Angelica Scuderi

E-mail: angelica.scuderi@uniroma1.it

Psychologist
PhD Student in Psychology and Cognitive Science
Department of Psychology
Sapienza, University of Rome
Rome, Italy

EDUCATION AND TRAINING

SAPIENZA, UNIVERSITY OF ROME — November 2021- Present

Doctor of Philosophy (PhD), Psychology and Cognitive Science

Tutor: Professor Mariella Pazzaglia

Main research topic: action and body perception in patients with central nervous system lesions

Main topics of Seminars, Lectures and Classes attended: epistemology and philosophy of science, methodology and statistics in experimental psychology, programming for data analysis, graphical representation, and experiment management

DEPARTMENT OF PSYCHOLOGY – SAPIENZA, UNIVERSITY OF ROME — September 2021 –2022

Internship in psychology: Theoretical and practical training in clinical psychology, cognitive and behavioural neuroscience under the supervision of Professor Mariella Pazzaglia

Main topics: Cognitive and executive functioning in clinical and healthy populations, body representation in individuals with CNS lesions

Research techniques: NIBS, brain imaging and autonomic measurements

FONDAZIONE SANTA LUCIA IRCCS, ROME — June 2021

Advanced Professional Course, Highly Specialized Neurorehabilitation: the course trains professionals to manage all aspects of neurorehabilitation with specific expertise and an innovative interdisciplinary approach

Main topics: Neuropsychology, Biological bases of neurorehabilitation, Neurorehabilitation Diagnosis, prognosis, and treatment programmes of cerebrovascular diseases and severe post-traumatic acquired brain injury; normal ageing, dementia, and neurodegenerative diseases; movement disorders and demyelinating diseases; spinal cord injury

Final manuscript: The employment of transcranial magnetic stimulation in ataxic patients

SAPIENZA, UNIVERSITY OF ROME — July 2021

Master's Degree, Cognitive Neuroscience and Psychological Rehabilitation

Two-year master's degree (EU classification) focusing on neural systems and basic neurobiological mechanisms underlying emotions, language, attention, memory, etc. The programme offers a broad theoretical perspective of the different rehabilitation methods available for various disorders and guidance on how to communicate with patients, clients, and other professionals

Thesis: Interoception for the stability of the bodily self after Spinal cord injury

Final grade: 110/110 with honours

SAPIENZA, UNIVERSITY OF ROME — July 2018

Bachelor's Degree, Psychology and Social Processes

Three-year bachelor's degree (EU classification) providing basic knowledge in all fields of psychology

Thesis: Plasticity and stability of cortical body maps following upper limb amputation and Phantom Limb Syndrome

Final grade: 107/110

AWARDS

Master's Degree Award — March 2022

The thesis titled “Interoception for the stability of the bodily self after Spinal cord injury” has been awarded as “Thesis on disability discussed in the academic year 2020/2021” by Sapienza, University of Rome

GRANTS AND SCHOLARSHIPS

Travel grant September 2023
to participate in the “XXIX Congresso AIP - Sezione Sperimentale” held in Lucca from 18 to 20 September - funded by the Italian Association of Psychology (AIP)

Starting grant November 2022
for the research project “Rebuilding the body from the inside: interoception and the bodily self after Spinal cord injury” - funded by Sapienza, University of Rome

Scholarship November 2021
for the three-year PhD programme in Psychology and Cognitive Science – fully-funded by Sapienza, University of Rome

RESEARCH EXPERIENCE

FONDAZIONE SANTA LUCIA IRCCS, ROME July 2022 – November 2022
Research Collaboration Grant:
Recording, acquisition, and analysis of behavioural data in SCI patients while using the exoskeleton as part of the research project: 'STAND-ALONE: "Stand and walk" Optimising the Embodiment and agency of the exoskeleton (EXO) in spinal cord injury patients (SCIp)' (cod. RF-2018 12365682) funded by the Italian Ministry of Health

SAPIENZA, UNIVERSITY OF ROME July 2021 – Present
Research Assistant for PhD and Senior researchers:
Behavioural and physiological data collection regarding executive functions in clinical and healthy populations; employment of non-invasive stimulation techniques (mainly taVNS and tDCS) to modulate brain activity.

