

Curriculum vitae – ai fini della pubblicazione

EDUCATION

2020 PhD in Psychology and Social Neuroscience
Department of Psychology, Sapienza University of Rome, Italy. Supervisor: Prof. Matteo Candidi.

2015 Master's degree in Cognitive Neuroscience and Rehabilitation
Department of Psychology, Sapienza University of Rome, Italy

CURRENT POSITION

2022 – Postdoc Researcher (Assegnista)
Department of Psychology, Sapienza University of Rome, Italy

PREVIOUS POSITIONS

2020 – 2022 Postdoc Researcher
IRCCS Santa Lucia Foundation, Rome, Italy.

2016 – 2020 PhD Candidate
Department of Psychology, Sapienza University of Rome, Italy

6 to 11-2019 Visiting PhD student.
Brighton and Sussex Medical School, Brighton, UK

2 to 10-2016 Research Intern
Department of Psychology, University of Milano Bicocca, Italy

FELLOWSHIPS AND AWARDS

2025 SAPIExcellence BE-FOR-ERC grant (50.000 €) “Social synchrony in technology-mediated professional interactions (SoSTechPro)”

2023 Sapienza Research grant Avvio alla Ricerca (2.100 €),
“Central and peripheral markers of conflict and error monitoring. Non-invasive brain and vagus nerve stimulation studies.”

2022 Sapienza Research grant Avvio alla Ricerca (2.000 €),
“Bio-behavioural synchrony during motor interactions: does physiological attunement improve dyadic performance?”

2016– 2019 3-years PhD Scholarship,
Department of Psychology, Sapienza University of Rome, Italy

2 to 10 - 2016 8-months Fellowship for a research internship in Milano
Awarded by Regione Lazio (Italy)

ADDITIONAL COURSES

- 2023 **‘Synchrony Conference Workshop 2023’** (Colchester, UK)
Theoretical and practical workshop on fNIRS hyperscanning
- 2022 **‘Electrograstrogram: Theoretical and Practical Implications’** (Roma, IT)
Hands-on workshop on measuring and analyzing EGG data from humans.
- 2019 **‘PredPsych’** (Genova, IT)
Workshop on R-based toolbox for machine learning in experimental psychology.
- 2018 **‘Immersive Virtual Reality’** (Roma, IT)
Workshop on programming and designing immersive virtual reality scenarios.
(software: XVR, 3DStudio Max, Unity).

SUPERVISION OF UNDERGRADUATE STUDENTS

- 2016 – 2015 I have supervised 8 Master’s students, 7 interns and 2 PhD students at the Department of Psychology, Sapienza University of Rome.

TEACHING ACTIVITIES

- 2022 – 2025 Cultore della materia – Organisational Neuroscience, Sapienza University of Rome, Italy. Lectures (8 hours) + exams panel.
- 2021 – 2022 Cultore della materia – Experimental Methods in Social Neuroscience, Sapienza University of Rome, Italy. Lectures (4 hours) + exams panel.
- 2021 – 2025 Hands-on lecture (2 hours) on non-invasive brain stimulation techniques (tDCS and tACS) for the Cognitive Neuroscience course, Sapienza University of Rome.

ORGANISATION OF SCIENTIFIC MEETINGS

- 2021 Organizer of the international conference “Neuroscience Goes Social 4.0”
at Sapienza University of Rome

MAJOR COLLABORATIONS

- Mark van Vugt (Vrije Universiteit, Amsterdam). Topics: Neuroscience of leadership, Mimicry toward dominant and competent leaders, Organizational neuroscience.
- Donato Ferri and Francesco Bianchi (Ernst & Young (EY) Rome). Topic: Emotional and physiological contagion in organizational settings.
- Tiago Bortolini and Ronald Fisher (D'Or Institute for Research and Education (IDOR), Rio de Janeiro, Brazil). Topic: large-scale review concerning the different methods used in the literature for quantifying physiological synchrony in dyads.
- Lucia Maria Sacheli (University of Milano Bicocca, Italy). Topic: systematic review of the existing instruments for the assessment of social cognition abilities in psychiatric and neurological patients.

REVIEWING ACTIVITIES

I served as ad-hoc reviewer for the following journals: SAGE Open, Social Neuroscience, Frontiers in Psychology, Frontiers in Human Neuroscience, Psychological Research, Scientific Reports, Cortex, NPJ Science of Learning, Nursing Open, Behaviour & Information Technology.

RECENT SCIENTIFIC DISSEMINATION ACTIVITIES

2-2025 Invited Talk: “*Measuring emotional contagion in organizational contexts: An interpersonal neuroscience approach*” Amsterdam Leadership Lab – Vrije Universiteit – Amsterdam (NL)

9-2024 Talk “*Emotional expression and contagion in leaders: an interpersonal neuroscience approach*” – XX Congresso Nazionale della Sezione di Psicologia per le Organizzazioni (AIP) - Bergamo

5-2024 Poster “*The contagious leader: behavioural and physiological correlates of emotional contagion in organizational settings*” – Meeting of the European Society for Cognitive and Affective Neuroscience (ESCAN) – Gent (BG)

8-2023 Invited Talk: “*The emergence of physiological synchrony during joint action: the role of task novelty and social anxiety*”. Lab meeting of the PPSP team (Guillaume Dumas lab) in Montreal (online).

7-2023 Talk: “*The emergence of physiological synchrony during joint action and its association with task-related motor parameters and dyadic personality traits*”. Conference: 9th Joint Action Meeting (Central European University, Budapest).

3-2023 Talk: “*Investigating the emergence of physiological synchrony during joint action: the role of task-related motor parameters and individual dispositions.*” Conference: Women in Social Neuroscience (online event: [youtube link](#)).

7-2022 Talk: “*Physiological synchrony and its relationship with dyadic performance in a joint grasping task*”. Conference: Attuned2022 – The 1st conference on attunement (Interlaken, Switzerland).

6-2022 Invited talk: “*Transcranial Alternating Current Stimulation as a tool to facilitate human-avatar motor coordination*”. International workshop “Is Neurodoping different?”. Faculty of Philosophy, University of Roma 3, Roma

PUBLICATIONS

- Fusaro, M., Lisi, M. P., Era, V., Porciello, G., Candidi, M., Aglioti, S. M., & Boukarras, S. (2025). The Transformative Power of Virtual Reality: Redefining Interactions in Virtual Platforms, Education, Healthcare, and Workplaces. *Topoi*, 1-16.
- Boukarras, S., Placidi, V., Rossano, F., Era, V., Aglioti, S. M., & Candidi, M. (2025). Interpersonal physiological synchrony during dyadic joint action is increased by task novelty and reduced by social anxiety. *Psychophysiology*, 62(3), e70031.
- Boukarras, S., Ferri, D., Borgogni, L., & Aglioti, S. M. (2024). Neurophysiological markers of asymmetric emotional contagion: implications for organizational contexts. *Frontiers in Integrative Neuroscience*, 18, 1321130.
- Boukarras, S., Ferri, D., Frisanco, A., Farnese, M. L., Consiglio, C., Alvino, I., ... & Aglioti, S. M. (2022). Bringing social interaction at the core of organizational neuroscience. *Frontiers in Psychology*, 13.
- Boukarras, S., Garfinkel, S. N., & Critchley, H. D. (2022). Cardiac deceleration following positive and negative feedback is influenced by competence-based social status. *Social Neuroscience*, 17(2), 170-180.

- Boukarras, S., Özkan, D. G., Era, V., Moreau, Q., Tieri, G., & Candidi, M. (2022). Midfrontal theta transcranial alternating current stimulation facilitates motor coordination in dyadic human–avatar interactions. *Journal of Cognitive Neuroscience*, 34(5), 897-915.
- Boukarras, S., Era, V., Aglioti, S. M., & Candidi, M. (2021). Competence-based social status and implicit preference modulate the ability to coordinate during a joint grasping task. *Scientific reports*, 11(1), 1-10.
- Boukarras, S., Era, V., Aglioti, S. M., & Candidi, M. (2020). Modulation of preference for abstract stimuli following competence-based social status primes. *Experimental Brain Research*, 238, 193-204.
- Minio-Paluello, I., Porciello, G., Gandolfo, M., Boukarras, S., & Aglioti, S. M. (2020). The enface illusion boosts facial mimicry. *Cortex*, 123, 113-123.
- Era, V., Boukarras, S., & Candidi, M. (2019). Neural correlates of action monitoring and mutual adaptation during interpersonal motor coordination: Comment on “The body talks: Sensorimotor communication and its brain and kinematic signatures” by G. Pezzulo et al. *Physics of life reviews*, 28, 43-45.

PUBLICATIONS IN PREPARATION/PREPRINTS

- Boukarras, S., Placidi, V., Schepisi, M., Era, V., Panasiti, M.S. & Candidi, M. (*under review*). ‘People are less likely to selfishly deceive those who achieved status through virtue rather than dominance or competence’
- Placidi, V., Cuomo, G., Boukarras, S., Era, V., & Aglioti, S. (2025). ‘Interpersonal coordination with a virtual outgroup increases motor preparation demands but it is not modulated by mPFC inhibition’. OSF preprints
- Boukarras, S., Frisanco, A., Duman, D., Ferri, D., Bianchi, F., Consiglio, C., Borgogni, L., Aglioti, SM (in preparation) ‘Emotional contagion in organizational settings: behavioural and psychophysiological evidence’.
- Minio-Paluello, I., Porciello, G., Gandolfo, M., Boukarras, S., & Aglioti, S. M. (In prep). Interpersonal visuo-tactile stimulation changes facial sensory-motor resonance.

Rome, 23/07/2025