PERSONAL INFORMATION   **Riccardo Pascuzzo**

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta
UO Neuroradiologia
Via Celoria 11, 20133 Milano

✉ riccardo.pascuzzo@istituto-besta.it

Gender: M | *Nationality:* Italian

ORCID: **0000-0001-6555-1784**

WORK EXPERIENCE

(Mar 2020 - present) | **Italian NHS Researcher**

UO Neuroradiologia, Fondazione IRCCS Istituto Neurologico Carlo Besta – Via Celoria 11, Milano

▪ Activity: development and application of machine learning tools for multi-modal data integration and for pattern recognition in neurological diseases in adulthood and childhood

(Jan 2021 – Feb 2022) | **Research scholarship**

UO Neuroradiologia, Fondazione IRCCS Istituto Neurologico Carlo Besta – Via Celoria 11, Milano

▪ Activity: acquisition and processing of images of advanced MRI techniques to monitor the treatment response in patients with glioblastoma; development of diagnostic model for pseudoprogression

(Nov 2017 – Dec 2020) | **Research fellowship**

UO Neuroradiologia, Fondazione IRCCS Istituto Neurologico Carlo Besta – Via Celoria 11, Milano

▪ Activity: processing and analysis of diffusion MRI data in patients with prion disease; development of disease models; skill acquisition in collaboration with other centers of the EuroPOND consortium

(Jan 2019 – Dec 2020) | **Statistical Consultant**

IRCCS Eugenio Medea, Associazione "La Nostra Famiglia" – Via don Luigi Monza 20, Bosisio Parini (LC)

▪ Activity: statistical support to researchers (grant writing, experimental design, data analysis, interpretation and dissemination of results)

EDUCATION AND TRAINING

(Nov 2014 – Feb 2018) | **European PhD in Mathematical Models and Methods in Engineering (Life science macro area)**

Dipartimento di Matematica, Politecnico di Milano – Piazza Leonardo da Vinci 32, Milano

▪ Skills: research in biostatistics; development of mathematical and statistical models and methods to identify diagnostic and prognostic biomarkers in neurodegenerative diseases

(Oct 2011 – Mar 2014) | **Master's degree in Mathematics**

Dipartimento di Matematica, Università di Bologna – Piazza di Porta S. Donato 5, Bologna

▪ Skills: formulating and solving complex problems through the appropriate choice or development of mathematical tools (theoretical and computational).

(Oct 2008 – Oct 2011) | **Bachelor's degree in Mathematics**

Dipartimento di Matematica, Università di Bologna – Piazza di Porta S. Donato 5, Bologna

▪ Skills: synthesis, abstraction, generalization, and innovative solving of problems; excellence in computer science and informatics.

ACHIEVEMENTS AND AWARD

Editorial activity
Peer-reviewer for scientific journals: Journal of Magnetic Resonance Imaging (JMRI), Electronics, Applied Science, Animals

Grants
Fondazione Umberto Veronesi - "Post-Doctoral Fellowship 2021"

TEACHING ACTIVITY

(Mar 2019 – Jun 2019)
"Applied Statistics", exercise lectures and informatic lab – Master's degree in Electric Engineering, Politecnico di Milano

(Mar 2018 – Jun 2018)
"Applied Statistics", exercise lectures and informatic lab – Master's degree in Electric Engineering, Politecnico di Milano

(Mar 2017 – Apr 2017)
"Statistics and biomedical signals fundamentals", exercise lectures and informatic lab – Bachelor's degree in Biomedical Engineering, Politecnico di Milano

(Mar 2016 – Apr 2016)
"Statistics and biomedical signals fundamentals", informatic lab – Bachelor's degree in Biomedical Engineering, Politecnico di Milano

(Oct 2015 – Feb 2016)
"Statistics", exercise lectures and informatic lab – Bachelor's degree in Energetic Engineering, Politecnico di Milano

TECHNICAL SKILLS

Excellent knowledge of softwares for scientific computing and data analysis: Matlab, R, Python

Excellent knowledge of softwares for visualization, processing, and analysis of biomedical images: MRIcron, ITK-SNAP, ImageJ, Horos, Freesurfer, FSL, SPM, ANTs