

ELIAS PAOLO CASULA

Curriculum Vitae

Part I – GENERAL INFORMATION

Full Name	Elias Paolo Casula
Residence	Roma, Italy
E-mail	elias.casula@gmail.com; eliaspaolo.casula@uniroma2.eu

Part II – EDUCATION

Type	Year	Institution	Grade
PhD Neuroscience	2015	University of Padua	PhD
MSc. Neuroscience	2012	University of Padua	110 cum laude
BSc. Psychology	2011	University of Cagliari	110

Part III – APPOINTMENTS

Academic Appointments

Start	End	Institution	Position
01/2023	ongoing	Dept. of System Medicine, Tor Vergata Univ. (Rome)	PNRR PI (RTD-A)
6/2022	01/2023	Dept. of Psychology, La Sapienza University (Rome)	Be-for-ERC Principal Investigator
2/2021	6/2022	Santa Lucia Foundation, Rome	Senior Researcher
5/2012	10/2022	Dept. of Psychology, University of Padua	Adjunct Professor
1/2019	1/2021	Institute of Neurology, University College London	MSCA Principal Investigator
1/2020	07/2020	Dept. of Neuroscience, LDM University (Rome)	Adjunct Professor
1/2015	1/2019	Santa Lucia Foundation, Rome	Researcher

National Scientific Qualification

Year	National Scientific Qualification	SSD
2021	Associate Professor	11/E1 Psychobiology, Psychometry, General Psych.
2021	Associate Professor	05/D1 Physiology

PART IV – TEACHING EXPERIENCE

Academic teaching

Year	Institution	Course
2023	University of Tor Vergata	Statistics (72 hours)
2022	University of Padua	Methodology of TMS (20 hours)
2021	University of Padua	Methodology and physiology of TMS (20 hours)
2020	Lorenzo De Medici University	Neuroscience (60 hours)
2020	University of Padua	Methodology and physiology of TMS (20 hours)
2019	University of Padua	Transcranial Magnetic Stimulation (20 hours)
2018	University of Padua	Methodology and physiology of TMS (20 hours)
2017	University of Padua	Methodology and physiology of TMS (40 hours)

2017	University of Tor Vergata (Rome)	Methodology of Research (20 hours)
2016	University of Padua	Transcranial Magnetic Stimulation (20 hours)
2016	University of Tor Vergata (Rome)	Methodology of Research (20 hours)
2015	University of Padua	Methodology and physiology of TMS (20 hours)
2014	University of Padua	Methodology and physiology of TMS (20 hours)
2014	University of Padua	Neuropsychology of Aging (10 hours)

Non-academic teaching

Year	Institution	Course
2022	Temple University (Neocortex srl)	Advanced Statistics (120 hours)
2022	Temple University (Neocortex srl)	Basic Statistics (120 hours)
2021	Temple University (Neocortex srl)	Advanced Statistics (60 hours)
2021	Temple University (Neocortex srl)	Basic Statistics (60 hours)
2020	Temple University (Neocortex srl)	Advanced Statistics (60 hours)
2020	Temple University (Neocortex srl)	Basic Statistics (60 hours)

PART V – SOCIETY MEMBERSHIPS, AWARDS AND HONOURS

Year	Title
2019-22	Member of the Society for Neuroscience (SfN) (n. 212177338)
2016-18	Member of the Italian Society of Psychophysiology (SIPF)
2016	Best poster (selected for talk) at the 6 th TBS conference in Gottingen, 6/8/16
2013	First Prize for the best oral presentation at the 1 st CSAB conference in Brixen, 9/9/2013

PART VI – FUNDING INFORMATION

Year	Grants as Principal Investigator
2023	“PNRR Mur” founded by Italian Ministry of University (195’000 €)
2021	“Be-for-ERC” founded by La Sapienza University Rome (50’000 €)
2018	“Marie Skłodowska Curie Action” founded by “Horizon 2020” European Commission (H2020-MSCA-IF Grant No. 798957) (183’454.80 €)
2012	“Master and Back” founded by European Commission 2007/2013 (47’052.70 €)

