

Silvia Lanfranchi

Associate professor of Developmental Psychology at the Department of Developmental and Socialization Psychology, University of Padova,

2017 National Scientific Qualification to Full Professor

Teaching (University of Padova)

Bachelor and master courses:

2008 to present: Developmental Psychology

2008-2010 Intellectual disabilities

2004-2009 Developmental Psychopathology

2008-2009 Life Span Psychology

2008-2009 Educational Psychology

International teaching

2013-2015 Intellectual disabilities Faculty of Psychology, University of Crete Rethymno

2010 to present Member of the PhD College Board of the School of Doctorate in Psychological Sciences

2018 Vice director of Second Level Master in Developmental Psychopathology

Instruction and research experiences

- 1/03/2006 to 28/02/2008 post doctoral research fellow, University of Padova. Project “Mental retardation due to genetic syndromes: working memory and logical thinking”.
- 15/03/2006 PhD in Developmental and Socialization Psychology, University of Padova.
- State Registered Psychologist (number 4335).

Foreign experiences

Visitor researcher at University of Malta (prof. Tanti Burlò), University of York (prof. Baddeley and Gathercole), University of California, Riverside (prof. Swanson), University of Crete.

Scientific activities

- Ad hoc reviewer for several international journals
- Member of the scientific board of the journal Life Span and Disability
- Member of the scientific committee of the European Conference on Intellectual and Developmental Disability, and of the CNIS national conference.
- Chair of the 11th European Conference on Intellectual and Developmental Disability (2017)
- Guest editor of the Frontiers Research Topic “Improving working memory in learning and intellectual disabilities” (2016)

Founding

- Participant to the project “Improving number and math skills in children with Down Syndrome through cognitive training with an adaptive computer game” founded by the Jerome Lejeune Foundation. PI Marco Zorzi.
- Participant to Progetto di Ateneo 2014 “How “spatial” are mental representations for a “special” population? Inputs, perspectives, aids, and individual differences in environment learning in Down syndrome” PI Chiara Meneghetti
- Principal investigator Progetto di Ateneo 2012 “A visuo-spatial working memory training for individuals with Down syndrome”
- Principal investigator Ex 60% Years 2013, 2014, 2015, 2016: “Working memory and executive function in intellectual disability”
- Member Ex 60% Years 2012, 2011, 2010, 2009.

- Member of the Strategic Project Unipd 2008 "Difficoltà e disturbi di apprendimento dalla scuola dell'obbligo all'università: rilevazione, intervento e servizi per il territorio"

Prizes

- AIP Award for the best doctoral thesis (2006)
- AIP Young Researchers Award (2005)

Papers

- Meneghetti, C., Toffalini, E., Carretti, B., e Lanfranchi, S. (2018). Mental rotation ability and everyday life spatial activities in individuals with DS. *Research on Developmental Disabilities*, 72, 33-41
- Toffalini, E., Meneghetti, C., Carretti, B., e Lanfranchi, S. (2017). Learning Environment from Virtual Exploration in Individuals with Down syndrome: The Role of Perspective and Maps. *Journal on Intellectual Disability Research*.
- Lanfranchi, S., Pulina, F., Carretti, B. e Mammarella, I. C. (2017). Increasing spatial-simultaneous working memory in individuals with Down syndrome. *Research on Developmental Disabilities* doi:10.1016/j.ridd.2017.03.012
- Meneghetti, C., Lanfranchi, S., Carretti, B. and Toffalini, E. (2017). Visuo-spatial knowledge acquisition in individuals with Down syndrome: The role of descriptions and sketch maps. *Research in Developmental Disabilities*, 63, 46-58.
- Lanfranchi S. and Carretti, B. (2016). Improving working memory in learning and intellectual disabilities. *Frontiers in Psychology*, 7:725. doi: 10.3389/fpsyg.2016.00725
- Rodriguez M., Pulina, F., and Lanfranchi S. (2015). Video games and Intellectual Disabilities: a literature review. *Life Span and Disability*, 18, 2, 147-165
- Pulina, F., Carretti, B., Lanfranchi, S. and Mammarella, I. (2015). Improving spatial-simultaneous working memory in Down syndrome: effect of a training program led by parents instead of an expert. *Frontiers in Psychology*, 6, 1265 doi: 10.3389/fpsyg.2015.01265
- Danielsson, H., Zottarel, V., Palmqvist, L., and Lanfranchi, S. (2015). The effectiveness of working memory training with individuals with intellectual disabilities—a meta-analytic review. *Frontiers in Psychology*, 6, 1230 doi: 10.3389/fpsyg.2015.01230
- Lanfranchi, S., Avenaggiato, F., Jerman, O., and Vianello, R. (2015). Numerical skills in children with Down syndrome. Can they be improved? *Research in Developmental Disabilities*, 45, 129-135 doi: 10.1016/j.ridd.2015.07.006
- Lanfranchi, S., De Mori, L., Mammarella, I. C., Carretti, B., and Vianello, R. (2015) Spatial-Sequential and Spatial-Simultaneous Working Memory in Individuals With Williams Syndrome. *American Journal on Intellectual and Developmental Disabilities*, 120, 3, 193-202 doi:10.1352/1944-7558-120.3.193
- Carretti, B., Lanfranchi, S., De Mori, L., Mammarella, I., and Vianello R. (2015) Exploring spatial working memory performance in individuals with Williams syndrome: The effect of presentation format and configuration. *Research in Developmental Disabilities*, 37, 37-44 doi: 10.1016/j.ridd.2014.10.031
- Lanfranchi, S., Berteletti, I., Torrisi, E., Vianello, R., and Zorzi, M. (2015). Numerical estimation in individuals with Down syndrome. *Research in Developmental Disabilities*, 36, 222-229 doi: 10.1016/j.ridd.2014.10.010.
- Passolunghi, M. C., Lanfranchi, S., Sollazzo, N., e Altoè, G. (2015). Early numerical abilities and cognitive skills in kindergarten children. *Journal of Experimental Child Psychology*, 135, 25-42 doi: 10.1016/j.jecp.2015.02.001
- Lanfranchi, S., Mammarella, I. C., Carretti B. (2015). Spatial-simultaneous working memory and selective interference in Down syndrome. *Child Neuropsychology*, 21, 4 481-489 doi: 10.1080/09297049.2014.913557
- Vianello, R. and Lanfranchi, S. (2015). Looking beyond the alibi that not everything functions perfectly in Italy: a response to Anastasiou, Kauffman and Di Nuovo. *European Journal of Special Needs Education*, doi: 10.1080/08856257.2015.1079032
- Lanfranchi, S., Toffanin, E., Zilli, S., Panzeri, B., and Vianello, R. (2014). Memory coding in individuals with Down syndrome. *Child Neuropsychology*, 20, 6, 700-712 doi: 10.1080/09297049.2013.856396

- Sella, F., Lanfranchi, S., and Zorzi, M. (2013). Enumeration skills in Down syndrome Research in Developmental Disabilities 34 (11) PP. 3798 - 9806 doi: 10.1016/j.ridd.2013.07.038
- Lanfranchi, S. (2013). Is the WISC-IV General Ability Index a useful tool for identifying intellectual disability? Developmental Medicine and Child Neurology 55 (9) PP. 782 - 783 doi: 10.1111/dmcn.12210
- Carretti, B., Lanfranchi, S., and Mammarella, I. (2013). Spatial-simultaneous and spatial-sequential working memory in individuals with Down syndrome: The effect of configuration Research in Developmental Disabilities 34 (1) PP. 669 – 675 doi: 10.1016/j.ridd.2012.09.011
- Borella, E., Carretti, B., and Lanfranchi, S. (2013). Inhibitory mechanisms in Down syndrome: Is there a specific or general deficit? Research in Developmental Disabilities 34 (1) PP. 65 - 71 doi: 10.1016/j.ridd.2012.07.017
- Vianello, R., Lanfranchi, S., and Pulina, F. (2013). Students with disabilities and with special educational needs: A reply to Giangreco, Doyle and Suter (2012). Life Span and Disability, 16,2, 219 – 227
- Lanfranchi S, and Vianello R (2012). Stress, Locus of Control, and Family Cohesion and Adaptability in Parents of Children with Down, Williams, Fragile X, and Prader-Willi Syndromes. American Journal On Intellectual And Developmental Disabilities, 117, 207-224 doi: 10.1352/1944-7558-117.3.207.
- Passolunghi, M. C., Lanfranchi, S., (2012). Domain-specific and domain-general precursors of mathematical achievement: A longitudinal study from kindergarten to first grade. The British Journal Of Educational Psychology, 82, 42-63 doi:10.1111/j.2044-8279.2011.02039.x.
- Lanfranchi S., Carretti B. (2012). The Increase in Colored Progressive Matrices Test Performance in Individuals With Down Syndrome: A Qualitative and Quantitative Review. Journal Of Cognitive Education And Psychology, 11, 143-158, doi: 10.1891/1945-8959.11.2.143
- Lanfranchi S., Baddeley A. D., Gathercole S. E., Vianello R. (2012). Working memory in Down syndrome: is there a dual task deficit?. Journal of Intellectual Disability Research, 56, 157-166 doi: 10.1111/j.1365-2788.2011.01444.x
- Vianello, R., Lanfranchi, S., Pulina, F., Bidinost, S. (2012). Italian standardization of the dynamic version of the Logical Operations and Conservation test (LOC-DV), Life Span and Disability, 15, 1, 69-96.
- Vianello, R, Lanfranchi, S. (2011). Positive effects of the placements of students with intellectual developmental disabilities in typical class. Life Span and Disability, XIV, 1, 75-84.
- Carretti, B. Lanfranchi, S. (2010). The effect of configuration on VSWM performance of Down syndrome individuals. Journal of Intellectual Disability Research, 54, 12, 1058-1056. doi: 10.1111/j.1365-2788.2010.01334.x
- Lanfranchi S., Jerman, O., Dal Pont E., Alberti, A., Vianello R. (2010). Executive function in adolescents with Down syndrome. Journal of Intellectual Disability Research, 54, 4, 308-319. doi: 10.1111/j.1365-2788.2010.01262.x
- Lanfranchi S., Carretti, B., Spanò G. and Cornoldi C. (2009) A specific deficit in visuo-spatial simultaneous working memory in Down syndrome. Journal of Intellectual Disability Research, 53, 5, 474-483 doi: 10.1111/j.1365-2788.2009.01165.x
- Lanfranchi S. , Jerman, O. and Vianello R. (2009) Working memory, cognitive skills in individuals with Down syndrome. Child Neuropsychology, 15,4 397-416 doi: 10.1080/09297040902740652
- Vianello, R., & Lanfranchi, S. (2009). Genetic syndromes causing mental retardation: deficit and surplus in school performance and social adaptability compared to cognitive functioning. Life Span and Disability, XII, 1, 41-52. ISSN 2035-5963
- Lanfranchi S., Cornoldi C., Drigo S. and Vianello R. (2008) Working memory in individuals with fragile X syndrome Child Neuropsychology 15, 2, 105-119, doi: 10.1080/09297040802112564
- Fuggetta, G., Lanfranchi S. and Campana, G (2009). Attention has memory: Priming for the size of attentional focus. Spatial Vision, 22, 2, 147-159
- Lanfranchi S. and Vianello R. (2008) A battery for assessing short-term and working memory in preschoolers: preliminary results. In N. B. Johansen (Ed) New Research on Short-Term Memory (pp.207-222). New York: Nova Science Publishers. ISBN: 9781604565485
- Lanfranchi S., Lucangeli, D, Jerman, O. and Swanson H. L. (2008) Math Disabilities: An Italian and U.S. Perspective. In T. Scuggs and M. Mastropieri (Eds) Advances in Learning and Behaviour Disabilities. (pp. 277-308) Greenwich, CT: JAI Press. ISSN: 0735-004X DOI 10.1016/S0735-004X(08)00011-6

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- Lanfranchi, S., and Vianello R. (2006) Memory profiles in individuals with mental retardation due to genetic causes. In J. V. Engels (Ed) *Focus on Birth Defects Research* (pp. 53-80). New York: Nova Science Publishers. ISBN 10: 1594549591 / ISBN 13: 9781594549595
- Lanfranchi, S., and Swanson, H. L. (2005). Development of Short-Term Memory and Working Memory in Children as a Function of Language Specific knowledge in English and Spanish. *Learning and Individual Differences*, 15, 299-319
- Lanfranchi S., Cornoldi C. and Vianello R. (2004) Verbal and Visuospatial Working Memory Deficits in Children with Down Syndrome. *American Journal on Mental Retardation*. 109, 6 456–466
- Lanfranchi S., Cornoldi C. and Vianello R. (2002). Working Memory Deficits in individuals With and Without Mental Retardation. In *Journal of Cognitive Education and Psychology*, 2, 3, 301-312 ISSN 1945-8959