

CV Prof. Maria Chiara Passolunghi

1. Current Academic position

2013-Present Full Professor of Developmental and Educational Psychology (Academic Discipline M-PSI/04; Academic recruitment Fields 11/E2), Department of Life Sciences, University of Trieste

1.1. Previous Academic position

2005-2013 Associate Professor, University of Trieste

2001-2005 Associate Professor, University of Milano-Bicocca

2. Research Interests:

- a) Cognitive and emotional factors underlying math learning and mathematical learning disabilities
- b) Role of working memory in calculation and arithmetic word problem
- c) Cognitive precursors of early math learning in preschoolers and primary school children
- d) Training studies on early numerical abilities and working memory
- e) Relationship between math anxiety and mathematics learning
- f) Endorsement of implicit and explicit math gender stereotype in children and adolescent.

3. Teaching

I teach graduate, post-graduate, master and PhD levels courses University of Trieste (teaching topics: Developmental Psychology; Mathematical Cognition: assessment and training; Learning Disabilities). I also teach Mathematical Cognition in “Learning Psychopathology” master course of the University of Padova. I am responsible of the laboratory of Child Development and Learning, University of Trieste. I was supervisor of many graduate and postgraduate students’ thesis, in the last five year I was supervisor of 5 PhD and 3 post doc at University of Trieste.

4. Principal Investigator of recent funded research projects

2017-current HEaD POR FSE project on “videosharing on early numeracy”.

2014-16 “Identification of cognitive and emotional precursors of math learning” FRA project, University of Trieste.

2012-14 “Influence of cognitive factors, beliefs and stereotypes on mathematical learning”, FRA project, University of Trieste.

2009-10 “Executive functions: decision and problem solving”, “Progetto d’Ateneo” University of Trieste.

2003-05 Research coordinator of Unity of University of Milano-Bicocca, PRIN Project: “Executive functioning and mathematical disability: inhibitory and updating processes”.

I have also recruited National grant for doctoral and post-doctoral fellowship

5. Editorial activity

I am member of the editorial board of Journal of Learning Disabilities (SAGE publishing), EUT (Edizioni Università di Trieste), Psicologia e Scuola (Giunti Editrice), Quaderni CIRD, Rivista del Centro Interdipartimentale per la Ricerca Didattica dell’Università di Trieste.

I served as peer reviewer for the following international scientific journals (Child Development, Contemporary Educational Psychology, Developmental Neuropsychology, Learning and Instruction, Learning and Individual differences, European Journal of Cognitive Psychology, Journal of Experimental Child Psychology, Trends in Neuroscience and Education) as well as Italian journals (Giornale Italiano di Psicologia, Età Evolutiva, Ricerche di Psicologia, Psicologia Clinica dello sviluppo).

6. Conference/Symposium organization

Chair and organizer of International Conference:

2012 IXth European Conference on Psychological Theory and Research on Intellectual and Developmental Disabilities (ECIDD)

Chair and organizer of International and National Symposia

2018 Working memory and executive functions in individuals with intellectual disabilities. 12th European Conference on Psychological Theory and Research on Intellectual and Developmental Disabilities (ECIDD)

2017 How to improve calculation and number knowledge: efficacy of training and educational contest. XXVI National Congress AIRIPA

2016 Mathematics learning: cognitive and emotional Factors. XXIX National Congress AIP

2014 Training on working memory and early mathematics ability. XXIII National Congress AIRIPA

2013 How to promote learning: training on cognitive abilities. XXVI National Congress AIP

2011 Influence of cognitive factors on learning processes. XXIV National Congress AIP

7. Memberships of scientific societies

Member of EARLI (European Association for Research on Learning and Instruction), MCLS (Mathematical Cognition and Learning Society), ECIDD, (European Association on Research on Intellectual and Developmental Disabilities), IARLD (International Academy for Research in Learning Disabilities), AIP (Associazione Italiana di Psicologia), AIRIPA (Associazione Italiana per la Ricerca e l'Intervento nella Psicopatologia)

8. Selection of recent invited talks

2018 Main Lecture: *The influence of cognitive and emotional factors on mathematics learning*. 13th Alps Adria Psychology Conference, University of Ljubljana, Slovenia.

2018 Main Lecture: *Origins of children's mathematical learning difficulties*. Bravo Conference, University of Ljubljana, Slovenia.

2018 Invited seminar: Mathematics Anxiety, Working Memory and Mathematics Performance. University of Belfast, UK

2018 Invited Symposium: *Math Anxiety: from psychophysiology to interventions, through genetic and learning*. 1st Mathematical Cognition and Learning Society Conference, University of Oxford, UK.

2017 Main Lecture: *Working memory and learning mathematics in typical and atypical development*. XI National Congress AIDAI-AIRIPA. University of Trieste, Italy.

2016 Invited Symposium: *Number development in atypical populations: theoretical and practical implications*. Annual Conference of the British Psychological Society, University of Belfast, UK.

- 2016 Main Lecture: *Mathematic learning: role of anxiety and gender stereotype*. X Conference on Mathematical and Science Learning, University of Genova, Italy.
- 2015 Invited Symposium: *Cognitive and academic skill interventions and support for low performing students*. 16th Biennial Earli Conference, University of Limassol, Cyprus.
- 2014 Main Lecture: *Precursors of early mathematics and early intervention programs*. International Seminar on Mathematical Learning Difficulties. University of Helsinki, Finland.
- 2014 Main Lecture: *Cognitive Components of Mathematical Learning Disabilities*, II International Symposium of Cognitive Psychology, UNED University, Madrid, Spain.
- 2013 Invited Symposium: *What precursors and predictors of mathematics and mathematical disabilities tell us about Sustainable Learning of mathematics*. 15th Early Biennial Conference, Munich, Germany
- 2012 Main Lecture: *Learning difficulties*. IRCSS Burlo and University of Trieste, Trieste, Italy.
- 2010 Main Lecture: *How to improve children mathematical abilities?* University of Cadiz, Spain.
- 2010 Main Lecture: *Learning Disabilities in Mathematics*. Bravo Conference, University of Ljubljana, Slovenia.
- 2009 Main Lecture: *Working memory failures in children with arithmetical disabilities*. University of Frankfurt and DIPF Center, Frankfurt, Germany.
- 2009 Main Lecture: *Cognitive and metacognitive abilities in arithmetic learning*. University of Cadiz, Spain.

9. Dissemination

I do also an extensive activity of dissemination of the results of my research to parents, teachers, educational and clinical psychologists. Recently, I participated at Trieste Next Exposition (25-27 September, 2015) on the topic “Memory: deficit and enhancement”, <http://triestenext.veneziepost.it/> I also participated as invited speakers (with Carlo Tomasetto of University of Bologna-Cesena) at “Festival della Scienza di Genova (Science Festival)”, October, 2015, on the topics: “Males and females: stereotypes could influence our learning?” This festival had a large audience and reached 180.000 visitors in 11 days, <http://www.festivalscienza.it/site/home.html>

10. Publications

I published over 60 peer-reviewed articles on working memory, emotional factors and mathematical development in national and international journals, and 7 national books (three books on learning assessment, two books on the enhancement of early mathematical abilities, two books -and two software- on arithmetic word problem cognitive training). I attended many National and International Conference and Congress and published in several Conference and Congress Proceeding.

Bibliometric Index:

Scopus Total citations = 1601 H-index = 18 (H Index 5= Value of Academic recruitment Fields 11/E2).

Google scholar Total citations = 3229, H-index = 23; i10-index = 30

List of International Publications

see

ORCID: <http://orcid.org/0000-0001-6713-866X>

Scopus Author ID: 56047533700

For an almost complete list of publications, see the IRIS system of the University of Trieste