Curriculum vitae

PERSONAL INFORMATION

Name: Sarah Boukarras
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Google Scholar page: link
OSF profile: https://osf.io/profile/

· 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

2023	Sapienza Research grant Avvio alla Ricerca (2100 €), "Central and peripheral markers of conflict and error monitoring. Non-invasive brain and vagus nerve stimulation studies."
2022	Sapienza Research grant Avvio alla Ricerca (2000 €), "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

2019 PredPsych (Genova, IT)
Workshop on R based toolbox for machine learning in experimental psychology.

2018 Immersive Virtual Reality (Roma, IT)
Programming and designing immersive virtual reality scenarios.
(software: XVR, 3DStudio Max, Unity).

· SUPERVISION OF UNDERGRADUATE STUDENTS

2016 – I have supervised 8 Master students and 7 interns at the Department of Psychology, Sapienza University of Rome.

· TEACHING ACTIVITIES

2022 – 2024 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.

2018 – 2024 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

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2021 Organizer of the international conference "Neuroscience Goes Social 4.0" at Sapienza University of Rome

· MAJOR COLLABORATIONS

-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

· RECENT SCIENTIFIC DISSEMINATION ACTIVITIES

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).

5-2023 Poster: "*On the emergence of physiological synchrony during joint action: the role of task-related motor parameters and individual dispositions*".
Conference: Interpersonal Synchrony and Its Relevance for Attachment & Caregiving (University of Essex, Colchester, UK).

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

10-2021 Talk: "*Hierarchical interactions: behavioural and physiological effects of experienced and perceived social status*". XXIX Congresso Nazionale della Società Italiana di Psicofisiologia e Neuroscienze Cognitive (SIPF),(Palermo, Italy).

10-2020 Invited talk: "*La realtà virtuale nello studio delle interazioni motorie*", Virtual Reality Experience Festival, Roma.

· PUBLICATIONS

- Boukarras, S., Placidi, V., Rossano, F., Era, V., Aglioti, S. M., & Candidi, M. (2024, January 22). Interpersonal physiological synchrony during dyadic joint actions is increased by task novelty and reduced by social anxiety. https://doi.org/10.31219/osf.io/mr8j9
- 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 enfacement 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

- 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.
- Boukarras, S., Placidi, V., Schepisi, M., Era, V., Panasiti, M.S. & Candidi, M. (in preparation). You don't deserve my honesty! The way individuals obtain their social status influences moral behaviour towards them.
- Placidi, V., Cuomo, G., Cucuzza, G., Boukarras, S., Era, V., Tieri, G., Marangolo, P. & Candidi, M (in preparation). Facilitating the recovery of high-level motor functions in apraxia patients through VR and tDCS.

Rome, 23/02/2024