PERSONAL INFORMATION

Gabriele Perachiotti

WORK EXPERIENCE

March 2024 – Present

Neurological Physiotherapist
Azienda Ospedaliero-Universitaria di Ferrara, Italy.
Neurodegenerative Rehabilitation Diseases Unit

Clinical activity is mainly dedicated to the assessment and treatment of people with multiple sclerosis, including motor impairments, balance and gait dysfunctions, and functional limitations. Involved in individualized rehabilitation programs aimed at improving mobility, autonomy, and quality of life.

EDUCATION AND TRAINING

November 2023 – Present

PhD in Translational Neurosciences and Neurotechnologies
University of Ferrara, Italy

November 2024 – February 2025

Visiting PhD Student (Research)
Hasselt University, Belgium
Research activity focused on neurorehabilitation in people with multiple sclerosis. Involved in the design and implementation of rehabilitation research protocols, with particular attention to motor function, balance, and innovative rehabilitation approaches.

2021 – 2023

MSc in Rehabilitation Sciences – 110/110 cum laude and Honours

Università Vita-Salute San Raffaele, Milan, Italy

2018 – 2021

BSc in Physiotherapy – 110/110 cum laude
University of Bologna, Italy

RESEARCH ACTIVITIES

Author and co-author of 6 peer-reviewed publications (5 indexed in PubMed).
Responsible at AOU Ferrara for two neuroscientific study protocols approved by the Ethics Committee.
Assistant supervisor of 16 students in physiotherapy and rehabilitation sciences.

- Member of the Order of Physiotherapists of the Province of Bologna n.1585
- Member of Italian Society of Physiotherapy
- (AIFI) Member of Special Interest Group of Neurologic Physiotherapy and Neurosciences

Conferences and Presentations

- Participation in the *National Congress in Neurological Physiotherapy and Neurosciences* (Special Interest Group of Neurologic Physiotherapy and Neurosciences), 29–30 April 2022, Rome, Italy (participant).
- Participation in the *"Fatigue in Neurologic Diseases" National Congress in Neurological Physiotherapy and Neurosciences* (Special Interest Group of Neurologic Physiotherapy and Neurosciences), 26–27 May 2023, Milan, Italy (participant).
- Participation in the *Progress in Motor Control XIV Meeting*, 28–30 September 2023, Rome, Italy (participant).
- Participation in the *"Tailored Physiotherapy: A Strategy for the Future" Italian Association of Physiotherapy Congress*, 10–11 November 2023, Bologna, Italy (participant).
- Participation in the *Annual Scientific Congress 2024* of the Italian MS Society and its Foundation (Fondazione Italiana Sclerosi Multipla), 28–30 May 2024, Rome, Italy (participant).
- Participation in the *"Empowerment and Inclusivity" Rehabilitation in Multiple Sclerosis Congress*, 27–29 June 2024, Hasselt, Belgium (oral presentation and first-author poster presentation).
- Participation in the *"Neurorehabilitation: From Neurophysiology to Therapeutic Exercise" National Congress in Neurological Physiotherapy and Neurosciences* (Special Interest Group of Neurologic Physiotherapy and Neurosciences), 14–15 June 2024, Naples, Italy (first-author poster presentation).
- Participation in the Special Interest Group (SIG) Mobility in-between meeting entitled *"Bridging Technology and Clinical Practice: A Collaborative Path to Personalized MS Rehabilitation"*, 23–24 May 2025, Cagliari, Italy (oral presentation).
- Participation in the *Annual Scientific Congress 2025* of the Italian MS Society and its Foundation (Fondazione Italiana Sclerosi Multipla), 27–29 May 2025, Rome, Italy (participant).
- Participation at the *30th Conference of Rehabilitation in Multiple Sclerosis*, 24–26 September 2025, Barcelona, Spain. (oral presentation)
- Participation at the *10th AIFI International Conference*, 13–14 June 2025, Genoa, Italy. (oral presentation)

Publications

ORCID ID: https://orcid.org/0000-0002-2061-9922

1. Fregna G, Perachiotti G, Baroni A, Lamberti N, Manfredini F, Casile A, Straudi S. Fatigue influences embodiment perception and motor performance in multiple sclerosis subjects: a cross-sectional immersive virtual reality study. J Neuroeng Rehabil. 2025 Nov 25;22(1):251
2. Baroni A, Lamberti N, Perachiotti G, Crepaldi A, Piva G, Manfredini F, Straudi S. Low intensity interval robot-assisted gait training improves mobility in people with progressive multiple sclerosis: the PROGR-EX randomized controlled trial. Mult Scler Relat Disord. 2025 Dec;104:106777..
3. Gandolfi M, Crestani M, Perachiotti G, Salaorni F, Baroni A, Gajofatto A, Orlandi R, Rimondini M, Donisi V, Landi S, Morone G, Fiorio M, Lozzi I, Valè N, Siviero I, Storti SF, Smania N, Straudi S. The effectiveness of combining a home-based Digital motor Telerehabilitation program with conventional therapy in progressive multiple sclerosis: A study protocol for a multicenter, randomized controlled trial. Digit Health. 2025 Jul 23;11:20552076251323995.
4. Perachiotti G, Moccaldi N, D'Errico G, *et al.* The development of a closed-loop, patient-centered, extended reality system to enhance balance in people with multiple sclerosis: a research protocol. In: *Proceedings of the 2025 IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering (MetroXRAINE)*; 2025 Oct;
5. Baroni A, Perachiotti G, Carpineto A, Fregna G, Antonioni A, Flacco ME, Straudi S. Clinical Utility of Remote Teleassessment of Motor Performance in Individuals With Neurologic Disabilities: A COSMIN Systematic Review. Arch Phys Med Rehabil. 2025 Dec;106(12):1899-1911.
6. Perachiotti G, Busch IM, Vallefuoco E, D'Errico G, Moccaldi N, Straudi S, Arpaia P. Development of a Mixed-Reality Application for Volitional Step Training in People With Multiple Sclerosis: Cross-Sectional Qualitative User-Centered Co-Design Study. JMIR Serious Games. 2026 Sep 14;14:e94312. doi: 10.2196/94312. PMID: 42735903; PMCID: PMC13620433.

TECHNICAL SKILLS

Statistical Analysis (R)

- Data analysis and statistical modeling using R
- Descriptive and inferential statistics (parametric and non-parametric tests)
- Data visualization and reporting (e.g., ggplot2)
- Experience in handling clinical and experimental

datasets

- Advanced use of Microsoft Excel for data management and analysis
- Proficient in Microsoft Word for scientific and technical writing
- Effective use of PowerPoint for academic presentations and dissemination

LANGUAGE SKILLS

Italian

- Native speaker

English

- Upper-intermediate proficiency (B2–C1)
- Experienced in scientific writing, academic presentations, and international conferences

VOLUNTEERING EXPERIENCE

2020-Present

Volunteer – Disability Support
House of Charity, Bologna

Assisted in basic care and mobility support
Facilitated participation in structured activities

Il/La sottoscritto/a autorizza il trattamento dei propri dati personali ai sensi del GDPR 679/16 "Regolamento europeo sulla protezione dei dati personali".
Il/La sottoscritto/a acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università degli Studi di Ferrara.