Year	Grants as Co-Principal Investigator or Collaborator
2020-22	“Alzheimer’s Disease Drug Foundation (ADDF)” Collaborator for the project “Non-invasive Brain Stimulation for Gamma Induction and Cognitive Enhancement in FTD” (PI: Prof. Giacomo Koch) (GA-201902-2017959) (1’959’841 \$)
2019-21	“BrightFocus Foundation USA” Collaborator for the project “Precuneus rTMS: a novel therapy for mild AD patients” (PI: Prof. Giacomo Koch) (190’000 \$)
2016-19	“Giovani Ricercatori – Ministero della Salute” Collaborator for the project “The neural markers of post-stroke recovery: tracking the early dynamics of cortical reorganization with a novel longitudinal multimodal approach” (PI: Dr. Sonia Bonni) (GR-2013-02358852) (272’508 €)
2015-18	“Alzheimer’s Disease Drug Foundation (ADDF)” Collaborator for the project “Dopaminergic Therapy in Alzheimer’s Disease” (PI: Prof. Giacomo Koch) (GA-201902-2017959) (250’000 \$)
2014-17	“Ricerca Finalizzata – Ministero della Salute” Collaborator for the project “Promoting Motor re-Learning after Stroke by non-invasive Cerebellar Stimulation: a Novel Integrated TMS/EEG approach” (PI: Prof. Giacomo Koch) (RF-2011-02349953) (318’800 €)
2014-15	“Cure Huntington Disease Initiative (CHDI)” Collaborator for the project “Track-on HD” (PI: Prof. Sarah Tabrizi)

PART VII – RESEARCH ACTIVITIES

Keywords

Brief Description

Biostatistics	- Strong expertise in basic and advanced statistics applied in social and biomedical sciences - Strong expertise in the investigation of brain dynamics underlying cognition in the healthy and pathological brain by means of non-invasive brain stimulation with simultaneous electroencephalography (EEG) and electromyography (EMG)
Brain dynamics	
Brain stimulation	
Electroencephalography	
Neuropsychophysiology	

PART VIII – SUMMARY OF SCIENTIFIC ACHIEVEMENTS

Papers [international]	42
Total Impact factor	243.039
Total Citations	1177
Average Citations per Product	28.023
Hirsch (H) index	22
Normalized H index* (8 years)	2.62

PART IX – SELECTED SCIENTIFIC PUBLICATIONS

Title: Machine Learning-based classification to disentangle EEG responses to TMS and auditory input

Authors: Cristofari A, De Santis M, Lucidi S, Rothwell JC, Casula EP, Rocchi L

Reference data: May 2023

Journal: Brain Sciences

IF (year of publication): 3.333

Citations: 0

DOI: <https://doi.org/10.3390/brainsci13060866>

Title: TMS-EEG perturbation biomarkers for Alzheimer's disease patients classification

Authors: Casula EP, Tautan A, Pellicciari MC, Borghi I, Maiella M, Bonni S, Minei M, Assogna M et al.

Reference data: May 2023

Journal: Scientific Reports

IF (year of publication): 4.997

Citations: 0

DOI: <https://doi.org/10.1016/j.brs.2023.02.009>

Title: Cerebellar noninvasive neuromodulation influences the reactivity of the contralateral primary motor cortex and surrounding areas: a TMS-EMG-EEG study

Authors: Rocchi L, Spampinato DA, Pezzopane V, Orth M, Bisiacchi PS, Rothwell JC, Casula EP

Reference data: Jun 2023

Journal: Cerebellum

IF (year of publication): 3.847

Citations: 8

DOI: <https://doi.org/10.1007/s12311-022-01398-0>

Title: TMS combined with EEG: Recommendations and open issues for data collection and analysis
Authors: Hernandez-Pavon JC, Veniero D, Bergmann TO, Belardinelli P, Bortoletto M, Casarotto S, Casula EP et al.
Reference data: Feb 2023
Journal: Brain Stimulation
IF (year of publication): 6.919
Citations: 1
DOI: <https://doi.org/10.1016/j.brs.2023.02.009>

Title: Regional Precuneus Cortical Hyperexcitability in Alzheimer's Disease Patients
Authors: Casula EP, Borghi I, Mariella M, Pellicciari MC, Bonni S, Mencarelli L, Assogna M, D'Acunto A, Di Lorenzo F, Spampinato DA, Santarnecchi E, Martorana A, Koch G
Reference data: Feb 2023
Journal: Annals of Neurology
IF (year of publication): 10.42
Citations: 5
DOI: <https://doi.org/10.1002/ana.26514>

Title: Revised Protein Sparing Diet in Obesity and Type 2 Diabetes Mellitus
Authors: Cincione RI, Losavio F, Cibelli G, Messina G, Polito R, Casula EP, Cincione PP, Amatruda M, Limone P
Reference data: Dic 2022
Journal: Nutrients
IF (year of publication): 5.717
Citations: 0
DOI: <https://doi.org/10.3390/nu14245325>

Title: Simultaneous transcranial electrical and magnetic stimulation boost gamma oscillations in the dorsolateral prefrontal cortex
Authors: Maiella M, Casula EP, Borghi I, Assogna M, D'Acunto A, Pezzopane V, Mencarelli L, Rocchi L, Pellicciari MC, Koch G
Reference data: Nov 2022
Journal: Scientific Reports
IF (year of publication): 4.996
Citations: 0
DOI: <https://doi.org/10.1038/s41598-022-23040-z>

Title: Precuneus Magnetic Stimulation for Alzheimer's Disease: a randomized, sham-controlled trial
Authors: Koch G, Casula EP, Bonni S, Borghi I, Assogna M, Minei M, Pellicciari MC, Motta C, D'Acunto A, Porraccini F, Maiella M, Ferrari C, Caltagirone C, Santarnecchi E, Bozzali M, Martorana A
Reference data: Oct 2022
Journal: Brain
IF (year of publication): 13.5
Citations: 19
DOI: <https://doi.org/10.1093/brain/awac285>

Title: Italian Ketogenic Mediterranean Diet in Overweight and Obese Patients with Prediabetes or Type 2 Diabetes
Authors: Cincione RI, Messina A, Cibelli G, Messina G, Polito R, Losavio F, La Torre E, Monda V, Monda M, Quiete S, Casula EP, Napoli N, Defeudis G
Reference data: Oct 2022
Journal: Nutrients
IF (year of publication): 5.717
Citations: 2
DOI: <https://doi.org/10.3390/nu14204361>

Title: The Effect of Coil Orientation on the Stimulation of the Pre-Supplementary Motor Area: A Combined TMS and EEG Study

Authors: Casula EP, Leodori G, Ibanez J, Benussi A, Rawji V, Tremblay S, Latorre A, Rothwell JC, Rocchi L
Reference data: Oct 2022
Journal: Brain Sciences
IF (year of publication): 3.33
Citations: 1
DOI: <https://doi.org/10.3390/brainsci12101358>

Title: Decreased Frontal Gamma Activity in Alzheimer Disease Patients
Authors: Casula EP, Pellicciari MC, Bonni S, Borghi I, Maiella M, Assogna M, Minei M, Motta C, D'Acunto A, Porrazzini F, Pezzopane V, Mencarelli L, Roncaioli A, Rocchi L, Spampinato DA, Caltagirone C, Santarnecchi E, Martorana A, Koch G
Reference data: Sep 2022
Journal: Annals of Neurology
IF (year of publication): 10.42
Citations: 4
DOI: <https://doi.org/10.1002/ana.26444>

Title: Age-related Changes in Cortical Excitability Linked to Decreased Attentional and Inhibitory Control
Authors: Cespòn J, Pellicciari MC, Casula EP, Miniussi C
Reference data: 2022 May
Journal: Neuroscience
IF (year of publication): 3.59
Citations: 2
DOI: <https://doi.org/10.1016/j.neuroscience.2022.05.021>

