

# Alice Cancer

Department of Psychology  
Università Cattolica del Sacro Cuore di Milano  
L.go Gemelli, 1 – 20123, Milan, Italy

alice.cancer@unicatt.it

## FIELDS OF INTERESTS

---

Language, Learning, Creativity, Cognitive Enhancement, Language Disorders,  
Learning Disabilities, Non-invasive Brain Stimulation, Rehabilitation interventions

## EDUCATION

---

- 2014 - 2018      **Ph.D. in Psychology**  
Università Cattolica del Sacro Cuore, Milan, Italy  
Specialization: Cognitive psychology and developmental neuropsychology  
Thesis: *Improving reading skills in students with dyslexia: The efficacy of a rhythm-based training*  
Supervisor: Prof. Alessandro Antonietti
- 2017              **Post-graduate Advanced Course in Item Response Theory (IRT) Models**  
University of Florence, Italy  
Topics covered: IRT paradigm and statistical analysis of model fit
- 2012  
(1<sup>st</sup> Session)      **Psychological Professional Practice License**  
Università Cattolica del Sacro Cuore, Milan, Italy
- 2011 – 2012      **Post-graduate Advanced Course in Assessment and Cognitive Training**  
Università Cattolica del Sacro Cuore, Milan, Italy  
Topics covered: Diagnosis and intervention in learning disabilities, intellectual disability, and study difficulties
- 2009 - 2011      **Master's Degree in Developmental and Communication Psychology**  
Università Cattolica del Sacro Cuore, Milan, Italy  
Thesis: *Dyslexia and music: Proposal of a training based on rhythm and sound*  
Grade: 110/110 *cum Laude*  
Supervisor: Prof. Alessandro Antonietti
- 2006 - 2009      **Bachelor's Degree in Psychology**  
Università Cattolica del Sacro Cuore, Milan, Italy  
Thesis: *Mental imagery and music: An experiment on aesthetic evaluation, emotional reactions and eye movements*  
Grade: 104/110  
Supervisor: Prof. Alessandro Antonietti

## ACADEMIC ACTIVITIES

---

- 2017 **Visiting PhD Student at Cognition, Learning & Plasticity Group**  
University of Oxford, United Kingdom  
Advisor: Prof. Roi Cohen Kadosh
- 2015 **Summer School in Cognitive Neuroscience**  
University of Helsinki, Finland  
Organizer: Prof. Mari Tervaniemi
- 2012 **Post-graduate Internship**  
Childhood and Adolescence Neuropsychiatry Unit, Scientific Institute IRCCS  
Don Gnocchi, Milan, Italy  
Internship advisor: Michela Zanette
- 2011 - 2012 **Post-graduate Internship**  
COSPEs Child Clinical Psychology Centre, Milan, Italy  
Internship advisor: Giancarlo Scotti

## TEACHING EXPERIENCE

---

- 2022 – current **‘Cognitive Enhancement’ Course**  
Psychology Bachelor Programme (International)  
Faculty of Psychology - Università Cattolica del Sacro Cuore, Milan, Italy  
Instructor of record  
A.y.: 2022-2023
- 2022 – current **‘General Psychology’ Course**  
Psychology Bachelor Programme  
Faculty of Psychology - Università Cattolica del Sacro Cuore, Milan, Italy  
Instructor of record  
A.y.: 2022-2023
- 2022 – current **‘Cognitive Psychology’ Seminar**  
Doctoral School “Communication & Health”  
Institute of Communication and Health, Università della Svizzera italiana (USI)  
Instructor of record  
A.y.: 2021-2022
- 2022 **Practical course ‘Cognitive Neuroscience of Music’**  
Master programme in Cognitive sciences  
Dip. di Oncologia ed Emato Oncologia - Università degli Studi di Milano  
Instructor of record  
A.y.: 2021-2022
- 2021 **Training course ‘Music for cognitive enhancement’**  
Training course for teachers  
I.I.S “Aleotti-Dossi” di Ferrara  
Instructor of record  
A.y.: 2021-22

- 2020 – current      **General Psychology Module ‘Interventi musicali per il linguaggio’**  
Postgraduate Neuropsychology School  
Facoltà di Psicologia - Università Cattolica del Sacro Cuore di Milano  
Instructor of record  
A.y.: 2020-21, 2021-22
- 2021 – current      **Short Course ‘Rhythmic Reading Training: a rhythm based intervention for dyslexia’**  
Master program in Psychology, Neuroscience and Human Sciences  
Dipartimento di Scienze del Sistema Nervoso e del comportamento - Università di Pavia  
Instructor of record  
A.y.: 2020-21, 2021-22
- 2020 - current      **Lecturer in General Psychology - ‘Music and Language’ Seminar**  
Institution of Higher Education S. Giovanni Bosco, Marina di Massa (MS), Italy  
Instructor of record  
A.y.: 2019-20, 2020-21, 2021-22
- 2019                  **Summer School ‘Music as a support to train language skills’**  
Catholic University of Croatia, Lužnica, Croatia  
Instructor of record  
A.y.: 2018-19
- 2018 - current      **Teaching Assistant in Testing Methods and Techniques**  
Faculty of Psychology - Università Cattolica del Sacro Cuore, Milan, Italy  
Practical workshop instructor  
A.y.: 2017-18, 2018-19, 2019-20, 2020-21, 2021-22
- 2013 - current      **Teaching Assistant in Applied Cognitive Psychology**  
Faculty of Psychology - Università Cattolica del Sacro Cuore, Milan, Italy  
Examiner  
A.y.: 2013-14, 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22
- 2013 - current      **Teaching Assistant in Cognitive Dysfunctions in Developmental Age**  
ASAG - Università Cattolica del Sacro Cuore, Milan, Italy  
Practical workshop instructor  
A.y.: 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22
- 2015                  **Lecturer in Psychometrics**  
IPUS Swiss Private University Institute, Chiasso, Switzerland  
Instructor of record  
A.y.: 2015-16

## **PROFESSIONAL EXPERIENCE**

---

- 2022 – current      **Assistant Professor in General Psychology (rtd-A)**  
Department of Psychology - Università Cattolica del Sacro Cuore, Milan, Italy

- 2018 - 2022      **Postdoctoral researcher**  
Department of Psychology - Università Cattolica del Sacro Cuore, Milan, Italy  
Title of the research topic: *Testing the efficacy of novel methodologies for dyslexia intervention in Italian students*  
Supervisor: Prof. Alessandro Antonietti
- 2013 - current      **Cognitive psychologist**  
SPAEE Child Psychology Centre - Università Cattolica del Sacro Cuore, Milan, Italy  
Activities: Neuropsychological assessment and diagnosis of learning disabilities in children and adolescents; Rehabilitation interventions in undergraduates
- 2013 - 2015      **Cognitive psychologist**  
Childhood and Adolescence Neuropsychiatry Unit - Fatebenefratelli Hospital, Milan, Italy  
Activities: Neuropsychological assessment and diagnosis of developmental cognitive disorders in children and adolescents

## FUNDED PROJECTS

---

- Project:                      **Decidere di vaccinarsi: aspetti cognitivi e differenze individuali**  
Funding:                      Finanziamento per la ricerca Linea D1 2021
- Project:                      **Fattori sociali e cognitivi influenzano il riconoscimento e la diffusione delle fake news durante la pandemia da COVID-19**  
Funding:                      Finanziamento per la ricerca Linea D1 2020
- Project:                      **INCLUDI Interreg Europe**  
Funding:                      Co-finanziato dal programma INTERREG Italia-Svizzera CUP J46C18000530004 – 2019
- Project:                      **Insight, creatività e impulsività nell'anziano**  
Funding:                      Finanziamento per la ricerca Linea D1 2019
- Project:                      **Linee progettuali di un esperimento sulla percezione della durata di un breve prodotto audiovisivo rappresentante diversi tipi di azione mediante differenti tipologie di montaggio**  
Funding:                      PRIN-MIUR 2017

## HONORS AND AWARDS

---

- 2020                      **Scholarship grant**  
Awarded by the committee of the Neurosciences and Music – VII Conference, June 18-21, Aarhus, Denmark

For the contribution entitled '*The effects of a rhythm-based reading training for dyslexia in adolescence and early adulthood*'.

- 2018 **Best PhD thesis in Experimental Psychology Award, Top 5 shortlisted**  
Awarded by the committee of Experimental Psychology Division of Italian Psychology Association (AIP), September 21, Rome, Italy  
For the thesis entitled *Improving reading skills in students with dyslexia: The efficacy of a rhythm-based training*.
- 2017 **Travel Grant**  
Awarded by the committee of the 23<sup>rd</sup> National Congress of the Experimental Psychology Division of Italian Psychology Association (AIP), September 20-22, Bari, Italy  
For the contribution entitled *Temporal processing deficit and dyslexia: A music-rhythmic intervention combined with tDCS for training reading abilities*.
- 2016 **Best Poster, 3<sup>rd</sup> place**  
Awarded by the committee of the Cognitive Science Arena, February 19-20, Brixen, Italy  
For the contribution entitled *Improving reading skills in students with dyslexia: The efficacy of a rhythmic training*.
- 2015 **Special Mention**  
Awarded by the committee of the 5<sup>th</sup> EAI International Symposium on Pervasive Computing Paradigms for Mental Health - MindCare, September 24-25, Milan, Italy  
For the contribution entitled *Rhythmic Reading Training (RRT): A computer-assisted intervention program for dyslexia*.
- 2013 **Research grant**  
Funded by ASAIS Association for the study and analysis of traffic collision  
Research project: *Event predictability and detection-identification in a simulated driving environment*.

## SCIENTIFIC AND PROFESSIONAL AFFILIATIONS AND SERVICES \_\_\_\_\_

### Senior Editor

Europe's Journal of Psychology (EJOP)

### Guest Associate Editor

Frontiers in Psychology – Cognitive Science

### Review Editor

Frontiers for Young Minds – Neuroscience and Psychology  
Frontiers in Psychology – Health Psychology  
Frontiers in Behavioral Neuroscience – Pathological Conditions  
Frontiers in Psychology – Pediatric Psychology

### Ad-hoc Reviewer

Creativity Research Journal  
Neuropsychologia  
Ricerche di Psicologia

**Scientific Organization Member**

Italian Psychology Association (AIP) – Experimental Psychology Division  
2017 - current

**Professional Organization Member**

Italian Association for Research and Intervention in Learning Psychopathology (AIRIPA)  
2012 – current

**Technical Program Committee Member**

EC3 – 3rd Marconi Institute for Creativity (MIC) Conference – June 20-22 Bologna, Italy  
2019

**LANGUAGES** \_\_\_\_\_

**Italian:** Native

**English:** Fluent (C1 level, TOEFL)

## PUBLICATIONS

---

### PEER-REVIEWED JOURNAL ARTICLES

- Magenes, S., **Cancer**, A., Curti, S., Pradella, C., & Antonietti, A. (2022). Learning skills, creativity, and self-efficacy in vocational school students. *Learning and Motivation*, 79, 101829. <https://doi.org/10.1016/j.lmot.2022.101829>
- Cancer**, A., Repetto, C., Maietti, A., & Antonietti, A. (2022). Testing a music-based virtual reality intervention for upper limb motor rehabilitation in post-stroke hemiparetic patients. *Annual Review of CyberTherapy and Telemedicine*, 20, 135–137.
- Giorgetti, M., Magenes, S., Boerchi, D., **Cancer**, A., & Antonietti, A. (2022). Parents' expectations regarding the choice of secondary school and future employment for students with Specific Learning Disabilities. *Life Span and Disability*, XXV(1), 87–119.
- Colombo, B., **Cancer**, A., Carruthers, L., & Antonietti, A. (2022). Editorial: Creativity in Pathological Brain Conditions Across the Lifespan. *Frontiers in Psychology*, 13. <https://www.frontiersin.org/article/10.3389/fpsyg.2022.932399>
- Cancer**, A., & Antonietti, A. (2022). Music-based and auditory-based interventions for reading difficulties: A literature review. *Heliyon*, 8(4), e09293. <https://doi.org/10.1016/j.heliyon.2022.e09293>
- Cancer**, A., Iannello, P., Salvi, C., & Antonietti, A. (2022). Executive functioning and divergent thinking predict creative problem-solving in young adults and elderlies. *Psychological Research*. <https://doi.org/10.1007/s00426-022-01678-8>
- Cancer**, A., De Salvatore, M., Granocchio, E., Andreoli, L., Antonietti, A., & Sarti, D. (2022). The Role of Auditory and Visual Components in Reading Training: No Additional Effect of Synchronized Visual Cue in a Rhythm-Based Intervention for Dyslexia. *Applied Sciences*, 12(7), 3360. <https://doi.org/10.3390/app12073360>
- Colautti, L., **Cancer**, A., Magenes, S., Antonietti, A., & Iannello, P. (2022). Risk-Perception Change Associated with COVID-19 Vaccine's Side Effects: The Role of Individual Differences. *International Journal of Environmental Research and Public Health*, 19(3), 1189. <https://doi.org/10.3390/ijerph19031189>
- Cancer**, A., Lodato, F., Bonali, M., Stefanini, L., Tolomini, D., Fogassi, L., & Antonietti, A. (2021). “Dove tirerà?” Un paradigma sperimentale per l'indagine del riconoscimento delle intenzioni del giocatore nel calcio del rigore [“Where will he shoot?” An experimental paradigm for the investigation of the intention recognition of the soccer player in penalty kick]. *Ricerche di Psicologia - Open Access*, 44, 1–21. <https://doi.org/10.3280/rip2021oa12896>
- Germagnoli, S., Antonietti, A., & **Cancer**, A. (2021). Supportare bambini e ragazzi con difficoltà linguistiche attraverso interventi a base ritmico-musicale. [Support children and young people with language difficulties through rhythmic-musical trainings]. *Psicologia dell'Educazione*, 2/2021, 11-21.

- Cancer**, A., Vanutelli, M. E., Lucchiari, C., & Antonietti, A. (2021). Using Neurofeedback to Restore Inter-Hemispheric Imbalance: A Study Protocol for Adults with Dyslexia. *Frontiers in Psychology*, 12, 5158. <https://doi.org/10.3389/fpsyg.2021.768061>
- Cancer**, A., Sarti, D., De Salvatore, M., Granocchio, E., Chieffo, D. P. R., & Antonietti, A. (2021). Dyslexia Telerehabilitation during the COVID-19 Pandemic: Results of a Rhythm-Based Intervention for Reading. *Children*, 8(11), 1011. <https://doi.org/10.3390/children8111011>
- Antonietti, A., & **Cancer**, A. (2021). Chi decide che cosa è meglio per i soggetti della ricerca? [Who decides what is better for the participants involved in a research study?]. *Psicologia clinica dello sviluppo*, 25(2), 267–269. <https://doi.org/10.1449/101500>
- Magenes, S., **Cancer**, A., Curti, S., Monti, F., Antonietti, A., & Traficante, D. (2021). Rappresentazione di sé e del futuro e impegno scolastico in bambini e adolescenti con disturbo specifico dell'apprendimento. [Self-image and Representation of the Future, School Commitment, and Sport Activities in Children and Adolescents with Learning Disabilities]. *Psicologia clinica dello sviluppo*, 3, 493–506. <https://doi.org/10.1449/100600>
- Santi, F., **Cancer**, A., & Alessandro Antonietti (2021). Il dibattito sul cognitive enhancement: opportunità e criticità [The debate on cognitive enhancement: Opportunities and critical issues]. *Sistemi Intelligenti*, 2, 261-279. <https://doi.org/10.1422/101191>
- Magenes, S., Antonietti, A., & **Cancer**, A. (2021). Creative Thinking and Dyscalculia: Conjectures About a Still Unexplored Link. *Frontiers in Psychology*, 12. <https://doi.org/10.3389/fpsyg.2021.671771>
- Colautti, L., Magenes, S., Rago, S., Zanaboni Dina, C., **Cancer**, A., & Antonietti, A. (2021). Creative Thinking in Tourette's Syndrome: An Uncharted Topic. *Frontiers in Psychology*, 12. <https://doi.org/10.3389/fpsyg.2021.649814>
- Salvi, C., Iannello, P., **Cancer**, A., McClay, M., Rago, S., Dunsmoor, J. E., & Antonietti, A. (2021). Going Viral: How Fear, Socio-Cognitive Polarization and Problem-Solving Influence Fake News Detection and Proliferation During COVID-19 Pandemic. *Frontiers in Communication*, 5. <https://doi.org/10.3389/fcomm.2020.562588>
- Minoliti, R., **Cancer**, A., & Antonietti, A. (2020). Attachment, causal attributions, and conceptions of intelligence in 10 to 13-year-old children [Rapporti tra attaccamento, stili attributivi e concezioni dell'intelligenza in bambini di 10-13 anni]. *Ricerche di Psicologia*, 43(4), 1109–1130. <https://doi.org/10.3280/RIP2020-004008>
- Corvace, G., Greci, L., Antonietti, A., **Cancer**, A., Arlati, S., & Sacco, M. (2020). An immersive virtual reality application for the rehabilitation of children with dyslexia. *Annual Review of CyberTherapy and Telemedicine*, 18, 165–169.
- Dina, C. Z., Rago, S., **Cancer**, A., & Antonietti, A. (2020). Music-dance-imaging training for young adults with Tourette Syndrome. *Life Span and Disability*, 23(2), 187–209.
- Crepaldi, M., Colombo, V., Mottura, S., Baldassini, D., Sacco, M., **Cancer**, A., & Antonietti, A. (2020). The Use of a Serious Game to Assess Inhibition Mechanisms in Children. *Frontiers in Computer Science*, 2. <https://doi.org/10.3389/fcomp.2020.00034>
- Cancer**, A., Bonacina, S., Antonietti, A., Salandi, A., Molteni, M., & Lorusso, M. L. (2020). The Effectiveness of Interventions for Developmental Dyslexia: Rhythmic Reading Training



- Compared with Hemisphere-Specific Stimulation and Action Video Games. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.01158>
- Crepaldi, M., Colombo, V., Mottura, S., Baldassini, D., Sacco, M., **Cancer**, A.; & Antonietti, A. (2020). Antonyms: A Computer Game to Improve Inhibitory Control of Impulsivity in Children with Attention Deficit/Hyperactivity Disorder (ADHD). *Information*, 11(4), 230. <https://doi.org/10.3390/info11040230>
- Cancer**, A., Minoliti, R., Crepaldi, M., & Antonietti, A. (2020). Identifying Developmental Motor Difficulties: A Review of Tests to Assess Motor Coordination in Children. *Journal of Functional Morphology and Kinesiology*, 5(1), 16. <https://doi.org/10.3390/jfmk5010016>
- Cancer**, A., Stievano, G., Pace, G., Colombo, A. & Antonietti, A. (2019). Cognitive Processes Underlying Reading Improvement during a Rhythm-Based Intervention. A Small-Scale Investigation of Italian Children with Dyslexia. *Children*, 6(8), 91. <https://doi.org/10.3390/children6080091>
- Colombo, B., Iannello, P., Christensen, A. S., & **Cancer**, A. (2019). Abstract #82: Neuromodulation as way to affect ADHD related symptoms. A tDCS study. *Brain Stimulation*, 12(2), e29. <https://doi.org/10.1016/j.brs.2018.12.089>
- Germagnoli, S., **Cancer**, A., & Antonietti, A. (2018). Un approccio ritmico per il potenziamento della lettura nella dislessia evolutiva [A rhythmic approach for reading improvement in developmental dyslexia]. *Psicologia dell'Educazione*, 3, 52–66.
- Cancer**, A., Schulz, P. J., Castaldi, S., & Antonietti, A. (2018). Neuroethical Issues in Cognitive Enhancement: The Undergraduates' Point of View. *Journal of Cognitive Enhancement*, 2(4), 323–330. <https://doi.org/10.1007/s41465-018-0110-3>
- Cancer**, A., & Antonietti, A. (2018). tDCS Modulatory Effect on Reading Processes: A Review of Studies on Typical Readers and Individuals with Dyslexia. *Frontiers in Behavioral Neuroscience*, 12:162. <https://doi.org/10.3389/fnbeh.2018.00162>
- Cancer**, A., & Antonietti, A. (2018). Rapid Automatized Naming, Verbal Working Memory, and Rhythm Discrimination as Predictors of Reading in Italian Undergraduate Students with and without Dyslexia. *Brain Sciences*, 8(5), 87. <https://doi.org/10.3390/brainsci8050087>.
- Cancer**, A., & Antonietti, A. (2017). Remedial interventions for developmental dyslexia: how neuropsychological evidence can inspire and support a rehabilitation training. *Neuropsychological Trends*, (22), 73–95. <https://doi.org/10.7358/neur-2017-022-canc>
- Cancer**, A., Manzoli, S., & Antonietti, A. (2016). The alleged link between creativity and dyslexia: Identifying the specific process in which dyslexic students excel. *Cogent Psychology*, 3(1), 1190309. <https://doi.org/10.1080/23311908.2016.1190309>
- Cancer**, A., Bonacina, S., Lorusso, M. L., Lanzi, P. L., & Antonietti, A. (2016). Rhythmic Reading Training (RRT): A computer-assisted intervention program for dyslexia. In S. Serino, A. Matic, D. Giakoumis, G. Lopez & P. Cipresso (Eds.), *Pervasive computing paradigms for mental health* (pp. 249-258). Cham: Springer. doi: 10.1007/978-3-319-32270-4\_25.

- Manzoli, S., **Cancer**, A., & Antonietti, A. (2016). Gli studenti con dislessia sono creativi? Uno studio nella scuola secondaria di primo grado [Are Students with Dyslexia Creative? A Study in a Junior High School]. *Psicologia Clinica dello Sviluppo*, 20(1), 125-138.
- Cancer**, A., Cadirola, I. M., Giorgetti, M., Giancarlo, S., & Antonietti, A. (2016). Approccio all'apprendimento e DSA: differenze fra tre tipi di disturbo [Approach to learning and specific learning disability (SLD): Differences between three types of disorders]. *Psicologia dell'Educazione*, 2, 39-52.
- Germagnoli, S., **Cancer**, A., Bonacina, S. (2016). La musica nella riabilitazione della dislessia: dati a favore dell'efficacia del "training lettura ritmica" [Music in the rehabilitation of dyslexia: Data supporting the effectiveness of 'rhythmic reading training']. *Ricerche di Psicologia*, 39, 21-35.
- Germagnoli, S., Bonacina, S., **Cancer**, A., & Antonietti, A. (2016). Dislessia e musica: Dai meccanismi comuni ai trattamenti [Dyslexia and music: From common mechanisms to treatments]. *Dislessia*, (13/2), 137-163
- Bonacina, S., **Cancer**, A., Lanzi, P. L., Lorusso, M. L., & Antonietti, A. (2015). Improving reading skills in students with dyslexia: the efficacy of a sublexical training with rhythmic background. *Frontiers in Psychology*, 6, 1-8. doi: 10.3389/fpsyg.2015.01510
- Germagnoli, S., Zorzi, C., **Cancer**, A., Angelini, L., & Antonietti, A. (2015). Applicazione di un training a base ritmico-sonora per bambini con dislessia. [Application of a rhythmic-sound training for children with dyslexia] *AR: Abilitazione e Riabilitazione*, 24(2), 7-25.
- Bertoni, S., **Cancer**, A., Zugno, E., Zanaboni, C., Allevi, M., & Antonietti, A. (2014). Training musicale per bambini con disturbo da deficit di attenzione e iperattività (ADHD): L'efficacia di un intervento in piccolo gruppo [Music training for children with attention deficit and hyperactive disorder (ADHD): The effectiveness of a small group intervention]. *AR: abilitazione e riabilitazione*, 23(2), 37-47.
- Cancer**, A., Meinerò, C. A., & Antonietti, A. (2013). Rilevazione e individuazione di ostacoli con diverso grado di prevedibilità nella guida automobilistica [Detection and identification of obstacles with different levels of predictability in car driving]. *Ricerche di Psicologia*, (4), 639-652.

## BOOKS/BOOK CHAPTERS

---

- Buffoli, A., **Cancer**, A., & Antonietti, A. (2022). Migliorare le capacità di lettura di studenti con impianto cocleare: L'efficacia di un trattamento ritmico-musicale [Improving reading skills of students with cochlear implant: Efficacy of a rhythmic-musical intervention]. In *L'inclusione scolastica dei bambini e ragazzi sordi [School inclusion of deaf children and adolescents]* (pp. 165-170). Erickson.
- Antonietti, A., **Cancer**, A., Fabio, R. A., Iannello, P., Zugno, E., (2021). Multimedia learning in ADHD students, in B. M. Kyse, B. M. K. (ed.), *Attention-Deficit Hyperactivity Disorder: Diagnosis, prevalence and treatment*, Nova Science Publishers, Hapauge, NY: 71- 95 [<http://hdl.handle.net/10807/173653>]
- Antonietti, A., **Cancer**, A., Colombo, B., & Iannello, P. (2021). Metacognitive Experience Across the Creative Process. In D. Moraitou & P. Metallidou (Eds.), *Trends and Prospects in Metacognition*

*Research across the Life Span: A Tribute to Anastasia Efklides* (pp. 59–79). Springer International Publishing. [https://doi.org/10.1007/978-3-030-51673-4\\_4](https://doi.org/10.1007/978-3-030-51673-4_4)

**Cancer**, A., Santi, F., & Antonietti, A. (2021). tES to rehabilitate neurodevelopmental disorders: A study on clinical practitioners' attitudes. In R. C. Kadosh, T. Zaehle, & K. Krauel (Eds.), *Progress in Brain Research* (Vol. 264, pp. 343–361). Elsevier. <https://doi.org/10.1016/bs.pbr.2021.01.018>

Antonietti, A., **Cancer**, A. & Balossi-Restelli, M. (2020). Il clavicembalo ben letterato. Training di lettura ritmica per il potenziamento delle abilità linguistiche [*The Well-Lettered Clavier. Rhythmic reading training for linguistic abilities improvement*]. Milano: Rugginenti.

**Cancer**, A., Germagnoli, S., De Salvatore, M., Sarti, D., Granocchio, E., Chieffo, D. P. R., Mercuri, E. M., & Antonietti A. (2020). Tele-riabilitazione con il Training Lettura Ritmica: Applicazione a distanza di un training ritmico-musicale per il potenziamento della lettura nella dislessia evolutiva. In L. Marotta, C. Bachman & C. Gagliardi (Eds.), *Telerehabilitazione nei disturbi di apprendimento [Telerehabilitation in learning disorders]* (pp. 219–226). Trento: Edizioni Centro Studi Erickson.

**Cancer**, A., & Antonietti, A. (2020). Creativity and dyslexia: Theoretical insights and empirical evidence supporting a possible link. In Kreitler, S. (ed.), *New Frontiers in Creativity* (pp. 125-148). Hauppauge (NY): Nova Science Publishers Inc.

**Cancer**, A., & Antonietti, A. (2018). Interventi innovativi per il potenziamento della lettura negli studenti con dislessia. [Innovative interventions for reading improvement in students with dyslexia] In Lucchiarri, C. (ed.), *Psicologia a scuola. Un percorso pratico-teorico [Psychology in school. A practical-theoretical path]* (pp. 150–163). Limena (PD): libreriauniversitaria.it.

**Cancer**, A & Antonietti, A. (Eds) (2016). *Il pensiero in azione Applicazioni della psicologia cognitiva [Thinking in action: Applications of cognitive psychology]*. New York: Psyprint.

**Cancer**, A., Antonietti, A., Colombo, B. (2010). Ascoltare vedendo. Percezione musicale, elaborazione immaginativa e movimenti oculari [Musical perception, image processing and eye movements]. In Balconi, M. (Ed.), *Il comportamento visivo. Elementi di psicologia e neuropsicologia dei movimenti oculari. [Visual behavior: Elements of psychology and neuropsychology of eye movements]* (pp. 123-139). Torino: Centro Scientifico Editore.

### **UNREFEREED/INVITED ARTICLES**

Antonietti, A., **Cancer**, A. (2016). La creatività come risorsa per gli studenti con dislessia [Creativity as a resource for students with dyslexia]. *Psicologia e Scuola*, 36(43), 50-57.

Antonietti, A., **Cancer**, A. (2013). Sviluppare il pensiero visivo [Enhancing visual thinking]. *Psicologia e Scuola*, 33(27), 1-8.

### **SCOPUS INDEXING**

---

Documents:	37
Total Citations:	211
h-index:	9

## CONFERENCE PRESENTATIONS

---

### TALKS

- Cancer, A.** (2022, September). Creative content facilitates comprehension in children with developmental dyslexia. In Cancer, A. (Chair), Enhanced creativity in dyslexia: Discussing hypotheses and empirical evidence. Symposium conducted at the *MIC Conference 2022*, Bologna, Italy.
- Cancer, A.** (2022, July). Non-Invasive Brain Stimulation (NIBS): Basic principles, approaches, and procedures. In Antonietti, A. & Cancer, A. (Chairs), The neuroenhancement of human capabilities: Challenging issues through the lens of an interdisciplinary approach. Symposium conducted at the *IFCU 7th International Psychology Congress - Psychology in Dialogue*.
- Crepaldi, M., **Cancer, A.**, Fusi, G., Borsa, V. M., Segatta, C., Colombo, B., Iannello, P., Antonietti, A., & Rusconi, M. L. (2022). Il ruolo della riserva cognitiva e del pensiero divergente nel processo decisionale e nella percezione del rischio nell'anziano. XV Convegno Nazionale di Psicologia dell'Invecchiamento "Psicologia dell'invecchiamento per la pace", *Società Italiana di Psicologia dell'Invecchiamento (SIPI)*, Padova, 27-28 May 2022.
- Cancer, A.**, Sarti, D., Di Salvatore, M., Granocchio, E., Guida, M., Germagnoli, S., Chieffo, D. P. R., Mercuri, E. M., & Antonietti, A. (2021, January). Telerabilitazione con il Training Lettura Ritmica durante la pandemia da Covid-19: uno studio preliminare. *Giornate di Neuropsicologia dell'Età Evolutiva – XVI Edizione*, Bressanone (BZ), 20-23 January 2021.
- Antonietti, A., **Cancer, A.** & Vaccarini, M. (2020, November). La mente nei suoni: Come la musica può aiutare nella riabilitazione del linguaggio. Presented at the *Meet Me Tonight 2020*, Brescia, 27-28 November 2020.
- McClay, M., Salvi, C., Iannello, P., **Cancer, A.**, Cooper, S. E., Antonietti, A., & Dunsmoor, J. E. (2020, October). Fear, problem-solving, and socio-cognitive polarization during the early peak of the COVID-19 pandemic. Presented at the *Society for the Neuroscience of Creativity SfNC 2020 Meeting*, USA.
- Cancer, A.**, Iannello, P., Salvi, C., & Antonietti, A. (2020, October). Creative problem solving in aging: The role of executive functions, divergent thinking, and risk taking (pp.21). Presented at the *Society for the Neuroscience of Creativity SfNC 2020 Meeting*, USA.
- Antonietti, A. & **Cancer, A.** (2020, September). The creative profile of children and adolescents with developmental dyslexia. In Lucchiari, C. (Chair), The "limits" of creativity: Studies and applications in atypical situations. Symposium conducted at the *MIC Conference 2020*, Italy, p. 39.

- Cancer**, A., Santi, F., & Antonietti, A. (2020, September). Uso della stimolazione cerebrale non invasiva (NIBS) in età pediatrica: Un'indagine sulle opinioni degli esperti. Presented at the *XXIX Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) "I disturbi dell'apprendimento"*, Italy, p. 22.
- Cancer**, A., Salvi, C., Iannello, P., McClay, Mason, Rago, S., Dunsmoor, J. E., & Antonietti, A. (2020, September). Fake news e COVID-19: Predittori sociali e cognitivi della credenza alle fake news durante la pandemia da COVID-19. Presented at the *XXVI Congresso AIP Sezione Sperimentale*, Italy, p. 121.
- Antonietti, A., **Cancer**, A., Castaldi, S., & Schulz, P. (2019, December). Stimulating the brain to improve the mind: Naive people's conceptions about neuroenhancement. Proceedings of the *II International Scientific Conference "Brain and mind: Promoting individual and community well-being"*, Department of Psychology of the Catholic University of Croatia, Zagreb, 12-14 December 2019, p. 101.
- Cancer**, A., Sarti, D., De Salvatore, M., Guida, Granocchio, E. & Antonietti, A. (2019, November). Il ruolo del genere nella dislessia evolutiva: differenze nelle abilità di lettura e nella risposta al trattamento. Presented at the *VIII Corso di formazione permanente in Neuroscienze cognitivo/comportamentali dello sviluppo e differenze di genere: normalità e patologia*, Milan, Italy.
- Antonietti, A. & **Cancer**, A. (2019, September). Il potenziale creativo nei disturbi del neurosviluppo: punti di forza nei profili cognitivi di bambini con dislessia evolutiva. In **Cancer**, A. (Chair), Che cosa i disturbi neuropsicologici nel ciclo di vita insegnano circa i meccanismi del pensiero creativo? Symposium conducted at the *XXV Congresso AIP Sezione Sperimentale*, Milan, Italy, p. 202.
- Cancer**, A., Antonietti, A., Bonali, M., Fogassi, L., Lodato, F., Stefanini, L. & Tolomini, D. (2019, September). Il sistema dei neuroni a specchio nel calcio di rigore: Un paradigma sperimentale per l'indagine del riconoscimento delle intenzioni del giocatore. Presented at the *XXV Congresso AIP Sezione Sperimentale*, Milan, Italy, p. 86.
- Cancer**, A. (2019, March). Improving reading in Italian students with dyslexia: The efficacy of a rhythm-based intervention program. In **Cancer**, A. (Chair), Music and rhythm as remedial tools for improving reading in dyslexia: From auditory processing to effective intervention approaches. Symposium conducted at the *2019 International Convention of Psychological Science*, Paris, France.
- Cancer**, A. (2019, February). Il ritmo e la musica come strumenti per il potenziamento delle abilità fonologiche e di lettura. Presented at the *VI Convegno "Psicologia & Scuola" (In classe ho un bambino che)*, Milan, Italy.
- Traficante, D. & **Cancer**, A. (2018, November). Le parole che insegnano: potenziare le abilità di lettura e scrittura scoprendo suoni e significati nascosti. Presented at the Conference *Parole a Scuola*, Bari, Italy.
- Cancer**, A., Vanutelli, M. E., Lucchiari, C., & Antonietti, A. (2018, October). The effect of a rhythm-based reading training combined with tDCS: A preliminary study on undergraduate students with dyslexia. Presented at the *European Dyslexia Association (EDA) Autumn Seminars 2018*, Munich, Germany.

- Cancer, A., & Antonietti, A.** (2018, June). Rhythmic Reading Training: A novel rhythm-based intervention program for dyslexia. Presented at the *5th International Conference of the International Association for Music and Medicine IAMM*, Barcelona, Spain.
- Cancer, A.** (2017, December). Exploiting Creative Skills in Children and Adolescents with Cognitive Impairments. In Antonietti, A. & Cantoia, M. (Chairs), *Enhancing Creativity to Promote Wellbeing in Children and Adolescents*. Symposium conducted at the *1st International Scientific Conference of the Department of Psychology at the Catholic University of Croatia*, Zagreb, Croatia.
- Cantoia M. & **Cancer, A.** (2017, September). Quando la musica aiuta ad imparare [When music helps learning]. Presented at the Seminar *Comunicare con la musica: i mondi possibili*, Varese, Italy.
- Cancer, A. & Antonietti, A.** (2017, September). Deficit di elaborazione temporale e dislessia: un intervento ritmico-musicale abbinato a tDCS per potenziare le abilità di lettura [Temporal processing deficit and dyslexia: A music-rhythmic intervention combined with tDCS for training reading abilities]. In Mioni, G. & Cellini, N. (Chairs), *Nuove frontiere della ricerca sul tempo [New frontiers in time research]*. Symposium conducted at the *XXIII Congresso Nazionale AIP Sezione Sperimentale*, Bari, Italy.
- Antonietti, A., **Cancer, A.** & Zanaboni Dina, C. (2017, July). Creative Techniques to Support Children with Learning Deficits. Workshop conducted at the *Excellence, Innovation, & Creativity in Basic-Higher Education & Psychology Conference*, Lisbon, Portugal.
- Cancer, A.**, (2017, July). Creativity in Dyslexia. In Antonietti, A. (Chair), *Creativity in atypical development*. Symposium conducted at the *Excellence, Innovation, & Creativity in Basic-Higher Education & Psychology Conference*, Lisbon, Portugal.
- Cancer, A.**, (2017, March). Unusual Associations Are Enhanced in Pre-adolescents with Dyslexia. In Antonietti, A. (Chair), *Do Cognitive Impairments Inhibit or Enhance Creativity? Insights from Autism, Dyslexia, and ADHD Across the Lifespan*. Symposium conducted at the *International Convention of Psychological Science ICPS 2017*, Vienna, Austria.
- Cancer, A.** (2017, February). Leggere e scrivere: Potenziare le abilità linguistiche: spunti dalla musica [Enhancing linguistic abilities: hints from music]. Presented at the *V Congresso Nazionale di Psicologia e Scuola 'In classe ho un bambino che...'*, Firenze, Italy.
- Cancer, A.**, (2016, October). Risultati di un training combinato di lettura e ritmo per la riabilitazione della dislessia [Results of a reading-and-rhythm-combined training for the rehabilitation in dyslexia] (p. 3). Presented at the Conference *La musica nello sviluppo delle abilità linguistiche*, Bosisio Parini (LC), Italy.
- Cancer, A.**, Germagnoli, S., Bonacina, S., Lorusso, M. L., & Antonietti, A. (2016, September). Rhythmic Reading Training: Evidence of Effectiveness in Improving Reading Skills in Italian Students with Dyslexia. Presented at *5th All European Dyslexia Conference*, Modena, Italy.
- Cancer, A.**, Caldironi, M., & Antonietti, A. (2016, June). Un caso di investimento di pedone in condizioni notturne: applicazione di una nuova procedura sperimentale di indagine [A case of pedestrian collision in night conditions: Application of a new experimental investigation

- procedure] (pp. 39–66). Presented at the *XXVII Convegno Nazionale ASAIS-EVU Italia*, Bologna, Italy.
- Cancer**, A., & Antonietti, A. (2016, April). Leggere musicalmente: tecniche di lettura con il supporto della musica [Reading musically: Reading technics supported by music]. Presented at the Workshop *Dislessia in Musica*, Seveso (MB), Italy.
- Cancer** A., & Antonietti A. (2015, September). Rhythmic Reading Training (RRT): A computer-assisted intervention program for dyslexia. Presented at the *V Alliance for Innovation (EAI) International Symposium on Pervasive Computing Paradigms for Mental Health – MindCare*, Milan, Italy.
- Bonacina, S., **Cancer**, A., Lorusso, M. L., Salandi, A., & Antonietti, A. (2015, October). L'efficacia del training di lettura ritmico-melodica: confronto con altri trattamenti per la dislessia [The effectiveness of a rhythmic-melodic reading training: Comparison with other treatments for dyslexia]. Presented at the *XXIV Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Pesaro, Italy.
- Zugno, E., **Cancer**, A., Zanaboni, C., Allevi, M. & Bertoni, S. (2014, February). Imparare a stare attenti attraverso il movimento e la musica [Learning to be focused through movement and music]. Presented at the *Giornata SPAEE 'Imparo con il corpo, il corpo impara: la dimensione fisico-motoria nell'apprendimento'*, Milano, Italy.
- Cancer**, A., Scotti, G., Cadirola, I., Antonietti, A. & Giorgetti, M. (2013, October). Approccio all'apprendimento in profili di disturbo non verbale, dislessia e discalculia [Approach to learning in non-verbal disorder profiles, dyslexia and dyscalculia] (p. 24). Presented at the of the *XXII Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Pordenone, Italy.
- Bonacina, S., **Cancer**, A., Lanzi, P. L., & Antonietti, A. (2013, October). Training di lettura ritmico-melodica: un'applicazione con ragazzi dislessici [Rhythmic Reading Training: An application on dyslexic children] (p. 136). Presented at the *XXII Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Pordenone, Italy.
- Cancer**, A., Antonietti, A., & Meinero, C. A. (2013, March). Prevedibilità dell'evento e percezione-riconoscimento-valutazione in un contesto simulato di guida: dati preliminari [Event predictability and perception-recognition-evaluation in a simulated driving context: Preliminary data]. Presented at the *XIII Convegno Nazionale ASAIS*, Milan, Italy.
- Sala, R., **Cancer**, A., Pennati, A., & Valenti, C. (2013, February). I compiti tra cooperazione e tecnologia [Homeworks among cooperation and technology]. Presented at the *Giornata SPAEE 'Fai i compiti o... facciamo i compiti? Il compito d'apprendimento tra genitori e figli'*, Milan, Italy.
- Cancer**, A., Scotti, G., Giorgetti, M., & Antonietti, A. (2012, October). Lettura, scrittura e calcolo i profili di disturbo non verbale [Reading, writing and calculus in non-verbal disability profiles] (p. 97). Presented at the *XXI Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Bari, Italy.

## POSTERS

- Magenes, S., Colautti, L., Rago, S., Camerin, S., Zanaboni Dina, C., **Cancer**, A., & Antonietti, A. (2022, May). Creative thinking and Tourette's Syndrome. Presented at the *Society for the Neuroscience of Creativity SfNC 2022 7<sup>th</sup> Meeting*, USA.
- Cancer**, A., Bombacigno, R., Castelli, A. & Antonietti, A. (2021). Poetry Rhythmic Reading (PRR): Un training a base ritmico-musicale per l'allenamento della lettura di testi in lingua inglese. *Proceedings of the XXX Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) "I disturbi dell'apprendimento"*, Online, 24-25 September 2021.
- Antonietti, A., **Cancer**, A. & Germagnoli, S. (2021). Potenziare le abilità linguistiche con il supporto del ritmo e della musica: il training "Il clavicembalo ben letterato". *Proceedings of the XXX Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) "I disturbi dell'apprendimento"*, Online, 24-25 September 2021.
- Cancer**, A. & Antonietti, A. (2021). The effects of a rhythm-based reading training for dyslexia in adolescence and early adulthood. *Proceedings of The Neurosciences and Music VII*, Aarhus, Denmark, 18-21 June 2021, pp. 76.
- Zanaboni, D. C., Rago, S., **Cancer**, A. & Antonietti, A. (2021). Music, dance and imagination: a pilot training in young adults with tourette syndrome. *Proceedings of The Neurosciences and Music VII*, Aarhus, Denmark, 18-21 June 2021, pp. 76.
- Crepaldi, M., **Cancer**, A., Fusi, G., Colombo, B., Iannello, P., Antonietti, A., & Rusconi, M. L. (2021). Decision making, percezione del rischio e pensiero divergente: uno studio correlazionale. *Proceedings of the XIV Convegno Nazionale di Psicologia dell'Invecchiamento, Società Italiana di Psicologia dell'Invecchiamento (SIPI)*, 29 May 2021, pp. 84-85.
- Cancer**, A., & Antonietti, A. (2019, December). Rhythmic Reading Training (RRT): A rhythm-based intervention for students with dyslexia. *Proceedings of the II International Scientific Conference "Brain and mind: Promoting individual and community well-being", Department of Psychology of the Catholic University of Croatia, Zagreb*, 12-14 December 2019, p. 149.
- Cancer**, A., & Antonietti, A. (2019, December). The effects of tDCS combined with Rhythm-based reading training in undergraduate students with dyslexia: A preliminary study. *Proceedings of the II International Scientific Conference "Brain and mind: Promoting individual and community well-being", Department of Psychology of the Catholic University of Croatia, Zagreb*, 12-14 December 2019, p. 150.
- Sarti, D., **Cancer**, A., De Salvatore, M., Guida, M., