

**Curriculum Vitae  
Europass**



**Personal information**

Surname / First name **Suppa Antonio**

Title **MD, PhD, Assistant Professor in Neurology  
Board-certified Associate Professor in Neurology**

Publications:	80
Books, eBook, Chapters:	7
Total Impact Factor:	327.1
Total citations:	1684 (Scopus)
	2322 (Google Scholar)
H-Index:	22 (Scopus)
	27 (Google Scholar)
Normalized H index*	1.69* (Google Scholar)
	1.38* (Scopus)

\* academic seniority

**Desired employment /  
Occupational field**

**Experimental and Clinical Neuroscience,  
Movement Disorders**

**Work Experience  
(Research Activity)**

Dates **28/03/2017 – present**  
**Board-certified Associate Professor in Neurology**, Assistant Professor in Neurology, Department of Human Neuroscience, Sapienza University of Rome, Italy

Dates	2014 – Present Status
Position held	Assistant Professor in Neurology, Department of Human Neuroscience, Sapienza University of Rome, Italy
Dates	2010 – 2014
Position held	Post-doc Research Fellow in Experimental and Clinical Neuroscience, Department of Neurology and Psychiatry, and Neuromed Institute, Sapienza University of Rome, Viale dell'Università 30, 00185 Rome, Italy
Dates	2007 - 2010
Position held	PhD student in Experimental and Clinical Neuroscience - Research Fellow, Department of Neurology and Psychiatry, and Neuromed Institute, Sapienza University of Rome, Viale dell'Università 30, 00185 Rome, Italy
Dates	2006 - 2007
Position held	Research Fellow, Sobell Department of Motor Neuroscience and Movement disorders, Institute of Neurology, University College of London, Queen Square, London WC1N 3BG, United Kingdom, (Prof. JC Rothwell, <a href="mailto:j.rothwell@ion.ucl.ac.uk">j.rothwell@ion.ucl.ac.uk</a> )
Dates	2002 - 2007
Position held	Residency in Neurology, Department of Neurolog and Psychiatry, and Neuromed Institute, Sapienza University of Rome, Viale dell'Università 30, 00185 Rome, Italy

### **Work Experience (Clinical Activity)**

Dates	2007 - Present Status
Position held	Neurologist – Consultant, Outpatient Clinic for Movement Disorders and Day Hospital – Injection of Botulinum Toxin Department of Neurology and Psychiatry, and Neuromed Institute, Sapienza University of Rome,
Type of business or sector	Diagnosis and therapy of movement disorders
Dates	2007 – Present Status
Position held	Neurologist – Consultant in Clinical Neurophysiology Electromyography and evoked potentials, Department of Clinical Neurophysiology, Neuromed Institute, Pozzilli (IS), Italy

Type of business or sector Clinical Neurophysiology

## Education

Dates 2007 – 2010

Title of qualification awarded PhD student in Experimental and Clinical Neuroscience

Principal subjects/occupational skills covered Investigating mechanisms of short-term and long-term synaptic plasticity in primary motor cortex with the transcranial magnetic stimulation (TMS) technique in healthy subjects and in patients with different types of movement disorders.

Name and type of organisation providing education and training Department of Neurology and Psychiatry, and Neuromed Institute, Sapienza University of Rome, Viale dell'Università 30, 00185 Rome, Italy

Level in national or international classification PhD

Dates 2002 - 2007

Title of qualification awarded Residency in Neurology (Summa cum laude)

Principal subjects/occupational skills covered Pathophysiology, Diagnosis and Treatment of movement disorders

Name and type of organisation providing education and training Department of Neurology and Psychiatry, and Neuromed Institute, Sapienza University of Rome, Viale dell'Università 30, 00185 Rome, Italy

Level in national or international classification Residency

Dates 1996 - 2002

Title of qualification awarded Master Degree in Medicine and Surgery (Summa cum laude)

Principal subjects/occupational skills covered Neurophysiology, Neurology, Movement Disorders

Name and type of organisation providing education and training Faculty of Medicine and Surgery, Sapienza University of Rome, Italy