Title: Feeling of ownership over an embodied avatar's hand brings about fast changes of fronto-parietal cortical dynamics
Authors: Casula EP, Tieri G, Rocchi L, Pezzetta R, Maiella M, Pavone EF, Aglioti SM, Koch G
Reference data: 2021 Dic
Journal: Journal of Neuroscience
IF (year of publication): 6.167
Citations: 18
DOI: <https://doi.org/10.1523/JNEUROSCI.0636-21.2021>

Title: Isolated A β pathology is associated with preserved cortical plasticity in ApoE4 Alzheimer's disease patients
Authors: Assogna M, Motta C, Bonni S, Borghi I, Casula EP, Martorana A, Koch G
Reference data: 2021 Dic
Journal: Journal of Alzheimer's Disease
IF (year of publication): 4.472
Citations: 1
DOI: <https://doi.org/10.3233/JAD-215218>

Title: Evidence for interhemispheric imbalance in stroke patients as revealed by combining transcranial magnetic stimulation and electroencephalography
Authors: Casula EP, Pellicciari MC, Bonni S, Spanò B, Ponzo V, Salsano I, Giulietti G, Martino Cinnera A, Maiella M, Borghi I, Rocchi L et al.
Reference data: 2021 Jan
Journal: Human Brain Mapping
IF (year of publication): 5.038
Citations: 33
DOI: <https://doi.org/10.1002/hbm.25297>

Title: Transcranial Evoked Potentials Can Be Reliably Recorded with Active Electrodes
Authors: Mancuso M, Sveva V, Cruciani A, Brown K, Ibáñez J, Rawji V, Casula E, Premoli I, D'Ambrosio S, Rothwell J, Rocchi L
Reference data: 2021 Jan

Journal: Brain Sciences
IF (year of publication): 3.394
Citations: 28
DOI: <https://doi.org/10.3390/brainsci11020145>

Title: Disentangling EEG responses to TMS due to cortical and peripheral activations
Authors: Rocchi L, Di Santo A, Brown K, Ibáñez J, Casula E, Rawji V, Di Lazzaro V, Koch G, Rothwell J
Reference data: 2021 Jan
Journal: Brain Stimulation
IF (year of publication): 8.955
Citations: 103
DOI: <https://doi.org/10.1016/j.brs.2020.10.011>

Title: Cerebellar Intermittent Theta-Burst Stimulation Combined with Vestibular Rehabilitation Improves Gait and Balance in Patients with Multiple Sclerosis: a Preliminary Double-Blind Randomized Controlled Trial
Authors: Tramontano M, Grasso MG, Soldi S, Casula EP, Bonni S, Mastrogiacomo S, D'Acunto A, Porrazzini F, Caltagirone C, Koch G
Reference data: 2020 Dec
Journal: The Cerebellum
IF (year of publication): 3.847
Citations: 31
DOI: <https://doi.org/10.1007/s12311-020-01166-y>

Title: Intermittent Cerebellar Theta Burst Stimulation Improves Visuo-motor Learning in Stroke Patients: a Pilot Study
Authors: Bonni S, Motta C, Pellicciari MC, Casula EP, Cinnera AM, Maiella M, Picazio S, Tramontano M, Sallustio F, Koch G
Reference data: 2020 Oct
Journal: The Cerebellum
IF (year of publication): 3.847
Citations: 14
DOI: <https://doi.org/10.1007/s12311-020-01146-2>

Title: LTP-like cortical plasticity predicts conversion to dementia in patients with memory impairment
Authors: Di Lorenzo F, Motta C, Casula EP, Bonni S, Assogna M, Caltagirone C, Martorana A, Koch G
Reference data: 2020 Sep
Journal: Brain Stimulation
IF (year of publication): 8.955
Citations: 42
DOI: <https://doi.org/10.1016/j.brs.2020.05.013>

Title: Effect of rotigotine vs placebo on cognitive functions among patients with mild to moderate Alzheimer disease: a randomized clinical trial
Authors: Koch G, Motta C, Bonni S, Pellicciari MC, Picazio S, Casula EP, Maiella M, Di Lorenzo F, Ponzo V, Ferrari C, Scaricamazza E et al.
Reference data: 2020 Jul
Journal: JAMA Network Open
IF (year of publication): 8.483
Citations: 32
DOI: <https://doi.org/10.1001/jamanetworkopen.2020.10372>

