



Enrico Toffalini

Associate Professor of General Psychology

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Academic positions

- October 2025 – present** **Associate Professor**, Università degli Studi di Padova
Department of General Psychology · Padova, Italia
Current academic position.
- October 2022 – October 2025** **Fixed-term Researcher (type B)**, Università degli Studi di Padova
Department of General Psychology · full-time · Padova, Italia
- July 2021 – October 2022** **Fixed-term Researcher (type A)**, Università degli Studi di Padova
Department of General Psychology · full-time · Padova, Italia
- March 2018 – June 2021** **Two type-B research fellowships**, Università degli Studi di Padova
Department of General Psychology · Padova, Italia
Projects: 1. Emotional false memories: the role of distinctiveness and working memory; 2. Assessment of intra-individual variability in learning disorders: effects of time of testing and chronotype.
- January 2016 – February 2018** **Two type-A research fellowships**, Università degli Studi di Padova
Department of General Psychology · Padova, Italia
Supervisor: Chiara Meneghetti, Cesare Cornoldi

Education

- April 18, 2016** **PhD in Psychological Sciences**, Università degli Studi di Padova
Thesis: *Inferential false memories for emotional events* · Supervisor: Cesare Cornoldi
- June 20, 2012** **Master's degree in Experimental Psychology**, Università degli Studi di Padova
Grade: 110/110 con lode · Supervisor: Cesare Cornoldi · Co-supervisor: Annika Melinder
- June 2007** **Technical diploma in Computer Science**, ITIS G. Marconi
Grade: 100/100 con lode

Research interests, collaborations, and affiliations

Research interests: human intelligence; intelligence in typical and atypical development; dimensional approaches to neurodevelopmental disorders; meta-research; quantitative methods and research design in psychology; power/design analysis and Monte Carlo simulations.

Reported metrics: Peer-reviewed articles: over 100 (Scopus; as of February 2026); Co-authors: over 250 (Scopus; as of February 2026).

Collaborations: University of Cambridge; University of Missouri; Universitetet i Oslo; City University London; Liverpool John Moores University; Università La Sapienza; Università di Genova.

Scientific memberships: Member: AIRIPA - Associazione Italiana per la Ricerca e l'Intervento nella Psicopatologia dell'Apprendimento (2017 – present); Affiliate member: AIP - Associazione Italiana di Psicologia, Sezione Sperimentale (2014 – present).

Research groups: Member: [Memory & Learning Lab](#) – Research group on memory, learning, and individual differences. Member: [PsicoStat](#) – Interdepartmental and interdisciplinary research group on psychology and applied statistics.

Professional registration: Albo degli Psicologi del Veneto, n. 11327 (April 2019).

Funded projects

- November 2023 – present** **Time processing skills in primary school children with ADHD: A multi-informant approach to diagnosis and intervention**
Progetti di Rilevante Interesse Nazionale - PRIN-PNRR (2022) · Co-principal investigatorcode P2022ZKAH8 · CUP C53D23009190001 · Total project funding: €224,951
- October 2023 – present** **Tails or types? Testing the dimensional hypothesis in neurodevelopmental disorders**
Progetti di Rilevante Interesse Nazionale - PRIN (2022) · Principal investigatorcode 2022KBW99S · CUP C53D23004210006 · Total project funding: €195,296
- 2026** **STRATYS - Linking personality and daily stress: an intensive ecological assessment of psychological and physiological responses**
Project of Interest for the Department - PRID (2026) · Principal investigatorDepartment contribution: €9,095
- 2023** **PIO - Perspective on Intelligence Ontogeny**
Project of Interest for the Department - PRID (2023) · Co-principal investigatorDepartment contribution: €10,000

Scientific event organization

- 17/02/2025 – 21/02/2025** **Lead and coordinator** – International Winter School 2025: The 4Ms: Meta-research, Measurement, Multi-lab, and Multiverse data analysis in Behavioral Sciences
Università degli Studi di Padova · Padova, Italia · Initiative co-funded by the University of Padua International Relations Division, DPG, DPSS, DSS, DNS, and the Italian Association of Psychology.
- February 2023 – present** **Organizer** – HandZone workshop
PsicoStat · Padova, Italia · In-person meetings on methodological, meta-scientific, and statistical topics in psychology for doctoral students, postdoctoral researchers, and early-career researchers.
- 07/06/2019 – 08/06/2019** **Organizing committee and executive board member** – [1° convegno internazionale The SRLD](#)
The Society for Research on Learning Disorders · Padova, Italia
- February 2019** **Organizing committee member** – International Winter School 2019: Beyond $p < .05$: modern statistical approaches in psychological science
DPSS, Università degli Studi di Padova · Padova, Italia
- June 2018** **Organizing committee member** – 16° European Workshop on Imagery and Cognition (EWIC)
Padova, Italia

Publications

International peer-reviewed journal articles

1. F. Cortesi, I. Polenghi, A. Gambarini, G.M. Marzocchi, G. Mioni, A. Ogliari, **E. Toffalini**, & V. Tobia (2026). Time processing skills in individuals with math impairment and developmental dyscalculia. *Research in Developmental Disabilities*, **168**, 105182. [doi:10.1016/j.ridd.2025.105182](https://doi.org/10.1016/j.ridd.2025.105182).

2. **E. Toffalini**, E. Borella, L. Pezzuti, J. Dawe, & C. Cornoldi (2025). Intellectual giftedness in adult lifespan: just a dimensional account or are there areas especially sensitive to high potential?. *Personality and Individual Differences*, **245**, 113274. doi:10.1016/j.paid.2025.113274.
3. A. Perugini, F. Gambarota, **E. Toffalini**, D. Lakens, M. Pastore, L. Finos, Psicostat Core Team, & G. Altoè (2025). The benefits of reporting critical effect size values. *Advances in Methods and Practices in Psychological Science*, **8**(2), 1-10. doi:10.1177/2515245925133529.
4. S. Pelegrina, **E. Toffalini**, & M. E. Martín-Puga (2025). Stability of math anxiety and its relation with math performance over time: A meta-analysis of longitudinal studies. *Journal of Educational Psychology*. doi:10.1037/edu0001008.
5. L. Esposito, D. Giofrè, **E. Toffalini**, & D. C. Geary (2025). Sex differences in variability: Evidence from math and reading assessment in Italy. *Personality and Individual Differences*, **247**, 113410. doi:10.1016/j.paid.2025.113410.
6. C. Costa, R. Pezzetta, **E. Toffalini**, M. Grassi, G. Cona, C. Miniussi, P. J. Bauer, S. Borgomaneri, M. Brysbaert, C. D. Chambers, N. Edelstyn, A. Eerland, S. J. Gilbert, M. A. Nitsche, R. A. Poldrack, A. Puce, K. R. Ridderinkhof, T. Y. Swaab, C. Umiltà, M. Wiener, & C. Scarpazza (2025). Enhancing the quality and reproducibility of research: Preferred Evaluation of Cognitive and Neuropsychological Studies - The PECANS statement for human studies. *Behavior Research Methods*, **57**, 182. doi:10.3758/s13428-025-02705-3.
7. S. Caviola, D. Giofrè, T. Feraco, **E. Toffalini**, K. Allen, & D. Geary (2025). Exploring the mediating role of academic anxiety in mathematics and reading performance among boys and girls: A comprehensive study of Italian fifth graders. *Learning and Individual Differences*, **122**, 102726. doi:10.1016/j.lindif.2025.102726.
8. **E. Toffalini**, F. Gambarota, A. Perugini, P. Girardi, V. Tobia, G. Altoè, D. Giofrè, & T. Feraco (2024). Clusters that are not there: An R tutorial and a Shiny app to quantify a priori inferential risks when using clustering methods. *International Journal of Psychology*, **59**(6), 1183-1198. doi:10.1002/ijop.13246.
9. M. Szczygiel, D. Szűcs, & **E. Toffalini** (2024). Math anxiety and math achievement in primary school children: Longitudinal relationship and predictors. *Learning and Instruction*, **92**, 101906. doi:10.1016/j.learninstruc.2024.101906.
10. E. Sella, M. Vincenzi, E. Carbone, E. G. Schellenberg, C. Lima, **E. Toffalini**, & E. Borella (2024). Effects of music listening on cognition and affective state in older adults: A systematic review and meta-analysis. *European Psychologist*, **29**(3), 199-215. doi:10.1027/1016-9040/a000533.
11. D. Giofrè, R. Lievore, K. Allen, I. Tonizzi, I. C. Mammarella, & **E. Toffalini** (2024). Understanding sex/gender differences in intelligence profiles of children with Autism: A comprehensive WISC meta-analysis. *Research in Developmental Disabilities*, **154**(July), 104854. doi:10.1016/j.ridd.2024.104854.
12. D. Giofrè, **E. Toffalini**, L. Esposito, & C. Cornoldi (2024). Sex/gender differences in general cognitive abilities: an investigation using the Leiter-3. *Cognitive Processing*, **25**(4), 663-672. doi:10.1007/s10339-024-01199-9.
13. D. Giofrè, **E. Toffalini**, A. Perugini, L. Esposito, G. Amoretti, & D. C. Geary (2024). Sex differences in cognition: A meta-analysis of variance ratios in the Wechsler Intelligence Scales for Children. *Personality and Individual Differences*, **229**, 112776. doi:10.1016/j.paid.2024.112776.
14. T. Feraco & **E. Toffalini** (2024). SEMbeddings: how to evaluate model misfit before data collection using large-language models. *Frontiers in Psychology*, **15**, 1433339. doi:10.3389/fpsyg.2024.1433339.
15. E. Donolato, **E. Toffalini**, C. Cornoldi, & I. C. M. Mammarella (2024). In emotion and reading motivation, children with a diagnosis of dyslexia are not just the end of a continuum. *Dyslexia*, **30**(3), e1778. doi:10.1002/dys.1778.
16. S. Caviola, S. Greiff, & **E. Toffalini** (2024). Learning disorders and difficulties: From a categorical to a dimensional perspective. *Learning and Individual Differences*, **113**, 102490. doi:10.1016/j.lindif.2024.102490.