Level in national or international classification Master Degree

## Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment

European level (\*)

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

## Grants, Awards, and Honors

- 2008 **Co-winner** of "Queen Square Prize 2008", Institute of Neurology, University College of London, and National Hospital for Neurology & Neurosurgery, Queen Square, London, UK. Title of the research: "Stimulation Genomics: Probing the effects of Genetic Variation on Human Cortical Plasticity and its Clinical Implications."
- 2008 **Associate Faculty Member**, "Faculty of 1000 Medicine", section "Neurological Disorders - Movement Disorders"
- 2009 **Co-winner** "Junior Awards 2009 - Basic Science", The Movement Disorder Society's 13th International Congress of Parkinson's Disease and Movement Disorders, Chicago, USA, June 7-11, 2009. Title of the research: "Stimulation genomics: Identifying functional polymorphisms modulating LTP and LTD in human cerebral cortex and implications for levodopa induced dyskinesia in Parkinson's disease."
- 2010 **Winner** of "Best Young Researcher 2010", Italian Society of Clinical Neurophysiology (SINC), Siena, Italy, 13-15 Maggio, 2010. Title of the research: "Dopamine influences primary motor cortex plasticity and dorsal premotor-motor connectivity in Parkinson's disease."
- 2010 **Winner** of "The 2010 Travel Grants Award Program", 14th International Congress of Parkinson's Disease and Movement Disorders, June 13-17, Buenos Aires, Argentina. Title of the research: "Plastic changes in human motor cortex induced by repetitive Ad laser inputs paired with transcranial magnetic stimulation".
- 2010-2012 **Post-doc fellowship**, Department of Neurology and Psychiatry, Sapienza University of Rome, Italy. Title of the research project: "Studio della plasticità delle aree corticali motorie nei soggetti sani e nei pazienti con disordini del movimento".
- 2011-2012 **Co-winner**, "Research Grant Awards 2011-2012", The Tourette Syndrome Association, Inc, New York, USA. Title of the research: "Synaptic plasticity in primary motor cortex and brainstem in Gilles de la Tourette Syndrome."
- 2011-2016 **Member of the Medical Commission**, Dipartimento Nucleare, Rischio Tecnologico e Industriale, Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA).
- 2012 **Winner** of "EFNS Tournament for Young Neurologists - Runner-up Prize", 16th Congress of the European Federation of Neurological Societies, Stockholm, Sweden, September 8-11, 2012. Title of the research: "Impaired primary motor cortex LTP/LTD-like plasticity in multiple system atrophy."
- 2012 **Co-winner** "Sapienza Ricerca-Bando Ateneo 2012", title of the research "New method of assessing cortical processes of pain-motor integration. A study in healthy subjects and patients with diabetic neuropathy or dystonia."
- 2012 **Co-winner** "PREMIO ARD DISTONIA", XLII Congresso Società Italiana di Neurologia SIN 2012, Rimini, 6-9 October 2012. Title of the research "Stress coping and attachment style in patients with cervical dystonia."
- 2010-2013 **Executive Committee** of the Italian Society of Movement Disorders (DISMOV-SIN)
- 2012-2014 **Post-doc fellowship**, Department of Neurology and Psychiatry, Sapienza University of Rome, Italy. Title of the research project: "Pain-motor integration in patients with Parkinson's Disease".
- 2013 **Co-winner** "Sapienza Ricerca-Bando Ateneo 2013", Title of the research ""Pain-motor integration in patients with chronic pain and movement disorders."
- 2014-present **Research contract** in Clinical Neurophysiology, IRCCS Neuromed Institute, Pozzilli (IS), Italy.
- 2014-present **Assistant Professor in Neurology**, Faculty of Medicine and Surgery and Department of Neurology and Psychiatry (now Department of Human Neuroscience), Sapienza University of Rome, Italy.

- 2015 **Winner** "Sapienza Ricerca - Bando Ateneo 2015", Sapienza Università di Roma, Italy. Title of the research: "Salivary alpha-synuclein: a new biomarker for Parkinson's Disease?".
- 2015 **Co-winner** "Innovation Design Contest 2015", Innovation Day - Milano 29 October 2015. Title of the research: "Sensing Network for recognizing specific motion features".
- 2016 **Guest Associate Editor** in *Frontiers in Neurology*
- 2016 **Winner** "Sapienza Ricerca - Bando Ateneo 2016", Sapienza Università di Roma, Italy. Title of the research: "Salivary alpha-synuclein and tau as new biomarkers in Parkinson's Disease and atypical parkinsonisms".
- 2017 **Co-winner** "Sapienza Ricerca-Bando Ateneo 2017", Title of the research: "Clinical, neurophysiological and neuroimaging findings in patients with essential tremor".
- 2017 **Board Certified Associate Professor** in Neurology
- 2017-present **Member of the Editorial Board** of *Clinical Neurophysiology*
- 2018 **Faculty**, (Scientific Board), PhD in Experimental and Clinical Neuroscience, Sapienza University of Rome, Italy.
- 2018 **Faculty**, "Corso di Alta Formazione in Elettromiografia Clinica", Sapienza University of Rome, Italy
- 2018 **Co-founder** of the special interest group (SIG) on non-invasive brain stimulation, Executive Committee of the International Federation of Clinical Neurophysiology (IFCN)
- 2018-2021 **Delegate for International Relations** of Italian Society of Clinical Neurophysiology (SINC)

## Memberships

- 2004-present: Member of the Italian Society of Neurology (SIN)
- 2004-2016 Member of the Italian Society of Movement Disorders (DISMOV-SIN)
- 2006-present Member of the Italian Society of Clinical Neurophysiology (SINC)
- 2008 Associate Faculty Member, "Faculty of 1000 Medicine", section "Neurological Disorders - Movement Disorders"
- 2010 Member of LIMPE (Italian League against Parkinson's disease and other extrapyramidal syndromes and dementia) (now Accademia LIMPE-DISMOV).
- 2011 Member of the Movement Disorders Society (MDS) (now International Parkinson and Movement Disorder Society)
- 2011-2016 Member of the Medical Commission, Dipartimento Nucleare, Rischio Tecnologico e Industriale, Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA).
- 2010-2013: Executive Committee of the Italian Society for Movement Disorders (DISMOV-SIN)
- 2017-present Member of the Editorial Board of *Clinical Neurophysiology*
- 2018-2021 Delegate for International Relations of Italian Society of Clinical Neurophysiology (SINC)

## Reviewer activity

Reviewer for *Movement Disorders, Clinical Neurophysiology, Parkinsonism and Related Disorders, Experimental Brain Research, Journal of Neurophysiology, Brain Stimulation, Frontiers in Neurology, BMC Neuroscience, Neuroscience Letters.*

## Collaborations

International collaborations:  
Dr Antonio Suppa is currently collaborating with a number of national and international researchers including Prof. John Rothwell (Sobell Department of Motor Neuroscience and Movement disorders, Institute of Neurology, University College of London, Queen Square, London WC1N 3BG, United

Kingdom; email [j.rothwell@ion.ucl.ac.uk](mailto:j.rothwell@ion.ucl.ac.uk)). The research collaboration is focused on the physiology of human motor system and pathophysiology of movement disorders investigated with TMS techniques.

## Projects devised and managed

Dr Antonio Suppa is currently devising and managing a number of research projects focused on the investigation of cross-modal associative plasticity in healthy subjects and in patients with movement disorders. He is also investigating possible correlation between salivary alfa-synuclein concentration and neurophysiological variables (electrophysiological and behavioural variables) in patients with Parkinson's Disease. Finally, he is testing new wireless biosensors for whole body long-time monitoring of patients with advanced Parkinson's Disease.

## Teaching activity and Supervision of Students

- 2010-present **Seminars, training and supervision** of undergraduate and graduate students, residents in neurology, PhD students and post-doc fellows.  
Faculty of Medicine and Surgery and Department of Neurology and Psychiatry (now Department of Human Neuroscience), Sapienza University of Rome, Italy
- 2012 **Faculty:** "Botulinum Toxin Training in Neurological Practice, The Movement Disorders Society, European Section, Rome, Italy, November 29-30, 2012, Department of Neurology and Psychiatry (now Department of Human Neuroscience), Sapienza University of Rome, Italy
- 2015 **Faculty:** "EXPERT Exchange Meeting" Rome, Italy, November 6th, 2015, Department of Neurology and Psychiatry (now Department of Human Neuroscience), Sapienza University of Rome, Italy
- 2015-present **Faculty**, Bachelor Programme in Neurophysiopathology, Department of Neurology and Psychiatry (now Department of Human Neuroscience), Sapienza University of Rome, Italy
- 2015-present **Faculty**, Bachelor Programme in Neurorehabilitation, IRCCS Neuromed, Sapienza University of Rome, Italy
- 2015-present **Faculty**, Bachelor Programme in Nursing, IRCCS Neuromed, Sapienza University of Rome, Italy
- 2014-present **Faculty**, Assistant Professor in Neurology, Department of Neurology and Psychiatry (now Department of Human Neuroscience), Sapienza University of Rome, Italy
- 2016-present **Faculty**, Assistant Professor in Neurology, International School of Medicine, "Degree Programme in Medicine and Surgery F", Sapienza University of Rome, Italy.
- 2018-present **Faculty**, "Corso di Alta Formazione in Elettromiografia Clinica", Sapienza University of Rome, Italy
- 2018-present **Faculty (Scientific Board)**, PhD in Experimental and Clinical Neuroscience, Sapienza University of Rome, Italy

## Invited Speaker (National and International Congress)

Oral Platform, 11th International Congress of Parkinson's Disease and Movement Disorders, Istanbul, Turkey June 3-7, 2007. Title: Connections between premotor and motor cortex in healthy subjects and in patients with Parkinson's disease.

Congresso Nazionale DISMOV-SIN, Roma, 13-14 Settembre 2007. Title: La stimolazione magnetica transcranica nella malattia di Parkinson.

The Third International Conference on Transcranial Magnetic and Direct Current Stimulation", 7/10 October 2008, Göttingen, Germany. Title: "Premotor to motor connections".

Executive Committee, IV Congresso nazionale DISMOV-SIN, Verona 25-27 Marzo 2010. Workshop LA TOSSINA BOTULINICA NEI DISORDINI DEL MOVIMENTO. Title: La tossina botulinica nella distonia e nella spasticità: Distonia.

Congresso Nazionale "La malattia di Parkinson: il crescendo di una sfida", Belluno, 23-24 aprile 2010. Title: "Fisiopatologia e semeiologia dei disturbi extrapiramidali".

Executive Committee, Scientific Board and Chairman, V Congresso nazionale DISMOV-SIN, Bologna 31 Marzo al 2 Aprile 2011. Title: Update sulla stimolazione cerebrale profonda.

14th European Congress of Clinical Neurophysiology and 4th International Congress on Transcranial Magnetic and Direct Current Stimulation", June 21-25 2011, Rome, Italy. Workshop: "NEUROPHYSIOLOGY OF MOVEMENT DISORDERS". Title: "Repetitive transcranial magnetic stimulation in movement disorders".

Segefalk Minisymposium" Lund, Sveden, Friday May 4th, 2012. Title: Abnormal plasticity in dystonia: a clinical overview.

III Workshop of Synaptic Plasticity: from bench to bed side" Taormina - 29th September - 2nd October 2012

Title: Neurological conditions characterized by homeostatic plasticity problems.

Executive Committee, Il Congresso Congiunto LIMPE/DISMOV-SIN, Pisa 7-10 Novembre 2012.

Plenary Session: Connettività e plasticità sinaptica: il contributo della neurofisiologia e del Neuroimaging. Title: Esplorazione della connettività corticale mediante stimolazione magnetica transcranica.

Faculty, Local Organizer, "Botulinum Toxin Training for Neurological Diseases" November 29-30, 2012,

Rome, Italy. Title: Limb dystonia including writer's cramp.

Executive Committee, Faculty and Local Organizer, Il Congresso Congiunto LIMPE/DISMOV-SIN, Roma, 9-11 Ottobre 2013; Coree e sindromi ipercinetiche: Tic e Tourette.

Congresso Nazionale della Società Italiana di Neurologia", Milano 2-5 Novembre 2013. Workshop: NEUROPLASTICITÀ E CONNETTIVITÀ. Title: Le alterazioni della plasticità e della connettività nei Disordini del Movimento: dal laboratorio alla clinica.

III Congresso Congiunto LIMPE/DISMOV-SIN, Salerno 12-14 Novembre 2014. Trattamento con Tossina Botulinica: Disordini del Movimento.

1° Congresso Accademia Italiana per lo Studio della Malattia di Parkinson e i Disordini del Movimento - 28-30 Settembre 2015. Title: Distonie: Fenomenologia dei disturbi motori.

The 15th European Congress on Clinical Neurophysiology", September the 30th - October the 3rd, Brno, Czech Republic: Title: "Assessing plasticity in the primary motor cortex for understanding the pathophysiology of Parkinson's Disease: evidence from TMS studies".

Faculty, Local Organizer, "EXPERT Exchange Meeting" Rome, November 6th, 2015. Title: Cervical dystonia: diagnosis and treatment of simple cases.

"Norme e prassi nella terapia con tossina botulinica nella Regione Lazio." Ospedale San Filippo Neri, Roma 5 febbraio 2016. Title: Le patologie neurologiche trattate con la tossina botulinica - Il trattamento delle distonie.

"Therapies for Tic Disorders in Childhood", Rome - May, 3 - 2016, Istituto Superiore di Sanità - Aula Pocchiarri. Title: Tic Disorders: general aspects.

2° Congresso Accademia LIMPE-DISMOV - Accademia Italiana per lo Studio della Malattia di Parkinson e i Disordini del Movimento - 4/6 MAGGIO 2016. CORSI DI FORMAZIONE. Title: Metodiche strumentali wireless.

6th International Conference on Transcranial Brain Stimulation 2016", 7/10 September 2016,

Göttingen, Germany. Title: TMS – What is stimulated? M1.

“Riunione della Macroarea Centro-Sud Società Italiana di neurofisiologia Clinica SINC”, 21 ottobre 2017, Neuromed Institute, Pozzilli (IS), Italia. Title: "Primary Motor Cortex Plasticity in Movement Disorders".

“MOVE ON – Movimento e Controllo nella malattia di Parkinson” Bologna, 27-28 Febbraio 2018. Title: Effetto di safinamide sull'eccitabilità della corteccia motoria in pazienti con Malattia di Parkinson.

“Milano Parkinson, Demenza, Neurodegenerazione”, 8 Giugno 2018, Milano, Italia; Title: Pathophysiology of Levodopa-induced Dyskinesia (LIDs).

4° Congresso Accademia LIMPE-DISMOV - Accademia Italiana per lo Studio della Malattia di Parkinson e i Disturbi del Movimento - 24/26 MAGGIO 2018, Roma, Italia. Session: Tecnologie avanzate wireless nei disturbi del movimento. Title: Metodologie wireless.

4° Congresso Accademia LIMPE-DISMOV - Accademia Italiana per lo Studio della Malattia di Parkinson e i Disturbi del Movimento - 24/26 MAGGIO 2018, Roma, Italia. Symposium: Safinamide: specificità del meccanismo d'azione dalla neurofisiologia alla clinica. Title: Effetto di safinamide sull'eccitabilità della corteccia motoria in pazienti con malattia di Parkinson.

Local Organizer, Faculty, XLIX Congresso Società Italiana di Neurologia - SIN Roma, 27-30 Ottobre 2018, Title: Symposium: La Stimolazione Magnetica Transcranica Ripetitiva Nei Disturbi Neuropsichiatrici; Title: Applicazioni della rTMS nei disturbi del movimento e in altri disturbi neurologici.

## Publications:

1. Gilio F, Currà A, Inghilleri M, Lorenzano C, **Suppa A**, Manfredi M, Berardelli A. Abnormalities of motor cortex excitability preceding movement in patients with dystonia. *Brain* 2003; 126: 1745-1754. (IF: 8.6) (Citations: 56 Scopus; 73 Google Scholar).
2. Trompetto C, Currà A, Buccolieri A, **Suppa A**, Abbruzzese G, Berardelli A. Botulinum toxin changes intrafusal feedback in dystonia: a study with the tonic vibration reflex in humans. *Mov Disord* 2006; 21: 777-782. (IF: 3.3) (Citations: 58 Scopus; 80 Google Scholar).
3. Lorenzano C, Dinapoli L, Gilio F, **Suppa A**, Bagnato S, Currà A, Inghilleri M, Berardelli A. Motor cortical excitability studied with repetitive transcranial magnetic stimulation in patients with Huntington's Disease. *Clin Neurophysiol* 2006; 117: 1677-1681. (IF: 2.7) (Citations: 32 Scopus; 44 Google Scholar).
4. Gilio F, **Suppa A**, Bologna M, Lorenzano C, Fabbrini G, Berardelli A. Short-term cortical plasticity in patients with dystonia: a study with repetitive transcranial magnetic stimulation. *Mov Disord* 2007; 22: 1436-1443. (IF: 3.2) (Citations: 14 Scopus; 14 Google Scholar).
5. Ottaviani D, Tiple D, **Suppa A**, Colosimo C, Fabbrini G, Cincotta M, Defazio G, Berardelli A. Mirror movements in patients with Parkinson's disease. *Mov Disord* 2008; 23: 253-258. (IF: 3.9) (Citations: 24 Scopus; 35 Google Scholar).
6. **Suppa A**, Bologna M, Gilio F, Lorenzano C, Rothwell JC, Berardelli A. Preconditioning rTMS of premotor cortex can reduce but not enhance short-term facilitation of primary motor cortex. *J Neurophysiol* 2008; 99: 564-570. (IF: 3.7) (Citations: 31 Scopus; 36 Google Scholar).
7. Ortu E, Deriu F, **Suppa A**, Giaconi E, Tolu E, Rothwell JC. Intracortical modulation of cortical-bulbar responses for the masseter muscle. *J Physiol* 2008; 586: 3385-3404. (IF: 4.6) (Citations: 19 Scopus; 26 Google Scholar).
8. Berardelli A, Abbruzzese G, Chen R, Orth M, Ridding M, Stinear C, **Suppa A**, Trompetto C, Thompson P. Consensus Paper on SICI and other TMS intracortical paradigms in Movement



- Disorders. *Brain Stim* 2008; 1; 183-191. (IF: 3.0) (Citations: 45 Scopus; 69 Google Scholar).
9. **Suppa A**, Ortu E, Zafar N, Deriu F, Paulus W, Berardelli A, Rothwell JC. Theta Burst Stimulation induces after-effects on contralateral primary motor cortex excitability in humans. *J Physiol* 2008; 586: 4489-4500. (IF: 4.6) (Citations: 88 Scopus; 108 Google Scholar).
  10. Agostino R, Iezzi E, Dinapoli L, **Suppa A**, Conte A, Berardelli A. Effects of intermittent theta burst stimulation on practice-related changes in fast finger movements in healthy subjects. *Eur J Neurosci* 2008; 28: 822-828. (IF: 4.2) (Citations: 33 Scopus; 44 Google Scholar).
  11. Iezzi E, Conte A, **Suppa A**, Agostino R, Dinapoli L, Scontrini A, Berardelli A. Phasic voluntary movements reverse the after-effects of subsequent theta-burst stimulation in humans. *J Neurophysiol* 2008; 100: 2070-2076. (IF: 3.7) (Citations: 88 Scopus; 122 Google Scholar).
  12. Ortu E, Deriu F, **Suppa A**, Tolu E, Rothwell JC. Effects of volitional contraction on intracortical inhibition and facilitation in the human motor cortex. *J Physiol* 2008; 586: 5147-5159. (IF: 4.6) (Citations: 88 Scopus; 104 Google Scholar).
  13. Cheeran B, Talelli P, Mori F, Koch G, **Suppa A**, Edwards M, Houlden H, Bhatia K, Greenwood R, Rothwell JC. A Common Polymorphism in the Brain Derived Neurotrophic Factor Gene (BDNF) Modulates Human Cortical Plasticity and the Response to rTMS. *J Physiol* 2008; 586: 5717-5725. (IF: 4.6) (Citations: 381 Scopus; 518 Google Scholar).
  14. **Suppa A**, Berardelli A, Brancati F, Marianetti M, Barrano G, Mina C, Pizzuti A, Sideri G. Clinical, Neurophysiological and Genetic Characterization of Familial Cortical Myoclonic Tremor with Epilepsy in a New Italian Pedigree. *Epilepsia* 2009; 50: 1284-1288. (IF: 4.1) (Citations: 19; Scopus; 27 Google Scholar).
  15. Scontrini A, Conte A, Defazio G, Fiorio M, Fabbrini G, **Suppa A**, Tinazzi M, Berardelli A. Somatosensory temporal discrimination in patients with primary focal dystonia. *J Neurol Neurosurg Psychiatry* 2009; 80: 1315-1319. (IF: 4.9) (Citations: 73 Scopus; 99 Google Scholar).
  16. Fabbrini G, Defazio G, Colosimo C, **Suppa A**, Bloise M, Berardelli A. Onset and spread of dyskinesias and motor symptoms in Parkinson's disease. *Mov Disord* 2009; 24: 2091-2096. (IF: 4.0) (Citations: 13 Scopus; 19 Google Scholar).
  17. **Suppa A**, Iezzi E, Conte A, Belvisi D, Marsili L, Modugno N, Fabbrini G, Berardelli A. Dopamine influences primary motor cortex plasticity and dorsal premotor-to-motor connectivity in Parkinson's disease. *Cereb Cortex* 2010; 20: 2224-2233. (IF: 6.8) (Citations: 33 Scopus; 41 Google Scholar).
  18. Iezzi E, **Suppa A**, Conte A, Agostino R, Nardella A, Berardelli A. Theta-burst stimulation over primary motor cortex degrades early motor learning. *Eur J Neurosci* 2010; 31: 585-592. (IF: 4.2) (Citations: 27 Scopus; 41 Google Scholar).
  19. Katayama T, **Suppa A**, Rothwell JC. Somatosensory evoked potentials and high frequency oscillations are differently modulated by theta burst stimulation over primary somatosensory cortex in humans. *Clin Neurophysiol* 2010; 121: 2097-2103. (IF: 3.1) (Citations: 26 Scopus; 31 Google Scholar).
  20. Colosimo C, **Suppa A**, Fabbrini G, Bologna M, Berardelli A. Craniocervical dystonia: clinical and pathophysiological features. *Eur J Neurol* 2010; 17 Suppl 1:15-21. (IF: 3.8) (Citations: 27 Scopus; 50 Google Scholar).
  21. Berardelli A, **Suppa A**. Recent advances in the pathophysiology of Parkinson's disease: evidence from fMRI and TMS studies. *Exp Neurol* 2011; 227: 10-12. (IF: 4.7) (Citations: 7 Scopus; 12 Google Scholar).
  22. **Suppa A**, Berardelli A. Functional connectivity between non primary motor cortex and primary motor and sensory areas investigated in humans with TDCS and rTMS. *Clin Neurophysiol* 2011; 122: 643-644. (IF: 3.4) (Citations: 0 Scopus; 0 Google Scholar).
  23. **Suppa A**, Marsili L, Belvisi D, Conte A, Iezzi E, Modugno N, Fabbrini G, Berardelli A. Lack of

- LTP-like plasticity in primary motor cortex in Parkinson's disease. *Exp Neurol* 2011; 227: 296-301. (IF: 4.7) (Citations: 59 Scopus; 71 Google Scholar).
24. **Suppa A**, Belvisi D, Bologna M, Marsili L, Berardelli I, Moretti G, Pasquini M, Fabbrini G, Berardelli A. Abnormal Cortical and BrainStem Plasticity in Gilles de la Tourette Syndrome. *Mov Disord* 2011; 26: 1703-1710. (IF: 4.5) (Citations: 27 Scopus; 38 Google Scholar).
  25. Iezzi E, **Suppa A**, Conte A, Li Voti P, Bologna M, Berardelli A. Short-term and long-term plasticity interaction in human primary motor cortex. *Eur J Neurosci* 2011; 33: 1908-1915. (IF: 4.2) (Citations: 25 Scopus; 34 Google Scholar).
  26. Li Voti P, Conte A, **Suppa A**, Iezzi E, Bologna M, Aniello MS, Defazio G, Rothwell JC, Berardelli A. Correlation between cortical plasticity, motor learning and BDNF genotype in healthy subjects. *Exp Brain Res* 2011; 212: 91-99. (IF: 2.8) (Citations: 76 Scopus; 99 Google Scholar).
  27. Bologna M, Conte A, **Suppa A**, Berardelli A. Motor cortex plasticity in Parkinson's disease: advances and controversies. *Clin Neurophysiol* 2012; 123: 640-641. (IF: 3.1) (Citations: 8 Scopus; 11 Google Scholar).
  28. Berardelli A, Conte A, Fabbrini G, Bologna M, Latorre A, Rocchi L, **Suppa A**. Pathophysiology of pain and fatigue in Parkinson's disease. *Parkinsonism Relat Disord* 2012; Suppl 1: S226-8. (IF: 3.8) (Citations: 17 Scopus; 27 Google Scholar).
  29. **Suppa A**, Berardelli A. Horizons in LTP-like plasticity in human primary motor cortex. *Clin Neurophysiol* 2012; 123: 2111-2113. (IF: 3.1) (Citations: 5 Scopus; 6 Google Scholar).
  30. **Suppa A**, Papazachariadis O. Unraveling acetylcholine impact on human cortical plasticity. *J Neurosci* 2012; 32: 10795-10796. (IF: 8.2) (Citations: 1 Scopus; 1 Google Scholar).
  31. **Suppa A**, Biasiotta A, Belvisi D, Marsili L, La Cesa S, Truini A, Cruccu G, Berardelli A. Heat-evoked experimental pain induces long-term potentiation-like plasticity in human primary motor cortex. *Cereb Cortex* 2013; 23: 1942-1951. (IF: 6.8) (Citations: 22 Scopus; 28 Google Scholar).
  32. Fabbrini G, Latorre A, **Suppa A**, Bloise M, Frontoni M, Berardelli A. Fatigue in Parkinson's disease: motor or non-motor symptom? *Parkinsonism Relat Disord* 2013; 19: 148-152. (IF: 3.3) (Citations: 21 Scopus; 34 Google Scholar).
  33. Belvisi D, **Suppa A**, Marsili L, Di Stasio F, Parvez AK, Agostino R, Fabbrini G, Berardelli A. Abnormal experimentally- and behaviorally-induced LTP-like plasticity in focal hand dystonia. *Exp Neurol* 2013; 240: 64-74. (IF: 4.6) (Citations: 26 Scopus; 32 Google Scholar).
  34. **Suppa A**, Bologna M, Berardelli A. L-DOPA and cortical associative plasticity in Parkinson's disease. *Clin Neurophysiol* 2013; 124: 638-639. (IF: 3.1) (Citations: 2 Scopus; 2 Google Scholar).
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  36. **Suppa A**. Boosting neural activity in cortical motor areas through neurofeedback in Parkinson's Disease. *Clin Neurophysiol* 2013; 124: 1262-1263. (IF: 3.1) (Citations: 1 Scopus; 2 Google Scholar).
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Roma, 4/08/2018

Antonio Suppa

