
Personal Informations

First name Marida
Surname De Maria

Work experience

- 05/2024 – to date **Research Grant**
"Magna Graecia" University, Catanzaro(Italy)
PRIN2022 Mapping Mitochondrial Function and Oxygen Metabolism in the Human Brain with Magnetic Resonance Imaging
- 09/2023 – 02/2024 **Visiting Ph.D. Student**
Umeå University, SE
Application of AI techniques for the detection of Pulmonary Emphysema
- 2/2019 – 6/2019 **Internship**
Regione Calabria, Catanzaro(Italy)
Department of Infrastructures, Public Works, Mobility
- 11/2017 – 7/2018 **Internship**
Ithea Calabria s.r.l. (Italy)
Designing of Research Projects

Education

- 1/2021 – 12/07/2024 **Ph.D. in Biomarkers of Chronic and Complex Diseases**
"Magna Graecia" University, Catanzaro(Italy)
- 13/12/2022 **Registered Engineer**
Università della Calabria, Cosenza(Italy)
Information Engineering Section A, Order of Engineers of Cosenza
- 10/2018 – 10/28/2020 **Master's Degree in Biomedical Engineering**
"Magna Graecia" University, Catanzaro(Italy)
grade: 110/110 cum laude
- 9/2013 – 3/28/2018 **Bachelor's Degree in Computer and Biomedical Engineering**
"Magna Graecia" University, Catanzaro(Italy)
grade:105/110
- 9/2009 – 7/7/2013 **High school Diploma in Foreign Languages**
Liceo Statale "Lucrezia della Valle", Cosenza(Italy)
grade:100/100

Conferences

- 2023 **Development and validation of a new wearable device for the differential diagnosis of resting tremor**
De Maria M., Aracri F., Calomino C., Crasà M., Buonocore J., Vescio B., Quattrone A.
Supplement: Abstracts of the 2023 International Congress of Parkinson's Disease and Movement Disorders

Publications

- 2024 **Neuroimaging correlates of postural instability in Parkinson's disease**
Quattrone A., Calomino C., Sarica A., Caligiuri M.E., Bianco M.G., Vescio B., Arcuri P.P., Buonocore J., De Maria M., Vaccaro M.G., Quattrone A.
Journal of Neurology
- 2024 **Multimodal imaging and electrophysiological study in the differential diagnosis of rest tremor**
Aracri F., Quattrone A., Bianco M.G., Sarica A., De Maria M., Calomino C., Crasà M., Nisticò R., Buonocore J., Vescio B., Vaccaro M.G., Quattrone A.
Frontiers in Neurology
- 2023 **Differentiating between common PSP phenotypes using structural MRI: a machine learning study**
Quattrone A., Sarica A., Buonocore J., Morelli M., Bianco M.G., Calomino C., Aracri F., De Maria M., Vescio B., Vaccaro M.G., Quattrone A.
Journal of Neurology
- 2023 **Development of a New Wearable Device for the Characterization of Hand Tremor**
Vescio B., De Maria M., Crasà M., Nisticò R., Calomino C., Aracri F., Quattrone A., Quattrone A.
Bioengineering
- 2023 **Neuroimaging correlates of postural instability in Progressive Supranuclear Palsy**
Calomino C., Quattrone A., Sarica A., Bianco M.G., Aracri F., De Maria M., Buonocore J., Vaccaro M.G., Vescio B., Quattrone A.
Parkinsonism and Related Disorders
- 2023 **Neuroimaging correlates of postural instability in Parkinson's disease**
C. Calomino, M.G. Bianco, J. Buonocore, F. Aracri, M. De Maria, A. Sarica, A. Quattrone
Journal of Neurology
- 2022 **Cerebellar voxel-based morphometry in essential tremor**
Sarica A., Quattrone A., Crasà M., Nisticò R., Vaccaro M.G., Bianco M.G., Gramigna V., De Maria M., Vescio B., Rocca F., Quattrone A.
Journal of Neurology
- 2022 **Magnetic Resonance Planimetry in the Differential Diagnosis between Parkinson's Disease and Progressive Supranuclear Palsy**
Quattrone A., Morelli M., Bianco M.G., Buonocore J., Sarica A., Caligiuri M.E., Aracri F., Calomino C., De Maria M., Vaccaro M.G., Gramigna V., Augimeri A., Vescio B., Quattrone A.
Brain Sciences
- 2022 **Evaluation of rest tremor in different positions in Parkinson's disease and essential tremor plus**
Nisticò R., Quattrone A., Crasà M., De Maria M., Vescio B., Quattrone A.
Neurological Sciences

2020 **Social health recommender system: application for healthcare and pandemic information diffusion**

De Maria M., Vizza P., Lambardi P., Tradigo G.

ACM SIGBioinformatics Record

Languages

Native Language Italian

Other Languages Integrated Skills in English ISE II
Diploma de Español DELE Nivel B1 (99.64/100)
Diplôme d'Etudes en Langue Française DELF B1 (70/100)

Hard Skills

Programming Python, R, Java, \LaTeX

Tools Data Science, ML, AI, Neural Networks

Research Topic Neuroimaging, Movement Disorders, Digital Health

Certificates CST Studio Suite Course

Soft Skills

Clear, concise, and confident communication skills

Experience living or working in multicultural contexts

Ability to solve problems and make decisions effectively

Ability to work collaboratively and constructively within a team