

**Elisa Di Rosa**  
**Curriculum vitae et studiorum**

**Current Position:**

Marie Skłodowska-Curie Post-doctoral Research Fellow

**Research interests:**

Clinical Neuropsychology and Neuropsychological rehabilitation  
Cognitive decline and dementia prevention

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EDUCATION

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- April 2014: **PhD in Psychological Science**; University of Padova.
- November 2011: **Qualified Psychologist**, University of Padova.
- June 2010: **MSc in Neuroscience and Neuropsychological Rehabilitation**, School of Psychology, University of Padova.

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RESEARCH EXPERIENCES

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- February 2018- present: **Marie Skłodowska-Curie Post-doctoral Research Fellow** (GA 799084). Keele University (UK), advisor prof. Nicky Edelstyn; Washington University St.Louis (US), advisor Prof. Todd Braver; University of Padova (Italy), advisor: Prof Daniela Mapelli
- March 2017-January 2018: **Post-doctoral research fellow** at the Department of Neuroscience, University of Padova; Advisor: Prof. Antonino Vallesi
- March 2014 – February 2017: **Post-doctoral research fellow** at the Department of General Psychology, University of Padova; Advisor: Prof Daniela Mapelli
- September 2016. **Visiting Post-doctoral research fellow** at the Department of Psychology, Ryerson University, Toronto-Canada; Advisor: Prof. Julia Spaniol
- January 2016 - March 2016. **Visiting Post-doctoral research fellow**, Department of Experimental Psychology, Gent University, Gent –Belgium; Advisor: Prof Wim Notebaert
- January 2013-July 2013: **Visiting PhD student**, Trinity College Institute of Neuroscience (TCIN), Trinity College Dublin (TCD), Ireland. Advisor: Prof Ian Robertson
- January 2011-December 2012: **Visiting PhD student**, Department of Neurological and movement sciences, University of Verona (Italy); Advisor: Prof. Stefano Tamburin
- October 2010-October 2011: **Post lauream (MSc) Intern**, Division of Neurology, Department of Neuroscience, University of Padova; Advisor: Dr Arianna Palmieri
- September 2009-April 2010: **Pre-lauream Intern**, Division of Neuropsychology. S.Camillo Hospital, Venice; Advirsor: Dr Jessica Rigon
- June 2007-December 2007: **Pre-lauream Intern** at the Department of General Psychology, University of Padova; Advisor: Prof. Carlo Umiltà

## GRANTS AND AWARDS

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- 2017: **Marie Skłodowska-Curie Post doctoral research fellowship (European Union)**
- 2017: **Post-doctoral research fellowship (European Research Council)**
- 2016: **Canada-Italy Innovation Award (Italian Embassy of Canada)**
- 2015: **Post-doctoral research fellowship (University of Padova)**
- 2015: **Boehringer Ingelheim Fonds Travel Award**
- 2015: **British Neuropsychological Society Travel grant**
- 2015: **Italian Society of Neuropsychology Travel grant**
- 2014: **Post-doctoral research fellowship (University of Padova)**
- 2012: **Prof. Alberto Mazzocco Prize (Italian Psychological Association)**
- 2011: **PhD Fellowship (University of Padova)**

## COURSES AND WORKSHOPS ATTENDED

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- **Functional Magnetic Resonance Imaging (fMRI)**, University of Michigan (August, 2018)
- **Non-invasive brain stimulation in psychiatric disorders**, University of Padua (June, 2016)
- **Cognitive and socio-emotional development across the lifespan**, University of Geneva (September, 2015)
- **Statistical analysis of Event Related Potentials (ERPs) in R**. University of Padua (June, 2015)
- **Neuromodulation of brain functions in neurological and psychiatric diseases**, University of Padua (April, 2015)
- **Transcranial Magnetic Stimulation (TMS)**. (20 hours), University of Padua (October, 2014)
- **Acalculia rehabilitation**, S.Camillo Hospital- Venice (September, 2012)

## TECHNICAL SKILLS

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- **Expert administration and scoring of neuropsychological assessment tests** (both in Italian and English)
- Expert utilization of Transcranial Magnetic Stimulation (**TMS**), Transcranial direct current stimulation (**tDCS**), Electroencephalogram (**EEG**) and Event Related Potentials (**ERPs**), Functional Magnetic Resonance Imaging (**fMRI**)
- Expert utilization of the following software: **SPSS; E-Prime; R; Brainsight**

## TEACHING AND MENTORING EXPERIENCES

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- 2011-2017: Lecturer (in Italian and English) for the courses of ***Clinical Neuropsychology, Neuropsychological Rehabilitation, Neuropsychology, Neuroimaging techniques, Cognitive Neuropsychology, Psychology of attention***. School of Psychology, University of Padova
- 2016: Lecturer for the Advanced Course for Scientific Research "***Magnetic cerebral stimulation techniques and neuronavigation software***", School of Psychology, University of Padova
- 2011 – 2017: **Supervision of more than 15 undergraduate and postgraduate research projects and research dissertations**

1. **Di Rosa, E.**, Lamichhane B., Braver, T. S. Does delay of gratification capacity decline in healthy aging? New behavioural and fMRI evidence. *Association for Psychological Science Conference*, Washington DC, May, 2019
2. **Di Rosa, E.**, Brigadoi S., Mapelli D., Cutini S., Tarantino V., Dell'Acqua R., Braver T.S. & A. Vallesi A. Behavioral and hemodynamic effects of prefrontal anodal stimulation in healthy older adults: A simultaneous tDCS-fNIRS study. *3<sup>rd</sup> International Brain Stimulation Conference*. Vancouver, February, 2019
3. **Di Rosa, E.**, Edelstyn, N., Mapelli, D. Influence of motivational incentives on conflict resolution: new evidence from Alzheimer's disease patients. *Cognitive Neuroscience Society (CNS) annual meeting 2018*. Boston, March, 2018
4. **Di Rosa, E.**, Bardi, L., Mapelli, D., Schiff, S. & Notebaert, W. Dorsolateral prefrontal cortex and cognitive control: new evidence from continuous theta burst stimulation. *Proceedings of the International Conference Cognitive Neuroscience of Executive Functions (CNEF)*, Padova, September 2017
5. **Di Rosa, E.**, Masina, F., Vallesi, A. & Mapelli, D. Can rewards enhance error awareness? A study in younger and older adults. *20th Conference of the European Society for Cognitive Psychology (ESCoP)*. Potsdam, September 2017
6. **Di Rosa, E.**, Bardi, L., Umiltà, C., Masina, F., Forgiione, M., and Mapelli, D. Neuromodulation of cognitive control: different effects of left and right parietal stimulation on stimulus-response associations. *Cognitive Neuroscience Society (CNS) annual meeting 2016*. New York, April 2016
7. **Di Rosa, E.**, Masina F., Vallesi, A. and Mapelli, D. Motivation and cognition in healthy aging: The paradoxical effect of reward on error awareness. *Italian Neuropsychological Society (SINP) annual meeting 2015*. Padova, November 2015
8. **Di Rosa, E.**, Schiff, S., and Mapelli, D. Age related differences in decision- making: exploring neural correlates of feedback processing during Iowa Gambling task. *Italian Neuropsychological Society (SINP) annual meeting 2015 (invited)*. Padova, November 2015
9. **Di Rosa, E.**, Schiff, S., and Mapelli, D. Age related differences in decision- making: exploring neural correlates of feedback processing during Iowa Gambling task. *Cognitive Neuroscience Society (CNS) annual meeting 2015*. San Francisco, March 2015

10. **Di Rosa E.**, Schiff S., Cagnolati, F. Mapelli D. When a reward is like a punishment: exploring the interaction between motivation and cognitive control in ageing and Parkinson's disease. *Italian Neuropsychological Society (SINP) annual meeting*. Napoli, October 2014
11. **Di Rosa E.**, Tamburin S., Schiff S., Cavalletti M., Mapelli D. Feedback processing in Parkinson's disease: An ERPs study with the Iowa Gambling Task. *XXI National conference of the Italian Society of Psychophysiology (SIPF)*. Lecce, October 2013
12. **Di Rosa E.**, Schiff S., Mapelli D. Simon effect and motivation: the role of feedback on cognitive control. *XIX National conference of the Italian Association of Psychology (AIP) Experimental Psychology section (talk)*. Roma, September 2013.

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#### INVITED TALKS AND LECTURES

- 2019 – **“Neuroscience of Nutrition”**. Invited lecturer for Scuola di Nutrizione Salernitana
- 2019 - **“Navigating the Job Market After Graduate School”**. Invited speaker at the Association for Psychological Science Conference, Washington DC, US
- 2017: **“Marie Skłodowska-Curie Action: how to apply”**. Invited lecturer at the PhD School in Psychological Science, University of Padova
- 2016: **“Non-invasive brain stimulation techniques: Transcranial Magnetic Stimulation (TMS) & transcranial Direct Current Stimulation (tDCS)”**. Invited lecture at the School of Psychology, Ryerson University, Toronto
- 2016: **“Motivation-cognition interaction in healthy ageing and Parkinson's disease: Behavioural and electrophysiological evidence”**. Invited speaker at the Brain, Perception and Cognition (BPAC) Group lab meeting, Ryerson University, Toronto
- 2016: **“Parkinson's disease and cognitive functions: a matter of control?”** Invited speaker at the Brain Awareness Week 2016, University of Padova
- 2014: **“Behavioural and electrophysiological indices of feedback processing in Parkinson's disease”**. Invited speaker at the School of Psychology, Keele University (UK)
- 2014: **“Behavioural and electrophysiological indices of feedback processing in ageing and in Parkinson's disease”**. Invited speaker at Trinity College Institute of Neuroscience (Dublin, Ireland)

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#### NATIONAL AND INTERNATIONAL COLLABORATIONS

1. Washington University in Saint Louis **(USA)**
2. Keele University **(UK)**
3. Ryerson University, Toronto **(CANADA)**
4. University of Gent **(BELGIUM)**
5. Trinity College Dublin **(IRELAND)**
6. University of Verona **(ITALY)**
7. University of Milan Bicocca **(ITALY)**
8. I.R.C.C.S. Fondazione Ospedale San Camillo, Venice **(ITALY)**

## PUBLIC ENGAGEMENT in SCIENCE

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- Member of the organization committee of the **International Conference “Cognitive Neuroscience of Executive Functions”**, September 2017 (Padova, Italy)
- Symposium organizer and chair at the **“European Societies of Neuropsychology Conference”** September 2015 (Tampere, Finland)
- Member of the organization committee of the Annual Conference of the **“Italian Neuropsychological Society”** November 2015 (Padova, Italy)
- Member of the organization committee of the public seminar: **“Your brain: The secret to healthy ageing?”**. Trinity College Institute of Neuroscience. May 2013 (Dublin)
- Member of the organization committee of the **European Researcher Night 2011 – 2017** (University of Padova)

## PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

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- *Italian Neuropsychological Society*
- *British Neuropsychological Society*
- *Association for Psychological Science*
- *Psychonomic Society*
- *European Society of Cognitive Psychology*
- *Cognitive Neuroscience Society*

## REVIEWING AND EDITORIAL ACTIVITY

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- **Invited Reviewer** for the following journals: *Scientific Reports (Nature)*; *Neuropsychologia*; *Psychology & Aging*; *Cortex*; *International Journal of Psychophysiology*; *Frontiers in Human Neuroscience*; *Frontiers in Psychology*; *Psychiatry Research*; *BioMed Research International*; *Assessment*
- **Guest Editor** of the Special Research Topic: *“Motivation-Cognition Interaction: From Neurocognitive Models to Clinical Applications”* (Frontiers in Psychology)
- **Review Editor** for *Frontiers in Psychology*