Title: Improving visuo-motor learning with cerebellar theta burst stimulation: behavioral and neurophysiological evidence
Authors: Koch G, Esposito R, Motta C, Casula EP, Di Lorenzo F, Bonni S, Cinnera AM, Ponzo V, Maiella M, Picazio S, Assogna M et al.
Reference data: 2020 Mar
Journal: Neuroimage

IF (year of publication): 6.556
Citations: 40
DOI: <https://doi.org/10.1016/j.neuroimage.2019.116424>

Title: Effects of Palmitoylethanolamide Combined with Luteoline on Frontal Lobe Functions, High Frequency Oscillations, and GABAergic Transmission in Patients with Frontotemporal Dementia
Authors: Assogna M, Casula EP, Borghi I, Bonni S, Samà D, Motta C, Di Lorenzo F, D'Acunto A, Porrazzini F, Minei M, Caltagirone C et al.
Reference data: 2020 Jan
Journal: Journal of Alzheimer's Disease
IF (year of publication): 4.472
Citations: 19
DOI: <https://doi.org/10.3233/JAD-200426>

Title: Novel TMS-EEG indexes to investigate interhemispheric dynamics in humans
Authors: Casula EP, Maiella M, Pellicciari MC, Porrazzini F, D'Acunto A, Rocchi L, Koch G.
Reference data: 2020 Jan
Journal: Clinical Neurophysiology
IF (year of publication): 3.708
Citations: 38
DOI: <https://doi.org/10.1016/j.clinph.2019.09.013>

Title: Effect of cerebellar stimulation on gait and balance recovery in patients with hemiparetic stroke: a randomized clinical trial
Authors: Koch G, Bonni S, Casula EP, Iosa M, Paolucci S, Pellicciari MC, Cinnera AM, Ponzio V, Maiella M, Picazio S, Sallustio F et al.
Reference data: 2019 Feb
Journal: JAMA Neurology
IF (year of publication): 18.302
Citations: 120
DOI: <https://doi.org/10.1001/jamaneurol.2018.3639>

Title: Effects of pulse width, waveform and current direction in the cortex: A combined cTMS-EEG study
Authors: Casula EP, Rocchi L, Hannah R, Rothwell JC
Reference data: 2018 Sep
Journal: Brain Stimulation
IF (year of publication): 6.919
Citations: 59
DOI: <https://doi.org/10.1016/j.brs.2018.04.015>

Title: Response to the letter to the editor by Reilmann et al referring to our article titled " Motor cortex synchronization influences the rhythm of motor performance in premanifest Huntington's disease
Authors: Casula EP, Mayer IM, Desikan M, Tabrizi SJ, Rothwell JC, Orth M
Reference data: 2018 Jul
Journal: Movement Disorders
IF (year of publication): 8.061
Citations: 1
DOI: <https://doi.org/10.1002/mds.27471>

Title: Dynamic reorganization of TMS-evoked activity in subcortical stroke patients.
Authors: Pellicciari MC, Bonni S, Ponzio V, Cinnera AM, Mancini M, Casula EP, Sallustio F, Paolucci S, Caltagirone C, Koch G.
Reference data: 2018 Jul
Journal: Neuroimage
IF (year of publication): 5.812
Citations: 49

DOI: <https://doi.org/10.1016/j.neuroimage.2018.04.011>

Title: Variability and predictors of response to continuous theta burst stimulation: a TMS-EEG study.

Authors: Rocchi L, Ibáñez J, Benussi A, Hannah R, Rawji V, Casula E, Rothwell J.

Reference data: 2018 Jun

Journal: Frontiers in Neuroscience

IF (year of publication): 4.501

Citations: 68

DOI: <https://doi.org/10.3389/fnins.2018.00400>

Title: Transcranial magnetic stimulation of the precuneus enhances memory and neural activity in prodromal Alzheimer's disease

Authors: Koch G, Bonni S, Pellicciari MC, Casula EP, Mancini M, Esposito R, Ponzio V, Picazio S, Di Lorenzo F, Serra L, Motta C.

Reference data: 2018 Apr

Journal: Neuroimage

IF (year of publication): 5.812

Citations: 233

DOI: <https://doi.org/10.1016/j.neuroimage.2017.12.048>

Title: Motor cortex synchronization influences the rhythm of motor performance in premanifest huntington's disease

Authors: Casula EP, Mayer IM, Desikan M, Tabrizi SJ, Rothwell JC, Orth M.

Reference data: 2018 Mar

Journal: Movement Disorders

IF (year of publication): 8.061

Citations: 22

DOI: <https://doi.org/10.1002/mds.27285>

Title: The reliability of commonly used electrophysiology measures.

Authors: Brown KE, Lohse KR, Mayer IM, Strigaro G, Desikan M, Casula EP, Meunier S, Popa T, Lamy JC, Odish O, Leavitt BR.

Reference data: 2017 Nov

Journal: Brain Stimulation

IF (year of publication): 6.120

Citations: 60

DOI: <https://doi.org/10.1016/j.brs.2017.07.011>

Title: TMS-evoked long-lasting artefacts: a new adaptive algorithm for EEG signal correction.

Authors: Casula EP, Bertoldo A, Tarantino V, Maiella M, Koch G, Rothwell JC, Toffolo GM, Bisiacchi PS.

Reference data: 2017 Sep

Journal: Clinical Neurophysiology

IF (year of publication): 3.614

Citations: 45

DOI: <https://doi.org/10.1016/j.clinph.2017.06.003>

Title: Transcranial Direct Current Stimulation (tDCS) of the Anterior Prefrontal Cortex (aPFC) Modulates Reinforcement Learning and Decision-Making Under Uncertainty: a Double-Blind Crossover Study

Authors: Casula EP, Testa G, Bisiacchi PS, Montagnese S, Caregaro L, Amodio P, Schiff S.

Reference data: 2017 May

Journal: Journal of Cognitive Enhancement

IF (year of publication): -

Citations: 8

DOI: <https://doi.org/10.1007/s41465-017-0030-7>

Title: Subthalamic stimulation and levodopa modulate cortical reactivity in Parkinson's patients

Authors: Casula EP, Bassi MS, Pellicciari MC, Ponzo V, Veniero D, Peppe A, Brusa L, Stanzione P, Caltagirone C, Stefani A, Koch G.

Reference data: 2017 Jan

Journal: Parkinsonism and Related Disorders

IF (year of publication): 4.721

Citations: 34

DOI: <https://doi.org/10.1016/j.parkreldis.2016.10.009>

Title: Spike-timing-dependent plasticity in the human dorso-lateral prefrontal cortex

Authors: Casula EP, Pellicciari MC, Picazio S, Caltagirone C, Koch G.

Reference data: 2016 Dec

Journal: Neuroimage

IF (year of publication): 5.835

Citations: 65

DOI: <https://doi.org/10.1016/j.neuroimage.2016.08.060>

Title: Cerebellar theta burst stimulation modulates the neural activity of interconnected parietal and motor areas

Authors: Casula EP, Pellicciari MC, Ponzo V, Bassi MS, Veniero D, Caltagirone C, Koch G.

Reference data: 2016 Oct

Journal: Scientific Reports

IF (year of publication): 4.259

Citations: 80

DOI: <https://doi.org/10.1038/srep36191>

Title: Somatosensory temporal discrimination threshold involves inhibitory mechanisms in the primary somatosensory area

Authors: Rocchi L, Casula EP, Tocco P, Berardelli A, Rothwell JC

Reference data: 2016 Jan

Journal: Journal of Neuroscience

IF (year of publication): 5.988

Citations: 87

DOI: <https://doi.org/10.1523/JNEUROSCI.2008-15.2016>

Title: Acute hyperammonaemia induces a sustained decrease in vigilance, which is modulated by caffeine

Authors: Casula EP, Bisiacchi PS, Corrias M, Schiff S, Merkel C, Amodio P, Montagnese S.

Reference data: 2015 Feb

Journal: Metabolic brain disease

IF (year of publication): 2.603

Citations: 12

DOI: <https://doi.org/10.1007/s11011-014-9590-8>

Title: Low-frequency rTMS inhibitory effects in the primary motor cortex: Insights from TMS-evoked potentials

Authors: Casula EP, Tarantino V, Basso D, Arcara G, Marino G, Toffolo GM, Rothwell JC, Bisiacchi PS.

Reference data: 2014 Sep

Journal: Neuroimage

IF (year of publication): 6.357

Citations: 91

DOI: <https://doi.org/10.1016/j.neuroimage.2014.04.065>

Title: Bi-directional modulation of somatosensory mismatch negativity with transcranial direct current stimulation: an event related potential study

Authors: Chen JC, Hämmerer D, D'Ostilio K, Casula EP, Marshall L, Tsai CH, Rothwell JC, Edwards MJ

Reference data: 2014 Feb

Journal: Journal of Physiology

IF (year of publication): 5.037

Citations: 37

DOI: <https://doi.org/10.1113/jphysiol.2013.260331>

Title: Muscle and timing-specific functional connectivity between the dorsolateral prefrontal cortex and the primary motor cortex

Authors: Hasan A, Galea JM, Casula EP, Falkai P, Bestmann S, Rothwell JC

Reference data: 2013 Apr

Journal: Journal of Cognitive Neuroscience

IF (year of publication): 4.687

Citations: 77

DOI: https://doi.org/10.1162/jocn_a_00338

PART X – TALKS AT SCIENTIFIC CONGRESS

Congress: Society for Neuroscience Congress 2022. San Diego 08/06/2022

Talk: “Cortical markers of inhibitory deficits in Parkinson’s disease: a TMS-EEG study”

Congress: 2022 Fresco International Workshop on Synaptic Plasticity and Parkinson Disease. Florence, 08/06/2022

Talk: “Real-time Assessment of Inhibition deficits in Parkinson’s disease”

Congress: 3th FSL Research Retreat, Santa Lucia Foundation IRCCS. Rome, 01/12/2021

Talk: “Natural Frequencies in the Human Brain: a Novel Biomarker for AD”

Congress: 29th Congress of the Italian Society of Psychophysiology. Palermo, 30/09/2021

Talk: “Real-Time Assessment of Inhibitory Deficits in Parkinson’s Disease by Combining TMS and EEG”

Congress: 1st Virtual FSL Research Retreat, Santa Lucia Foundation IRCCS. Rome, 20/02/2021

Talk: “Knock knock knockin’ on brain’s door: assessing brain dynamics with TMS-EEG”

Congress: Virtual Reality Experience Congress. Rome, 16/10/2020

Talk: “Knock knock knockin’ on brain’s door: bussando alla porta del cervello”

Congress: The European Conference on Controversies in Huntington’s Disease. Wien 13/02/2020

Talk: "Cortical biomarkers of Huntington’s disease: a multicentric TMS-EEG study"

Congress: Society For Neuroscience Congress 2019. Chicago, 20/10/2019

Talk: "Real-time assessment of brain dynamics during embodiment: an IVR-TMS-EEG study"

Congress: 26th Congress of the Italian Society of Psychophysiology (SIPF). Turin, 16/11/2018

Talk: "Real-time assessment of embodiment-related brain dynamics: a tms-eeG study in immersive virtual reality"

Congress: 48th Congress of the Italian Society of Neurology (SIN), Naples 16/10/2017

Talk: "Interhemispheric unbalance in stroke patients: a new TMS/EEG cortical marker"

Congress: 48th Congress of the Italian Society of Neurology (SIN), Naples 17/10/2017

Talk: "Cortical biomarkers of Huntington’s disease: a multicentric TMS-EEG study"

Congress: 47th Congress of the Italian Society of Neurology (SIN), Lido di Venezia, 24/10/2016

Talk: "Effetto della Stimolazione Cerebrale profonda sull’attività cerebrale nei Pazienti Parkinson"

Congress: 6th International Congress of Transcranial Stimulation. Gottingen, 09/09/2016

Talk: "Cerebellar neuromodulation modulates the activity of interconnected parietal and motor areas"

Congress: 23th Congress of the Italian Society of Psychophysiology. Lucca, 19/11/2015

Talk: "Spike-timing-dependent plasticity in the fronto-parietal network revealed by simultaneous TMS-EEG"

Congress: 15th European Congress of Clinical Neurophysiology. Brno, 2/10/2015

Talk: "Fronto-parietal changes in cortical reactivity reflect spike-timing dependent plasticity"

Congress: UCL Sobell Department Open Day. London, 05/02/2014

Talk: "Using electroencephalography activity to monitor the effects of TMS in the brain"

Congress: 1st Cognitive Science Arena for Beginners, Brixen, 09/09/2013

Talk: "Inhibitory Effects of low-frequency rTMS In The Primary Motor Cortex: a TMS/EEG study"

Congress: European Workshop on Cognitive Neuropsychology. Brixen, 21/01/2013

Talk: "Rtms Inhibitory Effects In The Primary Motor Cortex: Insights From Tms-Evoked Potentials"

Congress: 20th Congress of The Italian Society of Psychophysiology (SIPF). Lido di Venezia, 23/11/2012

Talk: "Reinforcement Learning Is Mediated By Medial Orbitofrontal Cortex: Evidences From Transcranial Direct Current Stimulation (TDCS)"

Congress: 18th Congress of the Italian Association of Psychology (AIP). Chieti, 20/09/2012

Talk: "Attività neurale e artefatti evocati dalla TMS: esiste una relazione?"

PART XI – INVITED TALKS AND SYMPOSIUMS

Invited Seminary

Location: Department of Psychology, University of Verona. Verona, 13/12/2021

Talk: "Knock knock knockin' on brain's door: assessing brain dynamics with TMS-EEG"

Invited Seminary

Location: Department of Physiology, University of Sassari. Sassari, 07/04/2021

Talk: "Assessing Brain Dynamics with TMS-EEG"

Invited Seminary

Location: Department of Psychology, La Sapienza University. Rome (via Zoom), 19/01/2021

Talk: "Real-Time Assessment Of Brain Dynamics: the Combined use Of TMS and EEG"

Invited talk in the Symposium "Cerebellar neuromodulation: from neurophysiology to clinical applications"

Location: 29th Congress of the Italian Society of Psychophysiology. Palermo (via Zoom), 28/11/2020

Talk: "Cerebellar theta-burst stimulation in the recovery of stroke"

Invited talk in the Symposium "Combining TMS and EEG to investigate cortical brain connectivity: issues and new insights"

Location: 7th International Conference on Non-invasive Brain Stimulation. Baden Baden (via Zoom), 10/11/2020

Talk: "TMS-EEG indexes to investigate interhemispheric connectivity in the healthy and pathological brain"

Invited talk in the Symposium "Using insights from basic science to improve the methodology of transcranial magnetic stimulation"

Location: 11th Forum of Neuroscience. Berlin, 10/07/2018

Talk: "Influence of cerebellar rTMS on parietal and frontal areas"

Invited talk

Location: 11th National Congress SIRAS (Italian Society of High-specialized Rehabilitation). Pavia, 28/07/2019

Talk: "Stimolazione cerebrale non invasiva nel recupero dell'ictus: dalla sperimentazione alla clinica"

Invited Talk

Location: Department of Neuroscience. Padua, 25/10/2016

Talk: "Lo studio della connettività e della reattività cerebrale tramite combinazione di stimolazione non- invasiva ed elettroencefalografia"

Invited talk in the symposium 'Comportamento, cervello e stimolazioni transcraniche',

Location: 19th Congress of Experimental Psychology, Rome, 16/09/2013

Talk: "Il ruolo della corteccia orbitofrontale mediale (mOFC) nell'apprendimento per rinforzo: uno studio tDCS"