PUBLICATIONS

Forte, G.; Giuffrida, V.; **Scuderi, A.**; Pazzaglia, M. Future Treatment of Neuropathic Pain in Spinal Cord Injury: The Challenges of Nanomedicine, Supplements or Opportunities? *Biomedicines* 2022, *10*, 1373. https://doi.org/10.3390/biomedicines10061373

CONGRESS PROCEEDINGS

Scuderi, A.; De Martino, M.L.; Leemhuis, E.; Giannini, A.M.; Pazzaglia, M. “Ridefinire il corpo supportato da ausili per la mobilità: l'uso di esoscheletri e carrozzine nelle rotazioni mentali dei pazienti con lesione midollare.” “XXIX Congresso AIP - Sezione Sperimentale” – 18-20 September 2023, Lucca, Italy

Scuderi, A.; De Martino, M.L.; Leemhuis, E.; Giannini, A.M.; Pazzaglia, M. “Embodiment of assistive tools in spinal cord injury: evidence from mental rotation tasks of wheelchairs and exoskeletons.” “ECNR 2023” – 30 August-2 September 2023, Lyon, France

Scuderi, A.; De Martino, M.L.; Leemhuis, E.; Pazzaglia, M. “Rebuilding the body from the inside: interoception and the bodily self following spinal cord injuries.” *“Neuroscience 2022”* – 12-16 November 2022, San Diego, California

Favieri, F.; **Scuderi, A.**; Pazzaglia, M. "Neural hacking for healthy eating: investigating the potential of transauricular vagus nerve stimulation in the food-pictures stroop task." "XXIX Congresso AIP - Sezione Sperimentale" – 18-20 September 2023, Lucca, Italy

De Martino, M.L.; **Scuderi, A.**; Leemhuis, E.; Giannini, A.M.; Pazzaglia, M. "Lost in time: il legame tra interocezione e percezione del tempo in pazienti con lesione al midollo spinale." "XXIX Congresso AIP - Sezione Sperimentale" – 18-20 September 2023, Lucca, Italy

De Martino, M.L.; Tranquilli, S.; Leemhuis, E.; **Scuderi, A.**; Giannini, A.M.; Pazzaglia, M. "Beyond the wheelchair: how exoskeleton training redefines mobility and somatic sensation for incomplete spinal cord injury patients." "ECNR 2023" – 30 August-2 September 2023, Lyon, France

De Martino, M.L.; Leemhuis, E.; **Scuderi, A.**; Pazzaglia, M. "An interoceptive perspective of time perception in spinal cord injury." *"Neuroscience 2022"* – 12-16 November 2022, San Diego, California

TEACHING EXPERIENCE

SAPIENZA, UNIVERSITY OF ROME

Teaching Assistant for Professor M. Pazzaglia in her courses:

September 2021 – Present

Neuroscience in Educational Contexts (code 10599961)
Cognitive Neuroscience (code 1036137)
Advanced Psychophysiology (code 1045025)

SKILLS AND EXPERTISE

JOB-RELATED: Cognitive Neuroscience, Clinical Neuroscience, Cognitive Neuropsychology, Neuroimaging Neuroplasticity, Data Analysis

DIGITAL SKILLS: ECDL (European Computer Driver License), MATLAB Onramp Certificate, STATISTICAL ANALYSIS SOFTWARES

LANGUAGES: ITALIAN – Mother tongue, ENGLISH – B2

In compliance with the GDPR, the Italian Legislative Decree no. 196 dated 30/06/2003,
and Article 15, paragraph 1, Legislative Decree no. 33 dated 14/03/2013
I authorise the processing of my personal data in this document for the purpose of publication.

Angelica Scuderi

The information provided was last updated in October 2023