

## **Eleonora Catricalà**

**Current Position:** since 18/05/2020 associate Professor (M-PSI/02) at the Institute of Advanced Studies (IUSS) of Pavia

Member of the Iuss Cognitive Neuroscience Center - ICoN, IUSS Pavia.

### **Leave periods:**

11/01/2019 - 11/06/2019 (maternity leave)

4/07/2019 - 28/12/2019 (illness leave)

### **Work experience:**

- 2016-2020 senior researcher ('RtdB', M-PSI/02) at the Institute of Advanced Studies (IUSS) of Pavia.

- 2014-2016 Post-doctoral researcher at the Institute of Advanced Studies (IUSS) of Pavia: neuropsychological and neuroimaging studies on language and semantic memory in health and neurodegenerative diseases.

- 2011-2014 Research Fellow at IRCCS Carlo Besta Neurological Institute in Milan: development of new Experimental Neuropsychology Service and coordination of clinical and research activities.

- 2008 Visiting research fellow at the Psychology department of the University of Wisconsin-Madison: computational models of semantic memory.

- 2007-2011 research fellowship and short contracts at the Laboratory of Cognitive Neuroscience of San Raffaele Vita Salute University and at Laboratory of Neuropsychology, Neurology Department, San Raffaele Hospital: fMRI and neuropsychological studies on semantic memory in health and neurodegenerative diseases.

- 2007 Research fellowship at the Neuropsychological Laboratory of IRCCS Istituto Auxologico Italiano, Milan: Research activity in neuropsychology.

### **Director:**

- Since 2023 – at present, Iuss Cognitive Neuroscience (ICON) center at the Institute of Advanced Studies (IUSS) of Pavia

### **Coordinator:**

- Since 2022 – at present, PhD in 'Cognitive Brain Sciences' at the Institute of Advanced Studies (IUSS) of Pavia in collaboration with University of Pavia.

### **Committee member:**

- since 2021- at present, Gender issues committee CRUI (as Rector's delegate)

- since 2022- at present, Gender balance committee, at the Institute of Advanced Studies (IUSS) of Pavia

- since 2021 – at present, Gender Equality Report Committee, at the Institute of Advanced Studies (IUSS) of Pavia

- Since 2022- at present, PhD in "Theoretical and Experimental Linguistics" at the Institute of Advanced Studies (IUSS) of Pavia.

- Since 2017- at present, PhD in "Cognitive neuroscience and philosophy of mind" at the Institute of Advanced Studies (IUSS) of Pavia.

- 2017 – 2018, paritetic committee at the Institute of Advanced Studies (IUSS) of Pavia.

### **Funded research-projects:**

- PRIN 2022 ASSO: Abstract conceptS and Social InteractiOn; as co-investigator

- 2017- 2019: 'A standardised, multilingual, Mini Linguistic State Examination (MLSE)' founded by Medical Research Council (Ref MR/N025881/1); Universities involved: St George's University

(Lead Centre), IUSS-Pavia, University of Cambridge, and University of Manchester.

**Awards:**

- 2018 Annual funding of basic research activities (FFARB 2017).
- 2008 Regione Lombardia (D4 del POR FSE OB.3 2000-2006) 'Support to the specialization of young researchers for the valorisation of research and technological transfer'.

**Teaching:**

- 2020 – at present, course of 'Neurobiology of Memory' for the Psychology, Neuroscience and Human Sciences, at University of Pavia and at the Institute of Advanced Studies (IUSS), Pavia.
- 2016 - at present, undergraduate courses of 'Research methods in clinical and cognitive neuroscience'/'Methods in Neuropsychology/ Clinical Research Methodology' at the Institute of Advanced Studies (IUSS), Pavia.
- 2016 - at present, PhD courses of 'Methods in cognitive neuroscience'/ 'Brain connectivity'/'Issues in neuropsychology'/'Issues in semantic memory/ Introduction to neuropsychology' at the Institute of Advanced Studies (IUSS), Pavia.
- 2015 - 2018, graduate course of 'History and methods in Psychology' at Postgraduate school in Neuropsychology of Vita-Salute San Raffaele University, Milan.
- 2006 to 2014 undergraduate courses of 'Neuropsychology'/'Neuropsychology of language'/'Foundation of Neuroscience' at the Faculty of Psychology of Vita-Salute San Raffaele University, Milan.

**Supervisor/ Co-supervisor of:**

- theses for the degree courses in 'Psychological sciences' and 'Cognitive Neuroscience' at the Vita-Salute San Raffaele University, Milan
- theses for the degree course in 'Biomedical Engineering' at the University of Bologna
- Phd students at the Institute of Advanced Studies (IUSS) of Pavia
- theses for the degree courses in Psychology, Neuroscience and Human Sciences, at University of Pavia and at the Institute of Advanced Studies (IUSS), Pavia.

**Tutor of:**

- post-graduate training period for psychologists in Experimental and Clinical psychology
- undergraduate students, biomedical science section, at the Institute of Advanced Studies (IUSS) of Pavia

**Education and training:**

- 30/11/2006 - 31/01/2011 PhD with highest grade in Experimental Psychology, Linguistics and Cognitive Neuroscience at the University of Milano-Bicocca. Final dissertation on 'Semantic memory in Alzheimer's disease: A normative, neuropsychological and fMRI study'.
- 2006-2007 Mandatory post-graduate training period for psychologists at the Vita-Salute San Raffaele University, Milan.
- 18/05/2005 Degree (M.Sc) in Experimental Psychology, University of Florence (Italy). Final dissertation on "Memorization of correlated patterns in a Hopfield network". Final result: Summa cum Laude.

**Associate Editor:**

Brain Sciences

**Reviewer Editor:**

Frontiers in Aging Neuroscience, Frontiers in Psychology, cognition, Frontiers in Quantitative Psychology and Measurement, Frontiers in Communication.

**Reviewer for indexed scientific journals:**

Cortex; Neuropsychologia; Journal of Alzheimer's disease; Behaviour Research Methods; Neurocase; Aphasiology; The Clinical Neuropsychologist; Neurological Sciences; Behavioural Neurology; Reviews in the Neurosciences; Dementia and Geriatric Cognitive Disorders; Cognitive, Affective, and Behavioral Neuroscience; Cognitive and behavioural Neurology; Neuroscience and behavioural review; Neurology; Brain and Cognition; Brain sciences; Journal of Neurology, Neurosurgery, and Psychiatry; Neurobiology of Aging; Journal of cognition.

**Invited speaker:**

- Catricalà E., "From SAND to the Italian MLSE ", MLSE International Workshop, London, 2023
- Catricalà E., "Conversational language analysis and diagnostic markers", SINDEM, Firenze, 2022;
- Catricalà E., "La valutazione neuropsicologica alla scrivania del Medico di medicina Generale. Razionale e metodo per applicazione rapida di 1° screening" Congresso nazionale SNAMI 4Science, Riva del Garda, 2017;
- Catricalà E., "Attualità in tema di demenza: il punto sulla neuropsicologia" SIN-SNO, Torino, 2016;
- Catricalà E., "Linguaggio nella patologia neurodegenerative" 16° congresso nazionale dell'Associazione Italiana Psicogeriatría (AIP), Firenze, 2016;
- Catricalà E., Polito C., "Afasia primaria progressiva: quadri atipici tra clinica e neuroimaging" XI convegno nazionale dell'Associazione Autonoma Aderente alla SIN per le Demenze (SINDEM), Firenze, 2016;
- Catricalà E., "Valutare la memoria semantica", 15° congresso nazionale dell'Associazione Italiana Psicogeriatría (AIP), Firenze, 2015;
- Catricalà E., "La Valutazione Cognitiva in soggetti con MCI", IX convegno nazionale dell'Associazione Autonoma Aderente alla SIN per le Demenze (SINDEM), Firenze, 2014;
- Catricalà E., "Valutazione della Memoria Episodica", XLIV convegno nazionale della Società Italiana di Neurologia (SIN), Milano, 2013.

**Research interests:** To investigate the organization and the neural correlates of language and semantic memory, through a multidisciplinary approach, including neuropsychological, neuroimaging and neurostimulation studies in healthy subjects and neurodegenerative diseases (i.e. Alzheimer's Disease, Frontotemporal Lobar Degeneration).

**Publications:**

<https://pubmed.ncbi.nlm.nih.gov/?term=catrical%C3%A0+e&sort=date>

Pavia, 15/04/2024

Eleonora Antiscombe