17. M. Taddei, S. Bulgheroni, **E. Toffalini**, C. Pantaleoni, & S. Lanfranchi (2023). Developmental profiles of young children with autism spectrum disorder and global developmental delay: A study with the Griffiths III scales. *Autism Research*. doi:10.1002/aur.2953.
18. D. Szucs & **E. Toffalini** (2023). Maths anxiety and subjective perception of control, value and success expectancy in mathematics. *Royal Society Open Science*, **10**, 231000. doi:10.1098/rsos.231000.
19. E. Sella, E. Carbone, M. Vincenzi, **E. Toffalini**, & E. Borella (2023). Efficacy of memory training interventions targeting metacognition for older adults: a systematic review and meta-analysis. *Aging & Mental Health*, **27**(4), 674-694. doi:10.1080/13607863.2022.2122931.
20. E. Pizzigallo, C. Cornoldi, S. Buono, S. Città, F. Viola, & **E. Toffalini** (2023). The intellectual profile of adults with specific learning disabilities. *Journal of Intelligence*, **11**, 223. doi:10.3390/jintelligence11120223.
21. J. Pietschnig, S. Oberleiter, **E. Toffalini**, & D. Giofrè (2023). Reliability of the g factor over time in Italian INVALSI data (2010-2022): what can achievement-g tell us about the Flynn effect?. *Personality and Individual Differences*, **214**, 112345. doi:10.1016/j.paid.2023.112345.
22. D. Giofrè, **E. Toffalini**, L. Esposito, & C. Cornoldi (2023). Gender Differences in the Wechsler Intelligence Scale for Children in a Large Group of Italian Children with Attention Deficit Hyperactivity Disorder. *Journal of Intelligence*, **11**(9), 178. doi:10.3390/jintelligence11090178.
23. E. Donolato, **E. Toffalini**, K. Rodge, A. Nordhal-Hansen, A. Lervåg, C. Norbury, & M. Melby-Lervåg (2023). Oral language interventions can improve language outcomes in children with neurodevelopmental disorders: A systematic review and meta-analysis. *Campbell Systematic Reviews*, **19**, e1368. doi:10.1002/cl2.1368.
24. C. Cornoldi, D. Giofrè, & **E. Toffalini** (2023). Cognitive characteristics of intellectually gifted children with a diagnosis of ADHD. *Intelligence*, **97**, 101736. doi:10.1016/j.intell.2023.101736.
25. M. Bolognesi, **E. Toffalini**, & F. Pazzaglia (2023). Perceived psychological restorativeness in relation to individual and environmental variables: a study conducted at Poetto beach in Sardinia, Italy. *Sustainability*, **15**(3), 2794. doi:10.3390/su15032794.
26. **E. Toffalini**, S. Buono, & C. Cornoldi (2022). The structure, profile, and diagnostic significance of intelligence in children with ADHD are impressively similar to those of children with a specific learning disorder. *Research in Developmental Disabilities*, **129**, 104306. doi:10.1016/j.ridd.2022.104306.
27. **E. Toffalini**, P. Girardi, D. Giofrè, & G. Altoè (2022). Entia non sunt multiplicanda... Shall I look for clusters in my cognitive data?. *PLOS ONE*, **17**(6), e0269584. doi:10.1371/journal.pone.0269584.
28. E. Sella, **E. Toffalini**, L. Canini, & E. Borella (2022). Non-pharmacological interventions targeting sleep quality in older adults: a systematic review and meta-analysis. *Aging & Mental Health*. doi:10.1080/13607863.2022.2056879.
29. S. Lanfranchi, C. Meneghetti, **E. Toffalini**, & B. Carretti (2022). Individuals with Down syndrome: Editorial. *Brain Sciences*, **12**(3), 398. doi:10.3390/brainsci12030398.
30. D. Giofrè, K. Allen, **E. Toffalini**, & S. Caviola (2022). The impasse on gender differences in intelligence: a meta-analysis on WISC batteries. *Educational Psychology Review*, **34**(4), 2543-2568. doi:10.1007/s10648-022-09705-1.
31. D. Giofrè, K. Allen, **E. Toffalini**, I. C. Mammarella, & S. Caviola (2022). Decoding gender differences: intellectual profiles of children with specific learning disabilities. *Intelligence*, **90**, 101615. doi:10.1016/j.intell.2021.101615.
32. C. Cornoldi, D. Giofrè, I. C. Mammarella, & **E. Toffalini** (2022). Emotional response to testing in gifted and highly-gifted children. *Gifted Child Quarterly*, **66**(3), 208-219. doi:10.1177/00169862211042901.
33. S. Caviola, **E. Toffalini**, D. Giofrè, J. Mercader Ruiz, D. Szűcs, & I. C. Mammarella (2022). Math performance and academic anxiety forms, from sociodemographic to cognitive aspects: a meta-analysis on 906,311 participants. *Educational Psychology Review*, **34**(1), 363-399. doi:10.1007/s10648-021-09618-5.

34. B. Carretti, D. Giofrè, **E. Toffalini**, C. Cornoldi, M. Pastore, & S. Lanfranchi (2022). Structure of working memory in children from 3 to 8 years old. *Developmental Psychology*, **58**(9), 1687-1701. [doi:10.1037/dev0001385](https://doi.org/10.1037/dev0001385).
35. B. Carretti, C. Cornoldi, A. Antonello, L. Di Criscienzo, & **E. Toffalini** (2022). Inferring the performance of children with dyslexia from that of the general population: The case of associative phonological working memory. *Scientific Studies of Reading*, **26**(1), 47-60. [doi:10.1080/10888438.2021.1897596](https://doi.org/10.1080/10888438.2021.1897596).
36. B. Carretti, C. Meneghetti, E. Doerr, **E. Toffalini**, & S. Lanfranchi (2022). Developmental trajectories of spatial-sequential and spatial-simultaneous working memory in Down syndrome. *Journal of Intellectual Disability Research*, **66**(1-2), 81-93. [doi:10.1111/jir.12904](https://doi.org/10.1111/jir.12904).
37. **E. Toffalini**, D. Giofrè, M. Pastore, B. Carretti, F. Fraccadori, & D. Szűcs (2021). Dyslexia treatment studies: A systematic review and suggestions on testing treatment efficacy with small effects and small samples. *Behavior Research Methods*, **53**(5), 1954-1971. [doi:10.3758/s13428-021-01549-x](https://doi.org/10.3758/s13428-021-01549-x).
38. E. Sella, E. Carbone, **E. Toffalini**, & E. Borella (2021). Self-reported sleep quality and dysfunctional sleep-related beliefs in young and older adults: changes in times of COVID-19 lockdown. *Sleep Medicine*, **81**, 127-135. [doi:10.1016/j.sleep.2021.02.017](https://doi.org/10.1016/j.sleep.2021.02.017).
39. E. Sella, L. Miola, **E. Toffalini**, & E. Borella (2021). The relationship between sleep quality and quality of life in aging: a systematic review and meta-analysis. *Health Psychology Review*. [doi:10.1080/17437199.2021.1974309](https://doi.org/10.1080/17437199.2021.1974309).
40. L. Miola, C. Meneghetti, **E. Toffalini**, & F. Pazzaglia (2021). Environmental learning in a virtual environment: Do gender, spatial self-efficacy, and visuospatial abilities matter?. *Journal of Environmental Psychology*, **78**, 101704. [doi:10.1016/j.jenvp.2021.101704](https://doi.org/10.1016/j.jenvp.2021.101704).
41. C. Meneghetti, E. Labate, **E. Toffalini**, & F. Pazzaglia (2021). Successful navigation: the influence of task goals and working memory. *Psychological Research*, **85**(2), 634-648. [doi:10.1007/s00426-019-01270-7](https://doi.org/10.1007/s00426-019-01270-7).
42. C. Meneghetti, **E. Toffalini**, S. Lanfranchi, M. Roch, & B. Carretti (2021). Path learning in individuals with Down syndrome: The challenge of learning condition and cognitive abilities. *Frontiers in Psychology*, **12**, 643702. [doi:10.3389/fpsyg.2021.643702](https://doi.org/10.3389/fpsyg.2021.643702).
43. C. Meneghetti, L. Miola, **E. Toffalini**, M. Pastore, & F. Pazzaglia (2021). Learning from navigation, and tasks assessing its accuracy: the role of visuospatial abilities and wayfinding inclinations. *Journal of Environmental Psychology*, **75**, 101614. [doi:10.1016/j.jenvp.2021.101614](https://doi.org/10.1016/j.jenvp.2021.101614).
44. I. C. Mammarella, **E. Toffalini**, S. Caviola, L. Colling, & D. Szűcs (2021). No evidence for a core deficit in developmental dyscalculia or mathematical learning disabilities. *Journal of Child Psychology and Psychiatry*, **62**(2), 704-714. [doi:10.1111/jcpp.13397](https://doi.org/10.1111/jcpp.13397).
45. Chiara Locatelli, Sara Onnivello, Francesca Antonaros, Agnese Feliciello, Sonia Filoni, Sara Rossi, Francesca Pulina, Chiara Marcolin, Renzo Vianello, **Enrico Toffalini**, Giuseppe Ramacieri, Anna Martelli, Giulia Procaccini, Giacomo Sperti, Maria Caracausi, Maria Chiara Pelleri, Lorenza Vitale, Gian Luca Pirazzoli, Pierluigi Strippoli, Guido Cocchi, Allison Piovesan, & Silvia Lanfranchi (2021). Is the age of developmental milestones a predictor for future development in Down syndrome?. *Brain Sciences*, **11**(5), 655. [doi:10.3390/brainsci11050655](https://doi.org/10.3390/brainsci11050655).
46. M. Grassi, C. Crotti, D. Giofrè, I. Boedker, & **E. Toffalini** (2021). Two replications of Raymond, Shapiro, and Arnell (1992): The Attentional Blink. *Behavior Research Methods*, **53**, 656-668. [doi:10.3758/s13428-020-01457-6](https://doi.org/10.3758/s13428-020-01457-6).
47. M. Fontana, M. C. Usai, **E. Toffalini**, & M. C. Passolunghi (2021). Meta-analysis on inhibition from childhood to young adulthood in people with Down syndrome. *Research in Developmental Disabilities*, **109**, 103838. [doi:10.1016/j.ridd.2020.103838](https://doi.org/10.1016/j.ridd.2020.103838).
48. E. M. Doerr, B. Carretti, **E. Toffalini**, S. Lanfranchi, & C. Meneghetti (2021). Developmental trajectories in spatial visualization and mental rotation in individuals with Down syndrome. *Brain Sciences*, **11**(5), 610. [doi:10.3390/brainsci11050610](https://doi.org/10.3390/brainsci11050610).

49. C. Cornoldi, A. Bresola, G. Crosara, A. Gherlenda, C. Pannocchi, & **E. Toffalini** (2021). Memory sensitivity and its relationship with the behavioural inhibitory and activation systems and the presence of internalising symptoms in a group of 9th to 13th graders. *Personality and Individual Differences*, **173**, 110638. doi:10.1016/j.paid.2021.110638.
50. C. Cornoldi, C. Rivella, L. Montesano, & **E. Toffalini** (2021). Difficulties of young adults with dyslexia in reading and writing numbers. *Journal of Learning Disabilities*, **55**(4), 338-348. doi:10.1177/00222194211037061.
51. R. Bayramova, **E. Toffalini**, M. Bonato, & M. Grassi (2021). Auditory selective attention under working memory load. *Psychological Research*, **85**(7), 2667-2681. doi:10.1007/s00426-020-01437-7.
52. **E. Toffalini**, C. Mirandola, C. De Simone Irace, & G. Altoè (2020). False memory for pictorial scripted material: the role of distinctiveness and negative emotion. *Cognition & Emotion*, **34**(7), 1489-1498. doi:10.1080/02699931.2020.1749034.
53. E. Sella, E. Carbone, **E. Toffalini**, & E. Borella (2020). Personality traits and sleep quality: the role of sleep-related beliefs. *Personality and Individual Differences*, **156**, 109770. doi:10.1016/j.paid.2019.109770.
54. C. Mirandola, **E. Toffalini**, E. Ferruzza, & F. Pazzaglia (2020). The power of extraversion? Reduced false memories for positive events. *Personality and Individual Differences*, **159**, 109861. doi:10.1016/j.paid.2020.109861.
55. C. Meneghetti, B. Carretti, S. Lanfranchi, & **E. Toffalini** (2020). Spatial description learning in preschoolers: the role of perspective and individual factors. *Cognitive Development*, **53**, 100841. doi:10.1016/j.cogdev.2019.100841.
56. C. Meneghetti, **E. Toffalini**, S. Lanfranchi, & B. Carretti (2020). Path learning in individuals with Down syndrome: the floor matrix task and the role of individual visuo-spatial measures. *Frontiers in Human Neuroscience*, **14**, 107. doi:10.3389/fnhum.2020.00107.
57. D. Giofrè, C. Cornoldi, A. Martino, & **E. Toffalini** (2020). A population level analysis of the gender gap in mathematics: Results on over 13 million children using the INVALSI dataset. *Intelligence*, **81**, 101467. doi:10.1016/j.intell.2020.101467.
58. E. Donolato, **E. Toffalini**, D. Giofrè, S. Caviola, & I. C. Mammarella (2020). Going beyond mathematics anxiety in primary and middle school students: The role of ego-resiliency in mathematics. *Mind Brain and Education*, **14**(3), 255-266. doi:10.1111/mbe.12251.
59. F. Delogu, M. Barnewold, C. Meloni, **E. Toffalini**, A. Zizi, & R. Fanari (2020). The Morra game as a naturalistic test bed for investigating automatic and voluntary processes in random sequence generation. *Frontiers in Psychology*, **11**, 551126. doi:10.3389/fpsyg.2020.551126.
60. B. Carretti, **E. Toffalini**, C. Saponaro, F. Viola, & C. Cornoldi (2020). Text reading speed in a language with a shallow orthography benefits less from comprehension as reading ability matures. *British Journal of Educational Psychology*, **90**(S1), 91-104. doi:10.1111/bjep.12307.
61. G. Altoè, G. Bertoldo, C. Zandonella Callegger, **E. Toffalini**, A. Calcagni, L. Finos, & M. Pastore (2020). Enhancing statistical inference in psychological research via prospective and retrospective design analysis. *Frontiers in Psychology*, **10**, 2893. doi:10.3389/fpsyg.2019.02893.
62. **E. Toffalini**, S. Buono, T. Zagaria, A. Calcagni, & C. Cornoldi (2019). Using Z and age-equivalent scores to address WISC-IV floor effects for children with intellectual disability. *Journal of Intellectual Disability Research*, **63**(6), 528-538. doi:10.1111/jir.12589.
63. **E. Toffalini**, N. Losito, C. Zamperlin, & C. Cornoldi (2019). Reading in a transparent second language with limited orality: the case of high-school students with dyslexia in Latin. *Dyslexia*, **25**(1), 57-68. doi:10.1002/dys.1603.
64. **E. Toffalini**, C. Mirandola, G. Altoè, & E. Borella (2019). Inferential false memories for emotional events in older adults. *British Journal of Psychology*, **110**(4), 686-706. doi:10.1111/bjop.12371.
65. **E. Toffalini**, M. Marsura, R. B. Garcia, & C. Cornoldi (2019). A cross-modal working memory binding span deficit in reading disability. *Journal of Learning Disabilities*, **52**(2), 99-108. doi:10.1177/0022219418786691.

66. D. Giofrè, M. Pastore, C. Cornoldi, & **E. Toffalini** (2019). Lumpers vs splitters: intelligence in children with specific learning disorders. *Intelligence*, **76**, 101380. doi:10.1016/j.intell.2019.101380.
67. D. Giofrè, **E. Toffalini**, S. Provazza, A. Calcagni, G. Altoè, & D. J. Roberts (2019). Are children with developmental dyslexia all the same? A cluster analysis with more than 300 cases. *Dyslexia*, **25**(3), 284-295. doi:10.1002/dys.1629.
68. C. Cornoldi, R. Di Caprio, G. De Francesco, & **E. Toffalini** (2019). The discrepancy between verbal and visuoperceptual IQ in children with a specific learning disorder: an analysis of 1,624 cases. *Research in Developmental Disabilities*, **87**, 64-72. doi:10.1016/j.ridd.2019.02.002.
69. **E. Toffalini**, C. Meneghetti, B. Carretti, & S. Lanfranchi (2018). Environment learning from virtual exploration in individuals with Down syndrome: The role of perspective and sketch maps. *Journal of Intellectual Disability Research*, **62**(1), 30-40. doi:10.1111/jir.12445.
70. **E. Toffalini**, E. Tomasi, D. Albano, & C. Cornoldi (2018). The effects of the constancy of location and order in working memory visual-phonological binding of children with dyslexia. *Child Neuropsychology*, **24**(5), 671-685. doi:10.1080/09297049.2017.1329411.
71. F. Talamini, M. Grassi, **E. Toffalini**, R. Santoni, & B. Carretti (2018). Learning a second language: Can music aptitude or music training have a role?. *Learning and Individual Differences*, **64**, 1-7. doi:10.1016/j.lindif.2018.04.003.
72. C. Meneghetti, **E. Toffalini**, B. Carretti, & S. Lanfranchi (2018). Mental rotation ability and everyday-life spatial activities in individuals with Down syndrome. *Research in Developmental Disabilities*, **72**, 33-41. doi:10.1016/j.ridd.2017.10.019.
73. C. Meneghetti, E. Carbone, A. Di Maggio, **E. Toffalini**, & E. Borella (2018). Mental rotation training in older adults: The role of practice and strategy. *Psychology and Aging*, **33**(5), 814-831. doi:10.1037/pag0000275.
74. L. Knott, M. Howe, **E. Toffalini**, D. Shah, & L. Humphreys (2018). The role of attention in immediate emotional false memory enhancement. *Emotion*, **18**(8), 1063-1077. doi:10.1037/emo0000407.
75. M. Di Mauro, **E. Toffalini**, M. Grassi, & K. Petrini (2018). Effect of long-term music training on emotion perception from drumming improvisation. *Frontiers in Psychology*, **9**, 2168. doi:10.3389/fpsyg.2018.02168.
76. **E. Toffalini**, D. Giofrè, & C. Cornoldi (2017). Strengths and weaknesses in the intellectual profile of different subtypes of specific learning disorder: A study on 1049 diagnosed children. *Clinical Psychological Science*, **5**(2), 402-409. doi:10.1177/2167702616672038.
77. **E. Toffalini**, D. Giofrè, & C. Cornoldi (2017). Pros and cons of using intelligence batteries for the study of clinical populations: A response to Beaujean (2017). *Clinical Psychological Science*, **5**(5), 878-879. doi:10.1177/2167702617720716.
78. **E. Toffalini**, L. Pezzuti, & C. Cornoldi (2017). Einstein and dyslexia: Is giftedness more frequent in children with a specific learning disorder than in typically developing children?. *Intelligence*, **62**, 175-179. doi:10.1016/j.intell.2017.04.006.
79. V. Muffato, **E. Toffalini**, C. Meneghetti, E. Carbone, & R. De Beni (2017). Individual visuo-spatial factors and familiar environment knowledge: A structural equation modeling analysis. *Personality and Individual Differences*, **113**(15), 96-102. doi:10.1016/j.paid.2017.03.023.
80. C. Mirandola, **E. Toffalini**, A. Ciriello, & C. Cornoldi (2017). Working memory affects false memory production for emotional events. *Cognition and Emotion*, **31**(1), 33-46. doi:10.1080/02699931.2015.1075379.
81. C. Mirandola & **E. Toffalini** (2017). What happened first? Working memory and negative emotion tell you better: Evidence from a temporal binding task. *Cognition and Emotion*, **32**(3), 666-673. doi:10.1080/02699931.2017.1319340.
82. C. Meneghetti, S. Lanfranchi, B. Carretti, & **E. Toffalini** (2017). Visuo-spatial knowledge acquisition in individuals with Down syndrome: The role of descriptions and sketch maps. *Research in Developmental Disabilities*, **63**, 46-58. doi:10.1016/j.ridd.2017.02.013.

83. C. Meneghetti, V. Muffato, **E. Toffalini**, & G. Altoè (2017). The contribution of visuo-spatial factors in representing a familiar environment: The case of undergraduate students at a university campus. *Journal of Environmental Psychology*, **54**, 160-168. doi:10.1016/j.jenvp.2017.09.004.
84. A. Melinder, **E. Toffalini**, E. Geccherle, & C. Cornoldi (2017). Positive events protect children from causal false memories for scripted events. *Memory*, **25**(10), 1366-1374. doi:10.1080/09658211.2017.1306080.
85. M. Grassi, C. Meneghetti, **E. Toffalini**, & E. Borella (2017). Auditory and cognitive performance in elderly musicians and nonmusicians. *PLOS ONE*, **12**(11), e0187881. doi:10.1371/journal.pone.0187881.
86. D. Giofrè, **E. Toffalini**, G. Altoè, & C. Cornoldi (2017). Intelligence measures as diagnostic tools for children with specific learning disabilities. *Intelligence*, **61**, 140-145. doi:10.1016/j.intell.2017.01.014.
87. **E. Toffalini**, E. Borella, C. Cornoldi, & R. De Beni (2016). The relevance of memory sensitivity for psychological well-being in aging. *Quality of Life Research*, **25**, 1943-1948. doi:10.1007/s11136-016-1231-8.
88. C. Mirandola & **E. Toffalini** (2016). Arousal – but not valence – reduces false memories at retrieval. *PLOS ONE*, **11**, e0148716. doi:10.1371/journal.pone.0148716.
89. **E. Toffalini**, A. Veltri, & C. Cornoldi (2015). Metacognitive aspects influence subjective well-being in parents of children with cancer. *Psycho-Oncology*, **24**(2), 175-180. doi:10.1002/pon.3622.
90. **E. Toffalini**, Mirandola C., T. Coli, & C. Cornoldi (2015). High trait anxiety increases inferential false memories for negative (but not positive) emotional events. *Personality and Individual Differences*, **75**, 201-204. doi:10.1016/j.paid.2014.11.029.
91. **E. Toffalini**, B. Bellavitis, & C. Cornoldi (2015). Enhanced memory for negative scripted material in low compared to high sensation seekers. *Journal of Research in Personality*, **57**, 48-52. doi:10.1016/j.jrp.2015.03.004.
92. **E. Toffalini**, C. Mirandola, M.J. Drabik, A. Melinder, & C. Cornoldi (2014). Emotional negative events do not protect against false memories in young adults with depressive-anxious personality traits. *Personality and Individual Differences*, **66**, 14-18. doi:10.1016/j.paid.2014.02.042.
93. C. Mirandola, **E. Toffalini**, M. Grassano, C. Cornoldi, & A. Melinder (2014). Inferential false memories of events: Negative consequences protect from distortions when the events are free from further elaboration. *Memory*, **22**(5), 451-461. doi:10.1080/09658211.2013.795976.

Italian peer-reviewed journal articles

1. **E. Toffalini** & C. Cornoldi (2024). Attenzione all'uso delle discrepanze nel profilo di intelligenza per l'identificazione di DSA e ADHD. *Psicologia Clinica dello Sviluppo*, **2/2024**, 225-236. doi:10.1449/113498.
2. A. M. Re, C. Cornoldi, & **E. Toffalini** (2022). Il progressivo ridimensionamento dell'uso di categorie diagnostiche nei disturbi del neurosviluppo: alcune riflessioni a partire dall'intervento di Antonietti, Borgatti e Giorgetti. *Ricerche di Psicologia*, **45**, 169-177. doi:10.3280/rip2022oa15606.
3. P. Monaci, F. Sferra, C. Saponaro, & **E. Toffalini** (2022). Disturbi specifici di apprendimento e multimedialità: l'efficacia di un training di potenziamento cognitivo tramite l'uso di web app. *Psicologia Clinica dello Sviluppo*, **26**(2), 315-326. doi:10.1449/102016.
4. **E. Toffalini** (2020). Eccezionalità: Categorie o code di distribuzioni?. *Giornale Italiano di Psicologia*, **3-4/2020**, 871-875. doi:10.1421/100076.
5. M. Marsura, **E. Toffalini**, & B. Carretti (2020). La prova CO-TT di updating di memoria di lavoro. Dati normativi e confronto fra la prestazione di bambini con sviluppo tipico e con problemi di comprensione del testo. *Psicologia Clinica dello Sviluppo*, **24**(2), 321-335. doi:10.1449/97008.
6. **E. Toffalini** (2019). WISC-IV e disabilità intellettiva: L'uso dell'età equivalente. *Psicologia Clinica dello Sviluppo*, **23**(3), 423-434. doi:10.1449/95152.

7. L. Tizi, **E. Toffalini**, E. Pavan, & F. Pazzaglia (2019). Atmosfera percepita di due allestimenti museali in relazione a fattori ambientali e variabili cognitive, affettive e rigenerative: Analisi delle caratteristiche psicometriche dell'adattamento italiano del Perceived Atmosphere Instrument. *Giornale Italiano di Psicologia*, **4**/2019. doi:10.1421/95572.
8. C. Cornoldi, A. M. Antonucci, L. Bertolo, F. Brembati, M. Frinco, D. Giofrè, ..., & **E. Toffalini** (2019). Sintesi dei risultati principali ottenuti con la banca dati AIRIPA di più di 1.800 casi di DSA valutati con la WISC-IV. *Dislessia*, **16**(3), 249-263. doi:10.14605/dis1631901.
9. G. Calgaro, **E. Toffalini**, & C. Cornoldi (2018). La prova di lettura sublessicale PLS per la valutazione delle abilità di lettura di bambini di prima primaria. *Dislessia*, **15**(2), 209-224. doi:10.14605/dis1521805.
10. N. Losito, C. Zamperlin, M. Massini, & **E. Toffalini** (2017). Abilità di lettura e competenza grammaticale in latino in studenti di scuola superiore con diagnosi di dislessia. *Dislessia*, **14**(3), 323-338. doi:10.14605/dis1431703.
11. D. Giofrè, **E. Toffalini**, & S. Provazza (2017). La WISC-IV sovrastima le competenze dei ragazzi italiani? Discrepanze tra la standardizzazione UK e quella Italiana della scala. *Psicologia Clinica dello Sviluppo*, **1**/2017, 143-154. doi:10.1449/86189.

Book chapters

1. B. Carretti & **E. Toffalini** (2021). La memoria. In P. Cherubini, E. Bricolo, & C. Reverberi (Eds.), *Psicologia Generale*, Raffaello Cortina Editore.
2. **E. Toffalini**, S. Provazza, P. Tressoldi, & C. Cornoldi (2019). La dislessia evolutiva. In C. Cornoldi (Ed.), *I Disturbi dell'Apprendimento*, pp. 107-131, Il Mulino.
3. C. Meneghetti, **E. Toffalini**, B. Carretti, & S. Lanfranchi (2019). Environment learning in individuals with Down syndrome. In R. M. Hodapp & D. Fidler (Eds.), *International Review of Research in Developmental Disabilities*, vol. 56, pp. 123-167, Academic Press. doi:10.1016/bs.irrdd.2019.06.003.

Editorial and peer-review activity

2020 – 2024	Editorial Board member – PLOS ONE
2019 – 2024	Editorial Board member – Personality and Individual Differences
	Special Issue Co-Editor – Individuals with Down Syndrome Brain Sciences

Ad hoc reviewer for: Psychonomic Bulletin and Review; Psychological Science; Scientific Reports; Behavior Research Methods; Research in Developmental Disabilities; Statistical Methods and Applications; PLOS ONE; Trends in Neuroscience and Education; Child Neuropsychology; Current Psychology; Frontiers in Human Neuroscience; Journal of Intellectual Disability Research; Consciousness and Cognition; Journal of General Psychology; International Journal of Developmental Disabilities; Medical Journals; Giornale Italiano di Psicologia; Psicologia Clinica dello Sviluppo.

Teaching

Doctoral teaching

2024–2025	Instructor: Basics of Python for Data Science PhD programme in Psychological Sciences · Università degli Studi di Padova · 10 hours per year (2 academic years)
2024–2025	Instructor: Basics of R for Data Science PhD programme in Psychological Sciences · Università degli Studi di Padova · 10 hours per year (2 academic years)
2017/2018	Instructor: Programming Experiments (E-Prime and other software) PhD programme in Psychological Sciences · Università degli Studi di Padova · 10 hours

Degree programmes

2025/2026	Instructor and course lead: Psicologia dell'Intelligenza Umana Degree programme in Cognitive and Psychobiological Psychological Sciences · Università degli Studi di Padova · 63 hours
2021–2025	Module instructor: General Psychology Degree programme in Techniques and Methods in Psychological Science · Università degli Studi di Padova · 42 hours per year (5 academic years)
2021–2024	Module instructor and course lead: Olfatto e Gusto: Sensazione e Cognizione Degree programme in Gastronomic Science and Culture · Università degli Studi di Padova · 40 hours per year (4 academic years) · Academic year 2024/2005 is preserved from the source PDF intentionally.
2019–2020	Module instructor: Audiologia e Psicologia Degree programme in Hearing Aid Techniques · Università degli Studi di Padova · 20 hours per year (2 academic years) · The source PDF contains 'èer' in the descriptive sentence.
2019–2020	Module instructor: Scienze Psicologiche Degree programme in Psychiatric Rehabilitation Techniques · Università degli Studi di Padova · 20 hours per year (2 academic years)
2018/2019	Module instructor: Psicologia dell'Invecchiamento Degree programme in Neuroscience and Neuropsychological Rehabilitation · Università degli Studi di Padova · 21 hours

Supplementary teaching

2018/2019	Supplementary teaching: Basic Concepts of Psychology (module B) Università degli Studi di Padova · 5 hours · Course lead: Professor Borella.
2015–2017	Tutor and supplementary instructor: Psicologia Generale (modulo A) Degree programme in Psychological Sciences and Techniques · Università degli Studi di Padova · 30 hours per year (3 academic years) · Course leads: Professor Cornoldi; Professor Pazzaglia in 2017/2018.
2016/2017	Supplementary teaching: Psicologia dell'Apprendimento e della Memoria Università degli Studi di Padova · 20 hours · Course lead: Professor Carretti.

Postgraduate Master programmes

2019–2024	Instructor: Valutazione dell'intelligenza nei disturbi del neurosviluppo Second-level postgraduate Master in Learning Psychopathology · Università degli Studi di Padova · 6 academic years · 2-4 hours per year.
2019–2023	Instructor: Valutazione dell'intelligenza nell'adulto e nell'anziano Second-level postgraduate Master in Psychology of Ageing and Longevity · Università degli Studi di Padova · 5 academic years · 3-4 hours per year.

Supervision and tutoring

- Primary supervisor – Bachelor level: 16.
- Primary supervisor – Master's degree level: 8.
- Co-supervisor – PhD level: 3.
- Co-supervisor – Master's degree level: at least 27.
- Co-supervisor – Bachelor level: 6.
- Co-supervisor – postgraduate Master level: 1.
- Primary supervisor – Bachelor level: 1.

- **Primary supervisor – postgraduate Master level:** 2.
- **Individual tutoring – Bachelor and Master’s degree levels:** over 35.

Institutional service

2024 – present	Advisory Board member – Corso di dottorato in Psychological Sciences Università degli Studi di Padova · Padova, Italia
2024 – present	Chair – Comitato Etico di Psicologia/Area 17 Università degli Studi di Padova · Padova, Italia
2022 – 2024	Member – Comitato Etico di Psicologia/Area 17 Università degli Studi di Padova · Padova, Italia
2025 – present	Working-group member – Procedure di accoglienza docenti/ricercatori neo-assunti e semplificazione Dipartimento di Psicologia Generale, Università degli Studi di Padova · Padova, Italia
2025 – present	Open Science subcommittee member – Commissione Terza Missione Dipartimento di Psicologia Generale, Università degli Studi di Padova · Padova, Italia
2022 – present	DOR Working Group member – Commissione per la procedura di ripartizione dei fondi DOR Dipartimento di Psicologia Generale, Università degli Studi di Padova · Padova, Italia
2025 – present	Creator and webmaster – Sito del Corso di dottorato in Psychological Sciences Università degli Studi di Padova · Padova, Italia
2022 – 2023	Member – Comitato Etico UNIPhD (MSCA-Cofund) Università degli Studi di Padova · Padova, Italia
2022 – 2024	Chair and member of selection committees – Commissioni per assegni di ricerca di tipo A Dipartimento di Psicologia Generale, Università degli Studi di Padova · Padova, Italia · Chair for fellowships 2022KBW99S code A06, DPG26, and DPG27; member for one fellowship on 21 October 2022, chaired by Professor Carretti. · Count: 4 Full member – Commissioni di Laurea Magistrale Scuola di Psicologia, Università degli Studi di Padova · Padova, Italia · Count: 15 Regular member – Commissioni proclamatrici e preparatorie di Laurea Triennale Scuola di Psicologia, Università degli Studi di Padova · Padova, Italia

International experience

January 2015 – March 2015	Visiting PhD student , City University London Department of Psychology · Londra, Regno Unito Second of the two visiting periods reported in the source CV. Supervisor: Mark L. Howe, Lauren Knott
March 2014 – June 2014	Visiting PhD student , City University London Department of Psychology · Londra, Regno Unito First of the two visiting periods reported in the source CV. Supervisor: Mark L. Howe, Lauren Knott
November 2011 – April 2012	Erasmus student / Research assistant , Università di Oslo EKUP - Cognitive Development Research Unit · Oslo, Norvegia Supervisor: Annika Melinder

Clinical and professional experience

- March 2014 – present** **Participant in clinical supervision meetings**, Laboratorio per la Valutazione e il Trattamento dei Disturbi dell'Apprendimento (LabDA)
Padova, Italia
Weekly participation in team supervision meetings; formerly the DSA laboratory at LIRIPAC.
- October 2013 – March 2014** **Intern**, Laboratorio per la Valutazione e il Trattamento dei Disturbi dell'Apprendimento (LabDA)
Padova, Italia
Assisted in the assessment and treatment of specific learning disorders; formerly the DSA laboratory at LIRIPAC.
Supervisor: Barbara Carretti
- September 2009 – December 2009** **Clinical intern**, Associazione Alzheimer Verona
Verona, Italia
Planned and assisted with cognitive stimulation activities in day centres for older adults with Alzheimer's disease.

Conference presentations and symposia

[Slides since 2022](#)

2025

- **Toffalini, E. & Cornoldi, C.** (September 2025). **Limiti nell'uso delle discrepanze nel profilo cognitivo per la diagnosi.** oral presentation: XXXIII Congresso Nazionale AIRIPA, PISA, Italia.
- **Toffalini, E.** (May 2025). **Approccio dimensionale all'ADHD: considerazioni teoriche e psicometriche.** oral presentation: XIII Congresso Nazionale AIDAI, Padova, Italia.

2024

- **Mento, G. & Toffalini, E.** (September 2024). **Approccio dimensionale e transdiagnostico ai disturbi del neurosviluppo.** organized symposium: Simposio organizzato presso il XXXII Congresso Nazionale AIRIPA, Reggio Emilia, Italia.
- **Masi, A., Toffalini, E., & Caviola, S.** (September 2024). **Attitudini matematiche e prestazione: uno studio cross-culturale tra Italia e Francia nella scuola primaria.** oral presentation: XXXII Congresso Nazionale AIRIPA, Reggio Emilia, Italia.

2023

- **Toffalini, E. & Gambarota, F.** (September 2023). **Perché è meglio non usare (praticamente mai) l'analisi dei cluster sulle casistiche in psicologia dello sviluppo.** oral presentation: XXXI Congresso Nazionale AIRIPA, Foggia, Italia.
- **Caviola, S., Feraco, T., Toffalini, E., & Giofrè, D.** (September 2023). **Le differenze di genere in alunni con e senza DSA: dai profili cognitivi all'ansia da prestazione.** oral presentation: XXXI Congresso Nazionale AIRIPA, Foggia, Italia.

2022

- **Toffalini, E., Girardi, P., Giofrè, D., & Altoè, G.** (September 2022). **Problems with Clustering Cases from Quantitative Psychological Data on Individual Differences.** oral presentation: XXX Congresso Associazione Italiana di Psicologia (AIP), Padova, Italia.
- **Costa, C., Pezzetta, R., Grassi, M., Cona, G., Toffalini, E., & Scarpazza, C.** (September 2022). **Preferred Evaluation of Cognitive and Neuropsychological Studies: The Pecans Statement for Human Studies.** symposium contribution: Simposio Interdisciplinare S.I.41 presso XXX Congresso Associazione Italiana di Psicologia (AIP), Padova, Italia.

- **Toffalini, E.,** Buono, S., & Cornoldi, C. (September 2022). **Struttura, profilo e significato diagnostico dell'intelligenza nell'ADHD sono sorprendentemente simili a quelli dei DSA.** oral presentation: XXX Congresso Nazionale AIRIPA, Padova, Italia.
- Donolato, E., **Toffalini, E.,** Cornoldi, C., & Mammarella, I.C. (August 2022). **Emotional Aspects and Reading Motivation in Children with Dyslexia: A Dimensional Framework.** oral presentation: The 17th International Conference on Motivation (ICM), Dresda, Germania.
- Giofrè, D., Feraco, T., Albanese, O., Caviola, S., & **Toffalini, E.** (July 2022). **An investigation of the female and male gaps in maths and reading using a large and representative Italian sample: The impact of differential item functioning and anxiety.** oral presentation: la 22° annual conference of the International Society for Intelligence Research (ISIR), Vienna, Austria.
- Sella, E., **Toffalini, E.,** Canini, L., & Borella, E. (April 2022). **Non-pharmacological interventions for sleep quality in older adults: a systematic review and meta-analysis.** poster: The 2022 Cognitive Aging Conference, Atlanta, USA.

2021

- Miola L., Meneghetti C., Toffalini E., & Pazzaglia F. (September 2021). **Spatial learning and gender: cognitive, motivational, and social factors.** symposium contribution: Simposio su "Navigation and environment representation: personality and individual difference", presso The 8th International Conference on Spatial Cognition (ICSC 2021), Roma, Italia.
- **Toffalini, E.** (September 2021). **Il rasoio di Occam applicato alla dislessia (nella ricerca).** symposium contribution: Simposio presidenziale su "Sviluppo tipico, difficoltà di apprendimento, disturbo specifico: casistiche diverse o punti diversi di un continuum?", presso XXIX Congresso Nazionale AIRIPA. Congresso in modalità telematica, Italia.

2020

- **Toffalini, E.,** Altoè, G., & Pastore, M. (February 2020). **Entia non sunt multiplicanda... Shall I look for clusters in my data? Maybe not!.** oral presentation: Cognitive Science Arena 2020, Bressanone, Italia.

2019

- Zandonella Callegher, C., **Toffalini, E.,** & Altoè, G. (September 2019). **Elicitazione e utilizzo del parere degli esperti.** symposium contribution: Simposio su "Il ruolo della statistica Bayesiana nella crisi della replicabilità dei risultati in psicologia", presso XXV Congresso AIP Sezione Sperimentale, Milano, Italia.
- **Toffalini, E.,** Giofrè, D., & Cornoldi, C. (June 2019). **Profile and structure of intelligence in children with specific learning disorders.** invited presentation: Simposio su "Cognitive underpinnings of learning disabilities", presso The 1st SRLD international Conference, Padova, Italia.

2018

- **Toffalini, E.** & Cornoldi, C. (September 2018). **Profili intellettivi alla WISC-IV nei disturbi del neurosviluppo e nelle eccezionalità.** organized symposium: Simposio organizzato presso il XXVII Congresso Nazionale AIRIPA, Arezzo, Italia.
- **Toffalini, E.,** Giofrè, D., & Cornoldi, C. (August 2018). **The significance of working memory within the intellectual profile of children with learning disorder.** oral presentation: 9° European Working Memory Symposium (EWOMS), Pavia, Italia.
- **Toffalini, E.,** Giofrè, D., & Cornoldi, C. (July 2018). **Bifactor structure of the WISC-IV in children with learning disorder vs typical development: better looking at g or at the specific factors?.** poster: la 19° annual conference of the International Society for Intelligence Research (ISIR), Edimburgo, Scozia.

- **Toffalini, E. & Cornoldi, C. (June 2018). Avoiding the floor effect in the WISC-IV using Z scores and equivalent age: average profile and factor analysis on individuals with intellectual disability.** oral presentation: XII European Conference on psychology theory and research on Intellectual and Developmental Disabilities (ECIDD), Padova, Italia.
- **Meneghetti, C., Toffalini, E., Carretti, B., & Lanfranchi (June 2018). Environment learning from virtual exploration in individuals with Down syndrome: perspective, sketch maps, and individual differences.** oral presentation: XII European Conference on psychology theory and research on Intellectual and Developmental Disabilities (ECIDD), Padova, Italia.
- **Mirandola, C., Toffalini, E., Ferruzza, E., Cornoldi, C., & Pazzaglia, F. (June 2018). The dark side of personality: Individual differences in personality and their impact on emotional false memories for pictorial scripted events.** oral presentation: 16° European Workshop on Imagery and Cognition (EWIC), Padova, Italia.
- **Toffalini, E., Buono, S., & Cornoldi, C. (March 2018). Evitare l'effetto pavimento della WISC-IV nella disabilità intellettiva: età equivalente e punti z.** poster: Giornate di Aggiornamento sull'Uso di Strumenti in Psicologia Clinica dello Sviluppo, 9-10 marzo, Bologna, Italia.

2017

- **Toffalini, E. & Cornoldi, C. (September 2017). DSA e intelligenza: profilo WISC-IV e plusdotazione intellettiva.** oral presentation: XXVI Congresso Nazionale AIRIPA: I Disturbi dell'Apprendimento, Conegliano, Italia.
- **Carretti, B., Toffalini, E., Viola, F., & Cornoldi, C. (September 2017). Il ruolo delle variabili socio-economiche nell'apprendimento della lettura.** oral presentation: XXVI Congresso Nazionale AIRIPA: I Disturbi dell'Apprendimento, Conegliano, Italia.
- **Calgaro, G., Toffalini, E., & Cornoldi, C. (September 2017). Una nuova prova di lettura sub-lessicale per la classe prima primaria.** oral presentation: XXVI Congresso Nazionale AIRIPA: I Disturbi dell'Apprendimento, Conegliano, Italia.
- **Marsura, M. & Toffalini, E. (September 2017). Trend evolutivi dello span di binding visuo-fonologico.** poster: XXVI Congresso Nazionale AIRIPA: I Disturbi dell'Apprendimento, Conegliano, Italia.
- **Toffalini, E., Pezzuti, L., & Cornoldi, C. (March 2017). Bambini con DSA e plusdotazione intellettiva: Analisi della frequenza e profilo WISC-IV.** poster: Giornate di Aggiornamento sull'Uso di Strumenti in Psicologia Clinica dello Sviluppo, 17-18 marzo, Bologna, Italia.

2016

- **Toffalini, E., Carretti, B., Meneghetti, C., & Lanfranchi, S. (October 2016). L'apprendimento di ambienti in persone con Sindrome di Down: Il ruolo della prospettiva e dell'ausilio della mappa.** invited presentation: Simposio su "Apprendimento di Ambienti, Memoria Spaziale e Promozione dell'Autonomia nello Sviluppo Tipico e Atipico", XXV Congresso Nazionale AIRIPA: I Disturbi dell'Apprendimento, Torino, Italia.
- **Giofrè, D., Toffalini, E., & Cornoldi, C. (October 2016). Punti di forza e debolezza nel profilo WISC in soggetti con DSA: uno studio con 1049 bambini.** oral presentation: XXV Congresso Nazionale AIRIPA: I Disturbi dell'Apprendimento, Torino, Italia.
- **Toffalini, E., Giofrè, D., & Cornoldi, C. (September 2016). WISC-IV intellectual profile in different subtypes of Specific Learning Disorder: Similarities and Differences.** oral presentation: 5° Congresso internazionale EDA (European Dyslexia Association), Modena, Italia.
- **Toffalini, E., Mirandola, C., De Simone Irace, C., & Cornoldi, C. (July 2016). Emotional false memories for pictorial scripted material: The role of distinctiveness and negative valence.** poster: convegno internazionale ICOM-6 (6th International Conference on Memory), Budapest, Ungheria.
- **Lanfranchi, S., Meneghetti, C., Carretti, B., & Toffalini, E. (July 2016). Environment knowledge acquisition in individuals with Down syndrome: The role of descriptions and**

maps. oral presentation: XI European Conference on psychology theory and research on Intellectual and Developmental Disabilities (ECIDD), Lille, Francia.

- **Toffalini, E.** & Cornoldi, C. (April 2016). **The influence of metacognitive beliefs on positive and negative affect in parents of children with cancer.** invited presentation: Simposio su “Metacognitive Therapy in Physical Health Conditions”, in the 3th International Conference Metacognitive Therapy, Milano, Italia.
- **Toffalini, E.,** Giofrè, D., & Cornoldi, C. (March 2016). **Efficacia della discrepanza tra indici WISC-IV come marcatore clinico di DSA.** poster: Giornate di Aggiornamento sull’Uso di Strumenti in Psicologia Clinica dello Sviluppo, 4-5 marzo, Bologna, Italia.

2015

- **Toffalini, E.** & Cornoldi, C. (June 2015). **The relevance of ‘Memory Sensitivity’ and its implications for everyday functioning.** poster: convegno internazionale SARMAC XI (Society for Research on Memory and Cognition), Victoria BC, Canada.
- Mirandola, C., **Toffalini, E.,** Pazzaglia, F., & Cornoldi, C. (June 2015). **Emotional false memories for events: The role of working memory.** poster: convegno internazionale SARMAC XI (Society for Research on Memory and Cognition), Victoria BC, Canada.

2014

- **Toffalini, E.,** Coli, T., Mirandola, C., & Cornoldi, C. (September 2014). **Un elevato tratto ansioso incrementa i falsi ricordi inferenziali per eventi negativi.** oral presentation: XX Congresso AIP Sezione Sperimentale, Pavia, Italia.
- Mirandola, C., **Toffalini, E.,** Ciriello, A., Pazzaglia, F., & Cornoldi, C. (September 2014). **Falsi ricordi per eventi emozionali: Il ruolo delle differenze individuali nella memoria di lavoro e nei tratti ansioso-depressi.** conference paper: XX Congresso AIP Sezione Sperimentale, Pavia, Italia.

2013

- **Toffalini, E.,** Gherlenda, A., Giofrè, D., Borella, E., Cornoldi, C., & De Beni, R. (September 2013). **Leopardismo: maledizione per gli adolescenti ma risorsa per gli anziani?.** oral presentation: Congresso Nazionale sulla Metacognizione e la Pratica Clinica, AIRIPA – Università di Bologna-Rimini, Italia.
- Mirandola, C., Cornoldi, C., **Toffalini, E.,** Drabik, J. M., & Melinder, A. (August 2013). **False memories of emotional events: Depression does not protect against memory distortions.** conference paper: XVIII Congresso internazionale ESCOP (European Society for Cognitive Psychology), Budapest, Ungheria.

2012

- Mirandola, C., **Toffalini, E.,** Cornoldi, C., & Melinder, A. (September 2012). **Falsi ricordi inferenziali: quando le emozioni negative ingannano di meno.** conference paper: XVIII Congresso AIP (Associazione Italiana di Psicologia – sezione sperimentale), Chieti, Italia.

Public engagement and knowledge transfer

February 13, 2026	Speaker – Siamo davvero intelligenti? Certezze e incertezze sull’intelligenza umana Progetto Formazione Continua - Incontri Formativi Intelligenza: singolare o plurale? · Talk delivered within the February 2026 training meetings.
November 11, 2025	Expert contributor – L’Intelligenza Umana Dipartimento di Psicologia Generale, Università degli Studi di Padova; Teatro Stabile del Veneto · Padova, Italia · Participation in the Essere Intelligente public series.

September 28, 2024 – September 29, 2024	Contributor to stand preparation and delivery – Centra il bersaglio: tra misurazione, probabilità e incertezza Science4All · Padova, Italia
February 20, 2024	Contributor – Giornate di orientamento (ex Agripolis) Fiera di Padova · Padova, Italia · Activities held on 20 February 2024 and 13 February 2023 for secondary-school students.
October 7, 2022	Professional-development seminar speaker – Settimana psicopedagogica - Civitanova Marche ASP Paolo Ricci · Civitanova Marche, Italia · Seminars held on 7 October 2022, 1-4 July 2019, and 2-3 July 2018, for a reported total of 10 hours, on intelligence assessment and interpretation and dimensional approaches to neurodevelopmental disorders.
2022	Interviewee – Struttura dell'intelligenza (unitaria o multipla?) MOOC Music and Intelligence: Can Music Make You Smarter? - Prof. Massimo Grassi, Università degli Studi di Padova
2022 – present	Course co-lead – General Psychology Federica.EU - Università di Napoli Federico II · Course co-led with Professor Giovanna Mioni.
2020 – present	Collaborator – Valutazione e intervento sui disturbi dell'apprendimento in età evolutiva LabDA - spin-off dell'Università degli Studi di Padova · Padova, Italia · Regular participation in weekly team meetings.
2020	Standardization contributor – LSC-SUA - Prove di lettura, comprensione del testo, scrittura e calcolo Erickson · Contribution to Chapter 4, battery standardization, and two additional research contributions in the manual by Montesano, Valenti, and Cornoldi (2020).
present	Dissemination of open materials, data, and code – Pratiche di Open Science per la Terza Missione OSF; GitHub; ResearchGate · Regular use of OSF (15 public projects), GitHub (over 12 public repositories), and ResearchGate; Open Slides and Open Teaching with 5 accessible courses. Metrics are reported in the source CV as of February 2026.

Research computing skills

- **R / RStudio – advanced.** Data management and visualization; linear, generalized, and mixed-effects models; SEM; simulation; meta-analysis; Bayesian methods; and design analysis. Reported packages: lavaan, lme4, glmmTMB, blavaan, brms, ggplot2, ordinal, shiny, metafor, semTools, mclust, BayesFactor.
- **Python – applied proficiency.** Data management and visualization, statistical analysis, and foundational natural language processing with embeddings and pretrained models through HuggingFace. Reported packages: numpy, pandas, seaborn, statsmodels, transformers. Used through Colab, Spyder, and RStudio.
- **Quarto – working proficiency.** Creation of websites, presentations, and slideshows with the open-source Quarto publishing system.
- **GitHub – basic.** Repositories for open code and open data, and hosting of websites and web pages.

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