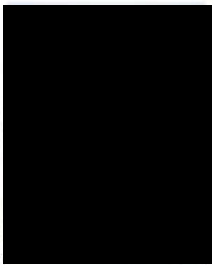
PERSONAL INFORMATION

Florinda, Ines Maria Ferreri



University of Padova
Department of Neuroscience
Via Nicolò Giustiniani 5, 35128 Padova PD
Italy

[redacted]

Sex: Female | *Nationalit*ies: Italian, USA

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☒ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

from 2021- to date
Acting Director, Unit of Clinical Neurophysiology
Padua University Hospital, Padua, Italy

from 2018- to date
Associate Professor of Neurology
Department of Neuroscience, University of Padua, Italy

from 2012- to date
Research Consultant
Department of Clinical Neurophysiology, Kuopio University Hospital, University of Eastern Finland Kuopio, Finland

from 2016- to 2018
Researcher
Department of Medicine, Unit of Neurology and Neurophysiology, University Campus Bio-Medico of Rome, Rome, Italy

from 2007- to 2016
Neurologist
Department of Medicine, Unit of Neurology and Neurophysiology, University Hospital Campus Bio-Medico of Rome, Rome, Italy

from 2006- to 2006
Research Fellow
Wisconsin Institute for Sleep and Consciousness, University of Wisconsin–Madison, WI, USA.

EDUCATION AND TRAINING

from 2008 - to 2012
Doctoral degree of Medical Science
University of Eastern Finland
Major: Clinical Neurophysiology

from 2001- to 2006
Certification in Neurology
University Campus Bio-Medico of Rome, Rome, Italy

from 1996 - to 2001
Medical degree
University Campus Bio-Medico of Rome, Rome, Italy

WORK ACTIVITIES

Awards

29th International Congress of Clinical Neurophysiology (ICCN), Kobe (October 28 to November 1, 2010): prize to a young researcher in clinical neurophysiology.
13th European Congress of Clinical Neurophysiology Istanbul (4-8 May 2008): prize to a young researcher in clinical neurophysiology.
Program LLP/Erasmus: 2008-2009; 2009-2010; 2010-2011.

Editorial activity

Editor “Cortical Circuitry and Synaptic Dysfunctions in Alzheimer's Disease and Other Dementias”. Neural Plasticity, 2021.
Leading Editor “Clinical Neurophysiology in Alzheimer’s Disease”. International Journal of Alzheimer’s disease, 2011.
Editorial Board: European Spine Journal -Springer- e Restorative Neurology and Neuroscience (01/15-02/17) -IOS Press-.
Ad-hoc Reviewer: Alzheimer’s & Dementia, Archives Italiennes de Biologie, Brain Research Bulletin, Brain Topography, Brain Stimulation, Clinical Neurophysiology, Neurobiology of Aging, Neurological Sciences, Neuropsycopharmacology, Neuroreport, Neuroscience Letters, Sleep Medicine, Journal of Neuroscience Methods, Journal of Neurophysiology, Psychophysiology, PLoS ONE.

Invited presentations

-Invited Speaker: Congresso Nazionale della Società Italiana di Neurofisiologia Clinica, Firenze 8-10 Giugno 2003. 50° Anniversario. Simposio: neurofisiologia dell’invecchiamento, “La Stimolazione Magnetica Transcranica”.

-Invited Speaker: VI Congresso Nazionale Associazione Fatebenefratelli per la Ricerca, Milano 4-6 Novembre 2004. “Studio dell’eccitabilità corticale motoria dopo esposizione a campi magnetici tipo GSM”.

-Invited Speaker: Congresso Nazionale della Società Italiana di Neurofisiologia Clinica, Chieti-Pescara 21-23 Maggio 2004. Simposio su Demenze, “La Stimolazione Magnetica Transcranica nelle demenze degenerative”.”.

-Invited Speaker: 1st Forum Boehringer Ingelheim su Depressione e Patologie Neurodegenerative, Reggello 26-27 Ottobre 2007. “Il cervello che invecchia e si ammala: il conflitto tra perdita e compensazione funzionale”.

-Invited Speaker: VII Congresso Nazionale Società Italiana per lo Studio dello Stroke, Roma 22-24 Novembre 2007. “MEG/TMS e processi di recupero”.

-Invited Speaker: IX Congresso Nazionale Associazione Fatebenefratelli per la Ricerca, Roma 15-16 Novembre 2008. “Direct evaluation of EEG modifications linked with intra-cortical inhibition and facilitation balance in human motor cortex: an EEG-ppTMS study”.

-Invited Speaker: Workshop on TMS and EEG, IRCCS San Raffaele Cassino, Cassino 15 Luglio 2008. ” Principi di co-registrazione HDEEG-TMS”.

-Invited Speaker: Workshop on TMS and EEG, IRCCS San Raffaele Cassino, Cassino 20 Maggio 2009. “La stimolazione magnetica transcranica nell’invecchiamento normale e nella malattia di Alzheimer”.

-Invited Speaker: 14th European Congress of Clinical Neurophysiology and 4th International conference on Transcranial Magnetic and Direct Current Stimulation, Rome 21-25 June 2011. Workshop on Evoked potentials, “Amplitude values of MEPs: statistical properties and neurophysiological implications”, with doctor Patrizio Pasqualetti.

-Invited Speaker: TOP SEMINARS in Multiple Sclerosis, Baveno 24-26 Maggio 2012. “Electrophysiological correlates of brain connectivity in Multiple Sclerosis”.

-Invited Speaker: 30th International Congress on Clinical Neurophysiology, Berlin 20-25 March 2014. “Functional and effective connectivity in pathological aging”.

-Invited Speaker: Workshop su Plasticità del Sistema Nervoso e Riabilitazione, IRCCS San Raffaele Pisana, Roma 27 Giugno 2014. “L’utilizzo di tecniche di stimolazione magnetica transcranica per promuovere il recupero funzionale nelle principali patologie neurologiche”.

-Invited Speaker: Workshop su Plasticità del Sistema Nervoso e Riabilitazione, IRCCS San Raffaele Pisana, Roma 27 Giugno 2014.

-Invited Speaker: Wearables to predict and treat epileptic seizures. Incontro Sviluppo Ricerca DNS (ISR-DNS) Padova, 13 ottobre 2018.

-Invited Speaker: Workshop su Perampanel: un percorso guidato tra opportunità e falsi miti. Padova 27 Febbraio 2019.

-Faculty and Invited Teacher: 7th Science Factory: TMS–EEG Summer School and Workshop. May 17th, 2019 to May 22nd, 2019. Espoo, Finland.

-Invited Speaker: Congresso promosso dall'Ordine dei Medici Chirurghi e degli Odontoiatri di Padova e dalla Diocesi di Padova Il medico tra coscienza e norma. "Basi neurologiche della coscienza". Padova, 18 ottobre 2019.

-Moderator: Riunione Policentrica LICE Triveneto "Chirurgia non resettiva e nuove indicazioni sullo stato epilettico". Venezia Mestre, 18 novembre 2019.

-Invited Speaker: Congresso Il presente e il futuro della neurofisiopatologia, promosso dall'Università degli studi di Padova. "Lo studio multimodale della connettività cerebrale effettiva: il ruolo della co-registrazione TMS-EEG" Padova, 31 Gennaio 2020.

Grants

Italian Institute of Health, GR-2016-02361802 "Prediction of conversion from Mild Cognitive Impairment to Alzheimer's disease based on TMS-EEG biomarkers". Principal Investigator: Euro 449.685,00. Italian Institute of Health, GR-2009-1143091. Prediction of cognitive decline in mild cognitive impairment (MCI) subjects carrying genetic risk factors based on quantitative EEG and transcranial magnetic stimulation markers". Co-Investigator: Euro 446.665,00.

ADDITIONAL INFORMATION

Publications

More than 30 Publications in peer-review journals in the last ten years
Total Impact Factor: 258
Average IF/paper: 4.16
Total number of citations: 5376 (scopus); 7478 (google scholar)
H index: 36 (scopus)

1. Kallioniemi E, Saari J, Ferreri F, Määttä S. TMS-EEG responses across the lifespan: Measurement, methods for characterisation and identified responses. J Neurosci Methods.2022 Jan 15;366:109430. doi: 10.1016/j.jneumeth.2021.109430. Epub 2021 Nov 29.
2. Ferreri F, Guerra A, Vollero L, Ponzo D, Määtta S, Könönen M, Vecchio F, Pasqualetti P, Miraglia F, Simonelli I, Corbetta M, Rossini PM. TMS-EEG Biomarkers of Amnestic Mild Cognitive Impairment Due to Alzheimer's Disease: A Proof-of-Concept Six Years Prospective Study. Front Aging Neurosci. 2021 Nov 22;13:737281. doi: 10.3389/fnagi.2021.737281. eCollection 2021.
3. Rossini PM, Di Iorio R, Bentivoglio M, Bertini G, Ferreri F, Gerloff C, Ilmoniemi RJ, Miraglia F, Nitsche MA, Pestilli F, Rosanova M, Shirota Y, Tesoriero C, Ugawa Y, Vecchio F, Ziemann U, Hallett M. Methods for analysis of brain connectivity: An IFCN-sponsored review. Clin Neurophysiol. 2019 Oct;130(10):1833-1858. doi: 10.1016/j.clinph.2019.06.006. Epub 2019 Jul 2. Review.
4. Ferreri F, Guerra A, Vollero L, Ponzo D, Määttä S, Mervaala E, Iannello G, Di Lazzaro V. Age-related changes of cortical excitability and connectivity in healthy humans: non-invasive evaluation of sensorimotor network by means of TMS-EEG. Neuroscience. 2017 Jun 15;357:255-263. doi: 10.1016/j.neuroscience.2017.06.014.
5. Määttä S, Könönen M, Kallioniemi E, Lakka T, Lintu N, Lindi V, Ferreri F, Ponzo D, Säisänen L. Development of cortical motor circuits between childhood and adulthood: A navigated TMS-HdEEG study. Hum Brain Mapp. 2017 May;38(5):2599-2615. doi: 10.1002/hbm.23545. Epub 2017 Feb 20.
6. Guerra A, Pogosyan A, Nowak M, Tan H, Ferreri F, Di Lazzaro V, Brown P. Phase Dependency of the Human Primary Motor Cortex and Cholinergic Inhibition Cancelation During Beta tACS. Cereb Cortex. 2016 Oct;26(10):3977-90. doi: 10.1093/cercor/bhw245. Epub 2016 Aug 13.
7. Ferreri F, Vecchio F, Vollero L, Guerra A, Petrichella S, Ponzo D, Määtta S, Mervaala E, Könönen M, Ursini F, Pasqualetti P, Iannello G, Rossini PM, Di Lazzaro V. Sensorimotor cortex excitability and connectivity in Alzheimer's disease: A TMS-EEG Co-registration study. Hum Brain Mapp. 2016 Jun;37(6):2083-96. doi: 10.1002/hbm.23158. Epub 2016 Mar 4.
8. Rossini PM, Burke D, Chen R, Cohen LG, Daskalakis Z, Di Iorio R, Di Lazzaro V, Ferreri F, Fitzgerald PB, George MS, Hallett M, Lefaucheur JP, Langguth B, Matsumoto H, Miniussi C, Nitsche MA, Pascual-Leone A, Paulus W, Rossi S, Rothwell JC, Siebner HR, Ugawa Y, Walsh V, Ziemann U. Non-invasive electrical and magnetic stimulation of the brain, spinal cord, roots and peripheral nerves: Basic principles and procedures for routine clinical and research application. An updated report from an I.F.C.N. Committee. Clin Neurophysiol. 2015 Feb 10. Review.
9. Ferreri F, Vecchio F, Ponzo D, Rossini PM. Time-varying coupling of EEG oscillations of primary motor cortex predicts excitability fluctuations as reflected by motor evoked potentials amplitude: an EEG-TMS study. Hum Brain Mapp. 2014 May;35(5):1969-80.
10. Ferreri F, Rossini PM. TMS and TMS-EEG techniques in the study of the excitability, connectivity, and plasticity of the human motor cortex. Rev Neurosci. 2013;24(4):431-42. Review.

Padua, December 2022