

Marta Francisca Corrà

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A multilingual researcher & physical therapist specializing in neurodegenerative diseases & neurorehabilitation.

PhD in Biomedical Science and Neuroscience from the EU Marie Skłodowska-Curie actions. Examines the potential of cutting-edge technologies in diagnosing & treating patients suffering from neurological disorders.

SKILLS

Languages: Italian (Native) | English (Fluent) | Portuguese (Fluent) | Spanish (Beginner).

Interpersonal: Leadership | Public Speaking | Cross-Cultural Communication | Coaching & Mentorship | Conflict Resolution | Remote Team Collaboration | Client Service | Adaptability | Curiosity.

Expertise: Scientific Research | Clinical Studies | Subject Interviews | Survey Methodologies | Data-Driven Storytelling |

Manuscript Writing | Academic Publishing | Physical Therapy | Patient Care.

Tools: Wearable Health Technology | Digital health technology | Confocal Microscopes.

EXPERIENCE

BTS Bioengineering S.p.A.

Product specialist

April 2022 – ongoing, Milan (Italy)

Converts complex information into accessible terms that bridge divides between technical & clinical stakeholders. Harmonization of the vision of engineers & clinical researchers within a tech company dedicated to innovating devices that serve life sciences customers to digital transformation.

University of Porto, Marie Skłodowska-Curie Actions

Research PhD Candidate

December 2017 - 2021, Porto (Portugal)

Worked in EU-funded industrial academic training network towards specific diagnosis and treatment of age-related gait and balance deficits across Europe with digital health technologies.

Oversaw the entire lifecycle of scientific projects that examined the potential use of advanced technologies in diagnosing & treating neurological patients. Expanded research and development on new technologies and digital health, bridging engineers and clinicians. Organization of scientific fairs, summer schools and participation to international congresses (<https://linktr.ee/marta.corra>). Mentored graduates & undergraduates to thrive academically and coached them in research best practices. Published scientific papers in esteemed impact-factor journals (<https://linktr.ee/martafrancisca.corra>).

Fundação para a Ciência e a Tecnologia (FCT)

Research fellow

2021, Porto (Portugal)

Participated in seminars to become an expert in Parkinson's disease and gain technical knowledge to allow collaboration with engineers and the international community.

Gait-Up SA

Research trainee

2020, Lausanne (Switzerland)

Worked on-location within the headquarters of a medical device company producing technology used to monitor Parkinson's patients. Gained knowledge of the inner workings of a medical tech company to enrich PhD research with pragmatic insights.

University of Leuven/University of Kiel

Research Trainee

2018 & 2019. Leuven (Belgium)/ Kiel (Germany)

Contributed to environments of knowledge-sharing amongst researchers confronting neurological diseases.

Don Gnocchi Foundation Onlus

Research fellow and physical therapist

2017, Milan (Italy)

Worked with robotics. Focus on Multiple Sclerosis and state fatigue. Studied neurodegenerative diseases in correlation with cognitive impairments, walking and balance. Implementation of a virtual platform for upper limb neurological impairments.

Center of Rehabilitation ICEA

Physical therapist

2014-2017. Milan (Italy)

Delivered attentive care to patients receiving orthopedic, neurological, and postural rehabilitation treatments.

EDUCATION

University of Porto

PhD in Biomedical Science & Neuroscience

2021. Porto (Portugal)

GPA: PhD cum laude

Thesis title "Functional impact on gait and balance in Parkinson's disease using advanced technologies",

Publication of 6 scientific papers in impact-factor journals.

University of Milan

Master of Science in Applied Cognitive Neuroscience

2016. Milan (Italy)

GPA: 110/110 | Accolades: Cum Laude

Thesis title "Characterization of rodent model of Alzheimer's disease: from biochemical to behavioral phenotype of novel drug efficacy"

University of Milan

Bachelor of Science in Physical Therapy

2013. Milan (Italy)

GPA: 110/110 | Accolades: Cum Laude

Thesis title: "Effetto dell'obesità sulla variabilità del cammino su treadmill"

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MILANA, 18/05/2023


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