

Graziella Madeo
CURRICULUM VITAE et STUDIORUM

COGNOME	MADEO
NOME	GRAZIELLA

CURRENT POSITION

2024	Medical Director Director Neuromodulation and Clinical Research Unit Brain & Care Group Corso D'Augusto, 213 Rimini, Italy
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RESEARCH AND CLINICAL EXPERIENCE

05/2021 – present	Consultant Neurologist Medical Director Director Neuromodulation and Clinical Research Unit Brain & Care Group Corso D'Augusto, 213 Rimini, Italy
09/2018 – 04/2021	Scientific Coordinator Novella Fronda Foundation for Studies and Applied Clinical Research in Addiction Medicine. Piazza Castello, 16 – Padua, Italy
09/2018 – 03/2021	Consultant Neurologist Clinical Coordinator Studio Gallimberti-Bonci, Largo Volontari del Sangue, 1 – Milan, Italy
02/2018 – 10/2019	MD, PhD Visiting Researcher National Institute on Drug Abuse (NIH/NIDA), Synaptic Plasticity Section 21224 - Baltimore (MD, USA).
12/2017 – 08/2018	Consultant Neurologist Dept. of Rehabilitation for Parkinson's disease and Movement Disorders Moriggia Pelascini Hospital Via Pelascini, 3 22015 Gravedona ed Uniti, Como, Italy
11/2014 – 02/2018	PhD Student at University of Rome "Tor Vergata" and National Institute on Drug Abuse (NIH/NIDA). Supervisors: Pr. Antonio Pisani and Pr. Antonello Bonci.

	Project: "Defining the role of alpha-synuclein in the vulnerability profile of midbrain dopaminergic neurons."
2016/2017	MD, Clinical Observer. John Hopkins University, Johns Hopkins School of Medicine. Department of Neurology, Movement Disorders. Supervisor: Dr. Kelly Mills.
2015	MD, Clinical Observer. NIH Parkinson Clinic. NIH/NINDS, Bethesda, USA. Supervisor: Dr. Lungu Codrin.
07/2014 – 11/2014	Postdoctoral Research fellow, Neurophysiology and Plasticity laboratories, IRCSS Santa Lucia Foundation, Rome, Italy. <i>Specific area of interest:</i> Investigation of synaptic plasticity mechanisms in experimental models of hereditary parkinsonisms.
07/2009 – 07/2014	Resident in Neurology at University of Rome "Tor Vergata", Rome (Italy), directed by Pr. Maria Grazia Marciani, with extensive experience in stroke, neuromuscular disease, migraine, movement disorders, multiple sclerosis, sleep disorders, and epilepsy. <i>Specific areas of interest:</i> Diagnosis and therapy of movement disorders: Parkinson's disease, parkinsonism and dystonia syndromes. Diagnosis and therapy of Headaches and Neuropathic Pain.
2007 - 2014	MD. Electrophysiology and pharmacology of basal ganglia <i>in vitro</i> from rodent brain slice by means of patch-clamp and conventional sharp microelectrode techniques. Dept. of Systems Medicine, University of Rome "Tor Vergata" and Neurophysiology and Plasticity Lab., I.R.C.C.S. Santa Lucia Foundation, Rome (Italy). Supervisor: Pr. Antonio Pisani. <i>Specific areas of interest:</i> Characterization of intrinsic and synaptic properties of cholinergic interneurons and medium spiny neurons of striatum, and dopaminergic cells of <i>substantia nigra pars compacta</i> in physiologic condition and in animal models of Parkinson's disease, monogenic parkinsonisms (<i>Parkin</i> , <i>PINK1</i> , <i>DJ1</i> , <i>LRRK2</i>) and Primary Generalized Dystonia (<i>DYT1</i>).
2012 - 2014	Rater in Clinical Trials: <ul style="list-style-type: none"> - A Post Marketing Observational Study of Activities of Daily Living in Advanced Parkinson's Disease Patients with Early Troublesome Motor Fluctuations and Treated with Duodopa - a Multi-country Study (MONOTREAT). - Pisa syndrome in Parkinson disease: An observational multicenter Italian study. - Single centre, prospective observational study to evaluate the efficacy and safety profile of prolonged release oxycodone in combination with naloxone (OXN PR) in Parkinson's disease patients with chronic pain.

EDUCATION

09/2022 – 09/2023	Master degree (II level) in "Management Sanitario 4.0", Unitelma La Sapienza. Score 110/110 <i>cum laude</i> .
11/2014 – 02/2018	Doctor of Philosophy (PhD) in Neuroscience. PhD Neuroscience Program, University of Rome "Tor Vergata", Italy. In partnership with NIH – GPP (graduate partnership program) at National Institute on Drug Abuse (NIH-NIDA).

06/2009 – 07/2014	Resident in Neurology. Score 50/50 <i>cum laude</i> . Neurology Residency Program, Clinic of Neurology, University of Rome “Tor Vergata”, Italy.
11/2003 – 10/2008	Graduate School in Medicine and Surgery, MD. Score 110/110 <i>cum laude</i> . University of Rome “Tor Vergata”, Rome, Italy. Title of degree thesis: “Alterations of motor learning mechanisms in animal models of hereditary parkinsonisms”.
02/2009	Licence to Medical Practise. University of Rome “Tor Vergata”, Italy.

TEACHING EXPERIENCE

2022 - present	Spazio IRIS Course Title: Master in Dipendenze Patologiche
2022 - present	Scuola di Formazione ISAL per le Scienze algologiche – Fondazione ISAL Course Title: "Gestione del dolore nel paziente fragile", "Le Neuropatie Dolorose dalle Linee Guida alla Pratica Clinica"
2020 - 2023	Neurolite AG - Advanced Medical Solutions Course Title: NIBS Training Course
2019 - 2023	GEA Soluzioni Course Title: Corso residenziale teorico-pratico sulla stimolazione transcranica per applicazioni neurologiche e psichiatriche
2019 - 2020	Università degli Studi di Padova Dip. Di Scienze Cardio-Toraco- Vascolari e Sanità Pubblica Course Title: Master in Epidemiologia e conoscenza delle comunità A.A. 2019/20

PROFESSIONAL DEVELOPMENT

2024	Digital Neuro Hub Course, organized by Società Italiana di Neurologia (SIN) and Biogen. Roncade (TV), Italy. June 13– 16.
2024	MDS-ES Focused Workshop Diagnostic and Progression Biomarkers in Parkinson’s disease and atypical Parkinsonism. FOCUSED. February 29 – March 2, 2024. Padua, Italy.
2023	Chair scientific committee. “Sinergie cliniche e neuromodulazione: la stimolazione magnetica transcranica nei percorsi clinici integrati.” Congress, Milan, November 18, 2023
2023	National Scientific Committee Reviewer of Congress abstracts for the 60th Annual Meeting of the International Association of Forensic Toxicologists (TIAFT). Rome, Italy. August 27 - 31, 2023.
2020	Chair scientific committee, online course “La stimolazione magnetica transcranica nel trattamento delle dipendenze: nuove prospettive cliniche”. September 18, 25, October 2, 9, 2020. CME credits.

- 2013** COST-STSM (European Cooperation in Science and Technology - Short Term Scientific Mission): *“Training on neurophysiologic tools in diagnosis and treatment of Dystonia.”*
Dept. of Neurology, Pitié-Sapetrière Hospital and Neurophysiology Unit, Saint-Antoine Hospital, CRICM UPMC/INSERM UMR_S975 CNRS UMR7225 Institut de la Moelle et du Cerveau, Paris (FR) (Host and Supervisor: Pr. Marie Vidailhet; Tutor for neurophysiology Pr. Emmanuelle Apartis).
Main skills acquisition: neurophysiologic analysis of tremor, myoclonus and dystonia by using polygraphy technique coupled with accelerometry; botulinum toxin (BoNT) treatment in different forms of dystonia.
- 2013** Training Course “PRACTISE: Advanced Parkinson’s disease, implanting criteria for infusion pump of levo-dopa.” Brotzu Hospital, Cagliari – Italy.
- 2013** XI Training Course on diagnosis and therapy of Headaches and cranial-facial pain. Association for Headache School (Associazione per una Scuola delle Cefalee -ASC). Frascati, Italy.
- 2012** 5th Annual MDS-ES Summer School for Young Neurologists. Pitié Salpétrière Hospital – Paris (France).
- 2009** Training Program on “Basic Neuroscience”, promoted by Italian Society of Neurology. Education course for selected young neurologists who will become researchers in neuroscience field.
- 2007 - 2009** Senior Medical Student, Neurophysiology laboratory at Department of Neuroscience, University of Rome “Tor Vergata” and Neurophysiology and Plasticity laboratories, IRCSS Santa Lucia Foundation.

AWARDS AND HONORS

- 2024** AIIC AWARD 2024. Best Project presentation in “Innovazione e Servizi” Section. May 15th – 18th Rome, Italy
- 2019** FuturiZe project Bursary - Future Scenarios in Addictions, during the Third European Conference on Addictive Behaviours and Dependencies - Lisbon Addictions 2019. 23 – 25 October Lisboa Congress Centre, Portugal.
- 2017** FENS (Federation of European Neuroscience Societies) Travel Award for participating in Neuroscience 2017. November 11th – 15th in Washington DC (USA).
- 2017** Best Scientific Poster. Department of Neurology Research Retreat 2017. Johns Hopkins Medicine. May 15th, 2017. Baltimore (MD), USA.
- 2015** MDS Travel Grant for the 19th International Congress of Parkinson’s Disease and Movement Disorders, June 14-18, 2015 in San Diego (CA), USA.

2014	IBRO International Travel Grant for the Neuroscience 2014 meeting, November 15 -19, Washington DC (U.S.).
2014	MDS Travel Grant for the 18th International Congress of Parkinson's Disease and Movement Disorders, June 8-12, 2014 in Stockholm, Sweden.
2013	XLIV SIN Meeting, 2-5 November 2013, Milan – Italy. Award for the best poster presentation. Abstract title: "Heterozygous mutations in the PINK1 gene induce subtle alterations in dopamine-dependent striatal synaptic plasticity".
2013	COST (European Cooperation in Science and Technology) Action BM1101 award for STSM (Short Term Scientific Mission). Project title: <i>"Training on neurophysiologic tools in diagnosis and treatment of Dystonia."</i> Period: from 30.09.2013 to 03.11.2013.
2013	XLIV SIN Meeting, "Progetto Giovani" fellowship, 2-5 November 2013, Milan – Italy. Abstract title: "Heterozygous mutations in the PINK1 gene induce subtle alterations in dopamine-dependent striatal synaptic plasticity".
2012	XLIII SIN Meeting, "Progetto Giovani" fellowship, 6-9 October 2012, Rimini – Italy. Abstract title: "Cholinergic dysfunction distorts synaptic integration between corticostriatal and thalamostriatal pathways in a model of DYT1 dystonia".
2011	XLII SIN Meeting, "Progetto Giovani" fellowship, 22-25 October 2011, Torino – Italy. Abstract title: "Aberrant synaptic plasticity as a candidate endophenotype in monogenic parkinsonisms".
2010	XXXVII LIMPE National Meeting, "Progetto Giovani e Ricerca" fellowship, 1-3 October 2010, Cagliari – Italy. Abstract title: "Abnormal cholinergic neurotransmission as a potential endophenotype in DYT1 dystonia".
2009	Fellowship for Training Program "Basic Neuroscience", 9-11 November 2009, Rome – Italy.
2009	Degree Award "Sebastiano and Rita Raeli" for outstanding medical students. University of Rome "Tor Vergata". Rome, Italy.

MEMBERSHIPS

2010 - present	Italian Society of Neurology (SIN).
2012 - present	International Parkinson disease and Movement Disorder Society (MDS).
2014 - 2019	Society for Neuroscience (SfN).
2016 - 2019	American Academy of Neurology (ANA).
2017 - 2021	Federation of European Neuroscience Societies (FENS).

2017 - 2021

Società Italiana di Neuroscienze (SINS).

REVIEWER AND EDITORIAL ACTIVITY

2014 - present

Frontiers in Neurology

2014 - present

Hindawi Publishing Corporation

2016 - present

Parkinson's UK, European Journal of Neuroscience,
Neuroscience and Behavioral Reviews.

2017 – present

Lead Associate Editor for Frontiers in Neurology

2018 - 2019

Lead Editor, Frontiers in Movement disorder, Research Topic:
"Modelling Parkinson's disease: bridging the translational gap."

LANGUAGE, COMPUTER AND TECHNICAL SKILLS

- Italian: native language
- English: Excellent in listening, speaking and writing.
- French: Excellent in listening, speaking and writing.
- Electrophysiological recordings from brain slice preparations, both conventional sharp microelectrode and whole-cell patch-clamp recordings.
- Polygraphic recordings of tremor, myoclonus, dystonia. Botulinum toxin injections. Transcranial Magnetic Stimulation.
- Excellent knowledge in P-clamp, MiniAnalysis, CorelDraw, Microsoft Word, Excel, Power Point, OS system, Graphpad 8, Origin.

Publications 2021 - 2024

1. **Madeo G**, Bonci A. Driving innovation in addiction treatment: role of transcranial magnetic stimulation. *J Neural Transm (Vienna)*. 2024 Jan 17. doi: 10.1007/s00702-023-02734-2. Epub ahead of print. PMID: 38233662.
2. Outeiro TF, Alcalay RN, Antonini A, Attems J, Bonifati V, Cardoso F, Chesselet MF, Hardy J, **Madeo G**, McKeith I, Mollenhauer B, Moore DJ, Rascol O, Schlossmacher MG, Soreq H, Stefanis L, Ferreira JJ. Defining the Riddle in Order to Solve It: There Is More Than One "Parkinson's Disease". *Mov Disord*. 2023 Jul;38(7):1127-1142. doi: 10.1002/mds.29419. Epub 2023 May 8. PMID: 37156737.
3. **Madeo G**, Kapoor A, Giorgetti R, Busardò FP, Carlier J. Update on Cannabidiol Clinical Toxicity and Adverse Effects: A Systematic Review. *Curr Neuropharmacol*. 2023;21(11):2323-2342. doi: 10.2174/1570159X21666230322143401. PMID: 36946485; PMCID: PMC10556379.
4. He Y, **Madeo G**, Liang Y, Zhang C, Hempel B, Liu X, Mu L, Liu S, Bi GH, Galaj E, Zhang HY, Shen H, McDevitt RA, Gardner EL, Liu QS, Xi ZX. A red nucleus-VTA glutamate pathway underlies exercise reward and the therapeutic effect of exercise on cocaine use. *Sci Adv*. 2022 Sep 2;8(35):eabo1440. doi: 10.1126/sciadv.abo1440. Epub 2022 Sep 2. PMID: 36054363; PMCID: PMC10848951.
5. Mioni G, Sanguin N, **Madeo G**, Cardullo S. Time Perception in Cocaine-Dependent Patients. *Brain Sci*. 2022 Jun 6;12(6):745. doi: 10.3390/brainsci12060745. PMID: 35741630; PMCID: PMC9220971.
6. Cuppone D, Gomez-Perez L, Cardullo S, Soldatesca S, Chindamo S, **Madeo G**, Gallimberti G. The role of repetitive Transcranial Magnetic Stimulation (rTMS) in the treatment of behavioral addictions: two case reports and review of the literature. *Journal of Behavioral Addictions* 2021.
7. Rotolo MC, Pacifici R, Pellegrini M, Cardullo S, Gomez-Perez LJ, Cuppone D, Gallimberti L, Madeo G. Hair Testing for Classic Drugs of Abuse to Monitor Cocaine Use Disorder in Patients Following Transcranial Magnetic Stimulation Protocol Treatment. *Biology* 2021, 10(5), 403. doi.org/10.3390/biology10050403
8. Cardullo S, Gomez-Perez LJ, Cuppone D, Sarlo M, Cellini N, Terraneo A, Gallimberti G, **Madeo G**. A retrospective comparative study in patients with Cocaine Use Disorder (CocUD) comorbid with Attention deficit hyperactivity disorder (ADHD) undergoing an rTMS protocol treatment. *Front. Psychiatry*. 2021 doi: 10.3389/fpsyt.2021.659527
9. Bikson M, Hanlon CA, Woods AJ, Gillick BT, Charvet L, Lamm C, **Madeo G**, Holczer A, Almeida J, Antal A, Reza Ay IM, Baeken C, Blumberger DM, Campanella S, Camprodon JA, Christiansen L, Loo C, Crinion JT, Fitzgerald P, Gallimberti L, Ghobadi-Azbari P, Ghodratoostani I, Grabner RH, Hartwigsen G, Hirata A, Kirton A, Knotkova H, Krupitsky E, Marangolo P, Nakamura-Palacios EM, Weronika Potok W, Samir K. Praharaj SK, Ruff CC, Schlaug G, Siebner HR, J. Stagg CJ, Thielscher A, ar, Wenderoth N, Yuan TF, Zhang X, Ekhtiari H. Guidelines for TMS/tES clinical services and research through the COVID-19 pandemic. *Brain Stimul*. Jul-Aug 2020;13(4):1124-1149. doi: 10.1016/j.brs.2020.05.010 <https://pubmed.ncbi.nlm.nih.gov/32413554/> – 2020
10. Gómez Pérez LJ, Cardullo S, Cellini N, Sarlo M, Monteanni T, Bonci A, Terraneo A, Gallimberti L, **Madeo G**. Sleep quality improves during treatment with repetitive transcranial magnetic stimulation (rTMS) in patients with cocaine use disorder: a retrospective observational study. *BMC Psychiatry*. 2020;20(1):153. doi: 10.1186/s12888-020-02568-2.
11. **Madeo G**, Terraneo A, Cardullo S, Gómez Pérez LJ, Cellini N, Sarlo M, Bonci A and Gallimberti L (2020). Long-Term Outcome of Repetitive Transcranial Magnetic Stimulation in a Large Cohort of Patients With Cocaine-Use Disorder: An Observational Study. *Front. Psychiatry* 11:158. doi: 10.3389/fpsyt.2020.00158
12. Imbriani P, Tassone A, Meringolo M, Ponterio G, **Madeo G**, Pisani A, Bonsi P, Martella G. Loss of Non-Apoptotic Role of Caspase-3 in the PINK1 Mouse Model of Parkinson's Disease. *Int J Mol Sci*. 2019;20(14).
13. Ekhtiari H, Tavakoli H, Addolorato G, Baeken C, Bonci A, ampanella S, Castelo-Branco L, Challet-Bouju G, Clark VP, Claus E, Dannon PN, Del Felice A, den Uyl T, Diana M, di

- Giannantonio M, Fedota JR, Fitzgerald P, Gallimberti L, Grall-Bronnec M, Herremans SC, Herrmann MJ, Jamil A, Khedr E, Kouimtsidis C, Kozak K, Krupitsky E, Lamm C, Lechner WV, **Madeo G**, Malmir N, Martinotti G, McDonald WM, Montemitro C, Nakamura-Palacios EM, Nasehi M, Noël X, Nosratabadi M, Paulus M, Pettorruso M, Pradhan B, Prahraj SK, Rafferty H, Sahlem G, Salmeron BJ, Sauvaget A, Schluter RS, Sergiou C, Shahbabaie A, Sheffer C, Spagnolo PA, Steele VR, Yuan TF, van Dongen JDM, Van Waes V, Venkatasubramanian G, Verdejo-García A, Verveer I, Welsh JW, Wesley MJ, Witkiewitz K, Yavari F, Zarrindast MR, Zawertailo L, Zhang X, Cha YH, George TP, Frohlich F, Goudriaan AE, Fecteau S, Daughters SB, Stein EA, Fregni F, Nitsche MA, Zangen A, Bikson M, Hanlon CA. Transcranial electrical and magnetic stimulation (tES and TMS) for addiction medicine: A consensus paper on the present state of the science and the road ahead. *Neurosci Biobehav Rev.* 2019; 104:118-140.
14. Cardullo S, Gomez-Perez LJ, Marconi L, Terraneo A, Gallimberti L, Bonci A, **Madeo G**. Clinical Improvements in Comorbid Gambling/Cocaine Use Disorder (GD/CUD) patients Undergoing Repetitive Transcranial Magnetic Stimulation (rTMS). *J. Clin. Med.* 2019, 8, 768; doi:10.3390/jcm8060768.
 15. **Madeo G**, Bonci A. Rewiring the Addicted Brain: Circuits-Based Treatment for Addiction. *Cold Spring Harb Symp Quant Biol.* 2019 May 16. PMID: 31097615.
 16. Shen H, Marino RAM, McDevitt RA, Bi GH, Chen K, **Madeo G**, Lee PT, Liang Y, De Biase LM, Su TP, Xi ZX, Bonci A. Genetic deletion of vesicular glutamate transporter in dopamine neurons increases vulnerability to MPTP-induced neurotoxicity in mice. *Proc Natl Acad Sci U S A.* 2018 Nov 15.
 17. Ferrazzoli D, Orтели P, **Madeo G**, Giladi N, Petzinger GM, Frazzitta G. Basal ganglia and beyond: The interplay between motor and cognitive aspects in Parkinson's disease rehabilitation. *Neurosci Biobehav Rev.* 2018 May 4;90:294-308. doi: 10.1016/j.neubiorev.2018.05.007.

Publications 2016 – 2011

18. Schirinzi T, Martella G, D'Elia A, Di Lazzaro G, Imbriani P, **Madeo G**, Monaco L, Maltese M, Pisani A. Outlining a Population "at Risk" of Parkinson's Disease: Evidence from a Case-Control Study. *Parkinsons Dis.* 2016; 2016:9646057. doi: 10.1155/2016/9646057.
19. Martella G, **Madeo G***, Maltese M, Vanni V, Puglisi F, Ferraro E, Schirinzi T, Valente EM, Bonanni L, Shen J, Mandolesi G, Mercuri NB, Bonsi P, Pisani A. Exposure to low-dose rotenone precipitates synaptic plasticity alterations in PINK1 heterozygous knockout mice. *Neurobiol Dis.* 2016;91:21-36. doi: 10.1016/j.nbd.2015.12.020. (*Co-first author).
20. Schirinzi T, **Madeo G***, Martella G, Maltese M, Picconi B, Calabresi P, Pisani A. Early synaptic dysfunction in Parkinson's disease: Insights from animal models. *Mov Disord.* 2016;31(6):802-13. doi: 10.1002/mds.26620. (*Co-first author).
21. **Madeo G**, Schirinzi T, Maltese M, Martella G, Rapino C, Fezza F, Mastrangelo N, Bonsi P, Maccarrone M, Pisani A. Dopamine-dependent CB1 receptor dysfunction at corticostriatal synapses in homozygous PINK1 knockout mice. *Neuropharmacology.* 2016;101:460-70. doi: 10.1016/j.neuropharm.2015.10.021.
22. Tinazzi M, Fasano A, Geroin C, Morgante F, Ceravolo R, Rossi S, Thomas A, Fabbrini G, Bentivoglio A, Tamma F, Cossu G, Modugno N, Zappia M, Volontè MA, Dallochio C, Abbruzzese G, Pacchetti C, Marconi R, Defazio G, Canesi M, Cannas A, Pisani A, Mirandola R, Barone P, Vitale C; Italian Pisa Syndrome Study Group. Pisa syndrome in Parkinson disease: An observational multicenter Italian study. Collaborators: Allocca R, Altavilla T, Bisoffi G, Bombieri F, Bove F, Bovi T, Cerbarano L, Cordano C, Di Giacomo R, Di Stefano F, Erro R, Gallerini S, Gandolfi M, Gigante AF, Juergenson I, Lena F, Leocani LM, Lucchese V, Madeo G, Mazzucchi S, Moccia M, Nicoletti A, Ottaviani S, Pezzoli G, Pozzi N, Ricciardi L, Santangelo G, Sarchioto M, Schena F, Sciarretta M, Smania N, Solla P, Spagnolo F, Ulivelli M. *Neurology.* 2015;85(20):1769-79. doi: 10.1212/WNL.0000000000002122.
23. **Madeo G**, Schirinzi T, Natoli S, Pierantozzi M, Stefani A, Dauri M, Pisani A. Efficacy and safety profile of prolonged release oxycodone in combination with naloxone (OXN PR)

- in Parkinson's disease patients with chronic pain. *J Neurol.* 2015;262(9):2164-70. doi: 10.1007/s00415-015-7823-3.
24. Schirinzi T, Sancesario GM, Ialongo C, Imbriani P, **Madeo G**, Toniolo S, Martorana A, Pisani A. A clinical and biochemical analysis in the differential diagnosis of idiopathic normal pressure hydrocephalus. *Front Neurol.* 2015;6:86.
 25. Maltese M, Martella G, **Madeo G**, Fagiolo I, Tassone A, Ponterio G, Sciamanna G, Burbaud P, Conn PJ, Bonsi P, Pisani A. Anticholinergic drugs rescue synaptic plasticity in DYT1 dystonia: role of M1 muscarinic receptors. *Mov Disord.* 2014;29(13):1655-65.
 26. Sciamanna G, Ponterio G, Tassone A, Maltese M, **Madeo G**, Martella G, Poli S, Schirinzi T, Bonsi P, Pisani A. Negative allosteric modulation of mGlu5 receptor rescues striatal D2 dopamine receptor dysfunction in rodent models of DYT1 dystonia. *Neuropharmacology.* 2014;85:440-50.
 27. Martella G, Maltese M, Nisticò R, Schirinzi T, **Madeo G**, Sciamanna G, Ponterio G, Tassone A, Mandolesi G, Vanni V, Pignatelli M, Bonsi P, Pisani A. Regional specificity of synaptic plasticity deficits in a knock-in mouse model of DYT1 dystonia. *Neurobiol Dis.* 2014;65:124-32.
 28. **Madeo G**, Schirinzi T, Martella G, Latagliata EC, Puglisi F, Shen J, Valente EM, Federici M, Mercuri NB, Puglisi-Allegra S, Bonsi P, Pisani A. PINK1 heterozygous mutations induce subtle alterations in dopamine-dependent synaptic plasticity. *Mov Disord.* 2014;29(1):41-53.
 29. **Madeo G**, Alemseged F, Di Pietro B, Schillaci O, Pisani A. Early abnormalities in 123I-ioflupane (DaTSCAN) imaging in the fragile X-associated tremor ataxia syndrome (FXTAS): a case report. *Neurol Sci.* 2013;34(8):1475-7.
 30. Sciamanna G, Tassone A, Mandolesi G, Puglisi F, Ponterio G, Martella G, **Madeo G**, Bernardi G, Standaert DG, Bonsi P, Pisani A. Cholinergic dysfunction alters synaptic integration between thalamostriatal and corticostriatal inputs in DYT1 dystonia. *J Neurosci.* 2012;32(35):11991-2004.
 31. Sciamanna G, Tassone A, Martella G, Mandolesi G, Puglisi F, Cuomo D, **Madeo G**, Ponterio G, Standaert DG, Bonsi P, Pisani A. Developmental profile of the aberrant dopamine D2 receptor response in striatal cholinergic interneurons in DYT1 dystonia. *PLoS One.* 2011;6(9):e24261.
 32. **Madeo G**, Martella G, Schirinzi T, Ponterio G, Shen J, Bonsi P, Pisani A. Aberrant striatal synaptic plasticity in monogenic parkinsonisms. *Neuroscience.* 2012;211:126-35.
 33. Tassone A, **Madeo G**, Schirinzi T, Vita D, Puglisi F, Ponterio G, Borsini F, Pisani A, Bonsi P. Activation of 5-HT6 receptors inhibits corticostriatal glutamatergic transmission. *Neuropharmacology.* 2011;61(4):632-7.
 34. Cicconi L, **Madeo G**, Ramadan SM, Forte V, Mercuri N, Lo-Coco F. Transient ischemic attack as initial manifestation of acute promyelocytic leukemia. *Leuk Res.* 2011;35(7):e134-5.
 35. Pisani V, **Madeo G***, Tassone A, Sciamanna G, Maccarrone M, Stanzione P, Pisani A. Homeostatic changes of the endocannabinoid system in Parkinson's disease. *Mov Disord.* 2011 Feb 1;26(2):216-22. (*Co-first author).
 36. Bonsi P, Cuomo D, Martella G, **Madeo G**, Schirinzi T, Puglisi F, Ponterio G, Pisani A. Centrality of striatal cholinergic transmission in Basal Ganglia function. *Front Neuroanat.* 2011;5:6.
 37. Martella G, **Madeo G**, Schirinzi T, Tassone A, Sciamanna G, Spadoni F, Stefani A, Shen J, Pisani A, Bonsi P. Altered profile and D2-dopamine receptor modulation of high voltage-activated calcium current in striatal medium spiny neurons from animal models of Parkinson's disease. *Neuroscience.* 2011;177:240-51.
 38. Tassone A, **Madeo G**, Sciamanna G, Pisani A, Bonsi P. Electrophysiology of 5-HT6 receptors. *Int Rev Neurobiol.* 2010;94:111-28.
 39. Cuomo D, Martella G, Barabino E, Platania P, Vita D, **Madeo G**, Selvam C, Goudet C, Oueslati N, Pin JP, Acher F, Pisani A, Beurrier C, Melon C, Kerkerian-Le Goff L, Gubellini P. Metabotropic glutamate receptor subtype 4 selectively modulates both glutamate and GABA transmission in the striatum: implications for Parkinson's disease treatment. *J Neurochem.* 2009;109(4):1096-105.

40. Martella G, Bonsi P, Sciamanna G, Platania P, **Madeo G**, Tassone A, Cuomo D, Pisani A. Seletacetam (ucb 44212) inhibits high-voltage-activated Ca²⁺ currents and intracellular Ca²⁺ increase in rat cortical neurons in vitro. *Epilepsia*. 2009;50(4):702-10.
41. Bonsi P, Platania P, Martella G, **Madeo G**, Vita D, Tassone A, Bernardi G, Pisani A. Distinct roles of group I mGlu receptors in striatal function. *Neuropharmacology*. 2008;55(4):392-5.

Book Chapters

1. **Madeo G**, Cardullo S, Gomez-Perez LJ, Terraneo A, Gallimberti L, Bonci A. Therapeutic Use of Noninvasive Neuromodulation for Addictions. Book Chapter 75. *Addiction Medicine : Science and Practice*. Elsevier Health Sciences, 2019. ISBN : 0323680534, 9780323680530.
2. **Madeo G**, Pisani A. Capitolo: "Pathophysiology of Dystonia". Titolo volume: *Handbook of Basal ganglia Structure and Functions*. Elsevier 2016. Editors: Heinz Steiner, Kuei Tseng, eBook ISBN: 9780128025260.
3. **Madeo G**, Mercuri NB. Capitolo 24. Turbe della sensorialità in auto: effetti del fumo e dell'alcool. Titolo libro: *Fisiologia clinica alla guida*. A cura di A. Ferrario – Edizioni Piccin 2015. pp. 243-253. ISBN: 978-88-299-2710-4.
4. **Madeo G**, Sancesario G. Edema della papilla ottica nell'ipertensione endocranica benigna: diagnosi e terapia. pp. 243 – 250. Titolo volume: *La Via Ottica dalle Origini alla Contemporaneità*.

Oral communication and Invited Speaker

- **Madeo G**. "Nuove frontiere per il trattamento del Disturbo da Uso di cocaina: outcome clinici e follow-up." 19 Congresso Nazionale della Società Italiana di Tossicologia – SITOX 2020. 11 – 12 febbraio 2020, Bologna, Italy.
- **Madeo G**. "Transcranial Magnetic Stimulation (TMS)" Third European Conference on Addictive Behaviours and Dependencies - Lisbon Addictions 2019. 23 – 25 October Lisboa Congress Centre, Portugal.
- **Madeo G**. "Medicina di precisione e Trattamento con Stimolazione Magnetica Transcranica nelle dipendenze". Corso teorico-pratico sulle tecniche di Neurostimolazione non invasiva. 28-29 June 2019. Turin, Italy. *Invited Speaker*.
- **Madeo G**. "Challenges and Opportunities in creating rodent models of rTMS for Addiction Medicine". 7th Mediterranean Neuroscience Conference, 23-27 June 2019. Marrakech, Marocco. *Invited Speaker*.
- **Madeo G**. "Transcranial Magnetic Stimulation for Addiction Medicine: focus on Cocaine Use Disorders (CUDs)". 5th Training Course 2019 on Non-Invasive Brain Stimulation. 7 – 8 May 2019. Berne, Switzerland. *Invited Speaker*.
- **Madeo G**. "Dall'optogenetica alla stimolazione magnetica transcranica come nuovo trattamento per la dipendenza da cocaina". Symposium on *Le nuove droghe sintetiche*. Parma, 8-9 October 2018. *Invited Speaker*
- **Madeo G**. "Optogenetica, plasticità sinaptica e neurobiologia delle dipendenze". Symposium on *Craving e disturbi da addiction*. Milano, 4-5 October 2018. *Invited Speaker*.
- **Madeo G**, Ferrazzoli D, Ortelli P, Zivi I, Cian V, Urso E, Ghilardi MF, Maestri R, Frazzitta G. "Efficacy of Intensive Multidisciplinary Rehabilitation in Parkinson's disease: a randomized controlled study". Oral Communication, LVIII Congresso Nazionale SNO - Riccione, 2-5 maggio 2018.
- **Madeo G**, Maltese M, Shen J, Valente EM, Federici M, Mercuri NB, Shibata A, Smith Y, Bonsi P, Pisani A. "PINK1 gene mutation differentially impair striatal dopamine-depedent synaptic plasticity." Oral communication, invited speaker. *Neuroscience 2015, October 16-21 2015. Chicago (IL, USA)*.
- **Madeo G**, Maltese M, Shen J, Valente EM, Federici M, Mercuri NB, Shibata A, Smith Y, Bonsi P, Pisani A. "PINK1 gene mutation differentially impair striatal dopamine-depedent synaptic plasticity." Oral communication, invited speaker.

25th Neuropharmacology Conference, October 15-16 2015. Chicago (IL, USA).

- **Madeo G.** An unusual case of paroxysmal dyskinesia.
Young in movement disorders 2014, Naples (Italy), 11-12 April 2014.

Poster Presentation

- Cardullo S, Gomez Perez JL, Epstein D, Cellini N, Monteanni T, Terraneo A, Bonci A, Gallimberti L, **Madeo G.** Sleep quality in patients with cocaine use disorder undergoing repetitive Transcranial Magnetic Stimulation (rTMS). *3rd International Brain Stimulation Conference, Vancouver, Canada 24 -27 February 2019.*
- Gomez Perez LJ, Epstein D, Cardullo S, Cellini N, Sarlo M, Terraneo A, Bonci A, Gallimberti L, **Madeo G.** Long-term follow-up of cocaine-use patterns in CUD patients undergoing repetitive Transcranial Magnetic Stimulation treatment. *3rd International Brain Stimulation Conference, Vancouver, Canada 24 -27 February 2019.*
- **Madeo G,** Mao X, Yasui Y, Marino RAM, Mercuri NB, Pisani A, Dawson VL, Dawson TM, Bonci A. "α-Synuclein preformed fibrils (αSyn-PFFs) differentially shape the intrinsic and synaptic plasticity of midbrain dopaminergic neurons." *Gordon Research Conference: Parkinson's disease. Colby Sawyer College, New London (NH, USA). June 25 - 30 June 2017.*
- **Madeo G,** Mao X, Yasui Y, Marino RAM, Mercuri NB, Pisani A, Dawson VL, Dawson TM, Bonci A. "α-Synuclein preformed fibrils (αSyn-PFFs) differentially shape the intrinsic and synaptic plasticity of midbrain dopaminergic neurons." *Neuroscience 2017, November 11-1,5 2017. Washington (DC, USA).*
- **Madeo G,** Maltese M, Shen J, Valente EM, Federici M, Mercuri NB, Shibata A, Smith Y, Bonsi P, Pisani A. "PINK1 gene mutation differentially impair striatal dopamine-depedent synaptic plasticity." *Gordon Research Conference: Parkinson's disease. Colby Sawyer College, New London (NH, USA). June 28 - July 03, 2015*
- **Madeo G,** Schirinzi T, Natoli S, Pierantozzi M, Stefani A, Dauri M, Pisani A. Efficacy and safety of prolonged release oxycodone in combination with naloxone (OXN PR) in Parkinson's disease patients with chronic pain. *19th International Congress of Parkinson's disease and Movement Disorders, San Diego (CA, USA), June 14-18, 2015*
- **Madeo G,** Martella G, Schirinzi T, Ponterio G, Tassone A, Mandolesi G, Vanni V, Pignatelli M, Nisticò R, Bonsi P, Pisani A. "Cross-species validation of electrophysiological abnormalities in distinct rodent models of DYT1 dystonia." *Neuroscience 2014, Washington DC (USA), 15-19 November 2014*
- **Madeo G,** Schirinzi T, Puglisi F, Martella G, Shen J, Valente EM, Federici M, Mercuri NB, Bonsi P, Pisani A. "Heterozygous mutations in parkinsonism-linked gene PINK1 induce subtle alterations in dopamine-dependent striatal synaptic plasticity". *Neuroscience 2013, San Diego (USA), 9-13 November 2013.*
- **Madeo G,** Schirinzi T, Maltese M, Martella G, Shen J, Valente EM, Fezza F, Maccarrone M, Pisani A. "Cannabinoid CB₁ receptor dysfunction alters synaptic activity and plasticity in PINK1-deficient mice." *23rd Neuropharmacology Conference, San Diego (USA), 7-8 November 2013.*
- **Madeo G,** Schirinzi T, Alemseged F, Maltese M, Martella G, Shen J, Valente EM, Federici M, Mercuri NB, Bonsi P, Pisani A. "Heterozygous mutations in the PINK1 gene induce subtle alterations in dopamine-dependent striatal synaptic plasticity". *XLIV SIN Meeting, 2-5 November 2013, Milan – Italy.*
- **Madeo G,** Scirinzi T, Alemseged F, Pisani A. "Evaluation of analgesic effectiveness of oxycodone/naloxone prolonged release (OXN RP) versus gabapentin in Parkinson's disease (PD) patients with central chronic pain." *II LIMPE/DISMOV Meeting, 9-11 October 2013, Rome – Italy.*
- **Madeo G,** Sciamanna G, Puglisi F, Mandolesi G, Tassone A, Schirinzi T, Standaert DG, Pisani A. "Cholinergic dysfunction distorts synaptic integration between corticostriatal and thalamostriatal pathways in a model of DYT1 dystonia."

- *XLIII SIN Meeting, October 2012, Rimini – Italy.*
- **Madeo G**, Pierantozzi M, Ricci F, Marziali S, Schirinzi T, Pisani A, Sancesario G. "Pseudotumor cerebri associated with acute macular neuroretinopathy: a new and treatable syndrome."
- *XLII SIN Meeting, October 2012, Rimini – Italy.*
- **Madeo G.**, Alemseged F., Maltese M., Schirinzi T., Martella G., Valente E.M., Puglisi F., Shen J., Pisani A. "Corticostriatal synaptic plasticity in PINK1 heterozygous mice: effects of mitochondrial complex I inhibition".
- *The MDS 16th International Congress of Parkinson's Disease and Movement Disorders, Dublin, 2012.*
- Schirinzi T., **Madeo G.**, Martella g., Maltese M., Riess O., Grundmann K., Pisani A. "Impaired synaptic plasticity and cholinergic dysfunction in the striatum of a novel rat model of DYT1 dystonia".
- *The MDS 16th International Congress of Parkinson's Disease and Movement Disorders, Dublin, 2012.*
- **Madeo G.**, Martella G., Schirinzi T., Ponterio G., Shen J., Bonanni L., Pisani A. "Aberrant synaptic plasticity as a candidate endophenotype in monogenic parkinsonisms".
- *XLII SIN Meeting, October 2011, Torino – Italy.*
- **Madeo G.**, Cuomo D., Sciamanna G., Mandolesi G., Martella G., Bonsi P., Standaert D.G., Pisani A. "Abnormal cholinergic neurotransmission as a potential endophenotype in DYT1 dystonia".
- *IBAGS X 2010, New York.*

"La sottoscritta GRAZIELLA MADEO Consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiaro che le informazioni riportate nel curriculum vitae allegato, corrispondono a verità. Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali".

Pesaro, 9 settembre 2024