology) – experimental psychology section

Maddaluno, O., Facchin, A., Curreri, E., Gianoli, E., Bolognini, N., & Daini, R. (2016). Neuromodulazione della percezione di un'illusione di lunghezza. Conference proceedings: XXII National Congress AIP (Italian Association of Psychology) – experimental psychology section

Maddaluno, O., Facchin, A., Curreri, E., Gianoli, E., Bolognini, N., & Daini, R. (2016). Neuromodulation of the perception of an illusion of length. Conference proceedings: XXIV Annual meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience. Abstract published in *Neuropsychological Trends*.

Maddaluno, O., Facchin, A., Zavagno, D., Bolognini, N., & Daini, R. (2018). Top-down and bottom-up neuromodulation over two different visual illusions. Conference proceedings: 40th European Conference on Visual Perception (pp.107-107).

Maddaluno, O., Guidali, G., Zazio, A., Miniussi, C., & Bolognini, N. (2018). Tactile acuity as an index of plasticity induced by a novel cross-modal PAS protocol. Conference proceedings: XXVI Annual meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience.

Maddaluno, O., Viganò, B., Perin, C., Rossetti, A., Casati, C., Vallar, G., Bolognini, N. (2020). Behavioural and emotional features of brain-damaged patients with abnormal social space boundaries. Conference proceedings: European Workshop on Cognitive Neuropsychology.

Maddaluno, O., Guidali, G., Zazio, A., Miniussi, C., Bolognini, N. (2020). A tool to induce cross-modal Hebbian-like plasticity within the primary somatosensory cortex. Conference proceedings: Cognitive Science Arena 2020.

Maddaluno, O., Della Penna, S., Pizzuti, A., Spezialetti, M., Corbetta, M., Betti, V. (2021). Stability and flexibility of the intrinsic network connectivity associated with manual dexterity. Conference proceedings: 20th World Congress of Psychophysiology.

Maddaluno, O., Betti, V. (2021). Task-dependent changes of topology and functional connectivity in the human brain. Conference proceedings: Annual meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience.

Maddaluno, O., Guidotti, R., Vettoruzzo, A., Marzetti, L., Cisotto, G., Betti, V. (2022). Exploring MEG connectivity fingerprint in the resting brain. XXX Annual meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience.