

# Clara Moisello, PhD

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## Professional Experience

2021 - PRESENT

**Compassion Course Italia** - [www.compassioncourse.it](http://www.compassioncourse.it) – Founder and Lead Trainer

2019 - PRESENT

**The New York Center for Nonviolent Communication**- [www.nycnvc.org](http://www.nycnvc.org) – Co-Director and Lead Trainer

2014 - PRESENT

**Jaya Yoga Center** – Certified Yoga Instructor

2016 - 2018

**The New York Center for Nonviolent Communication** – Program Coordinator and Facilitator

2010 – 2015

**The Research Foundation of the City University of New York** – Post-Doctoral Fellow

Research on sleep, motor control and brain plasticity in healthy subjects and patients with basal ganglia disorders using movement analysis techniques and high-density EEG.

## Education

2007 – 2010

**Ph.D. in Bioengineering** - University of Genova, Italy

2003 – 2006

**MS in Biomedical Engineering** - University of Genova, Italy

2000 – 2003

**BS in Biomedical Engineering** - University of Genova, Italy

## Other Professional Certifications

2018

**Licensed Be Body Positive Facilitator** – The Body Positive Institute

2015

**Certified Mind-Body Eating Coach** – The Institute for The Psychology of Eating

2014

**Certified 200 Hour Yoga Instructor** – Jaya Yoga Center, Brooklyn, Ny

## Language Skills

**Italian** – Mother Tongue

**English** – Excellent Speaking, Reading, Writing

**French** – Good Speaking, Reading, Writing

**German** – Basic Speaking, Reading, Writing

## Peer Reviewed Publications

1. Nelson AB, **Moisello C**, Lin J, Panday P, Ricci S, Canessa A, Di Rocco A, Quartarone A, Frazzitta G, Isaias IU, Tononi G, Cirelli C, Ghilardi MF. *Beta Oscillatory Changes and Retention of Motor Skills during Practice in Healthy Subjects and in Patients with Parkinson's Disease*. Front Hum Neurosci. 2017
2. Steinemann NA, **Moisello C**, Ghilardi MF, Kelly SP. *Tracking neural correlates of successful learning over repeated sequence observations*. Neuroimage 2016
3. **Moisello C**, Blanco D, Lin J, Panday P, Kelly SP, Quartarone A, Di Rocco A, Cirelli C, Tononi G, Ghilardi MF. *Practice changes beta power at rest and its modulation during movement in healthy subjects but not in patients with Parkinson's disease*. Brain Behav 2015
4. Meziane HB, **Moisello C**, Perfetti B, Kvint S, Isaias IU, Quartarone A, Di Rocco A, Ghilardi MF. *Movement preparation and bilateral modulation of beta activity in aging and Parkinson's disease*. PLoS One. 2015
5. **Moisello C**, D. Blanco, C. Fontanesi, J. Lin, M. Biagioni, P. Kumar, A. Loggini, L. Marinelli, G. Abbruzzese, A. Quartarone, G. Tononi, A. Di Rocco, M. F. Ghilardi. *TMS enhances retention of a motor skill in Parkinson's Disease*. Brain Stimul. 2015
6. **Moisello C**, Meziane HB, Kelly S, Perfetti B, Kvint S, Voutsinas N, Blanco D, Quartarone A, Tononi G, Ghilardi MF. *Neural activations during visual sequence learning leave a trace in post-training spontaneous EEG*. PLoS One. 2013
7. Crupi D, Cruciata G, **Moisello C**, Green P, Naro A, Ricciardi L, Perfetti B, Bove M, Avanzino L, Di Rocco A, Quartarone A, Ghilardi MF. *Protracted exercise without overt neuromuscular fatigue influences cortical excitability*. J Mot Behav. 2013
8. Perfetti B, **Moisello C**, Landsness E, Kvint S, Lanzafame S, Onofri M, Di Rocco A, Tononi G, and Ghilardi MF. *Modulation of gamma and theta spectral amplitude and phase synchronization is associated with the development of visuo-motor learning*. J Neurosci. 2011
9. Isaias IU, **Moisello C**, Marotta G, Schiavella M, Canesi M, Perfetti B, Cavallari P, Pezzoli G, Ghilardi MF. *Dopaminergic striatal innervation predicts interlimb transfer of a visuomotor skill*. J Neurosci. 2011.
10. **Moisello C**, Perfetti B, Marinelli L, Sanguineti V, Bove M, Feigin A, Di Rocco A, Eidelberg D, Felice Ghilardi M. *Basal ganglia and kinematics modulation: Insights from Parkinson's and Huntington's diseases*. Parkinsonism Relat Disord. 2011
11. E.C Landsness, F. Ferrarelli, S. Sarasso, M.R. Goldstein, B.A. Riedner, B. Perfetti, **C. Moisello**, C. Cirelli, M. F. Ghilardi, G. Tononi. *Electrophysiological traces of visuomotor learning and their renormalization after sleep*. Clin Neurophysiol. 2011

12. S Kvint, B Bassiri-Tehrani, A Pruski, J Nia, I Nemet, M Lopresti, **C Moissello**, B Perfetti, MF Ghilardi. *Acquisition and retention of motor sequences: The effects of time of the day and sleep*. Arch Ital Biol. 2011
13. **Moissello C**, Avanzino L, Tacchino A, Ruggeri P, Ghilardi MF, Bove M. *Motor Sequence Learning: acquisition of explicit knowledge is concomitant to changes in motor strategy of finger opposition movements*. Brain Res Bull. 2011
14. Perfetti B, **Moissello C**, Landsness EC, Kvint S, Pruski A, Onofrj M, Tononi G, Ghilardi MF. J Neurophysiol. *The temporal evolution of oscillatory activity predicts performance in a choice-reaction time reaching task*. J Neurophysiol. 2011
15. Perfetti B., **Moissello C.**, Lanzafame S., Varanese S., Landsness E., Onofrj M., Di Rocco A., Tononi G., Ghilardi M.F. *Attention modulation regulates both motor and non-motor performance: a high-density EEG study in Parkinson's Disease*. Arch Ital Biol. 2010
16. Marinelli L, Perfetti B, **Moissello C**, Di Rocco A, Eidelberg D, Abbruzzese G, Ghilardi MF. *Increased reaction time predicts visual learning deficits in Parkinson's disease*. Mov Disord. 2010
17. Bove M, Tacchino A, Pelosin E, **Moissello C**, Abbruzzese G, Ghilardi MF. *Spontaneous movement tempo is influenced by observation of rhythmical actions*. Brain Res Bull. 2009
18. Ghilardi MF, **Moissello C**, Silvestri G, Ghez C, Krakauer JW. *Learning of a sequential motor skill comprises explicit and implicit components that consolidate differently*. J Neurophysiol. 2009
19. **Moissello C**, Crupi D, Tunik E, Quartarone A, Bove M, Tononi G, Ghilardi MF. *The serial reaction time task revisited: a study on motor sequence learning with an arm-reaching task*. Exp Brain Res. 2009
20. **Moissello C**, Bove M, Huber R, Abbruzzese G, Battaglia F, Tononi G, Ghilardi MF. *Short-term limb immobilization affects motor performance*. J Motor Behavior, 2008
21. Ghilardi MF, Silvestri G, Feigin A, Mattis P, Zgaljardic D, **Moissello C**, Crupi D, Marinelli L, DiRocco A, Eidelberg D. *Implicit and explicit aspects of sequence learning in pre-symptomatic Huntington's disease*. Parkinsonism & Rel. Disorders. 2008
22. Crupi D, Ghilardi MF, **Moissello C**, Di Rocco A, Quartarone A, Battaglia F. *Cortical and brainstem LTP-like plasticity in Huntington's disease*. Brain Res Bull. 2008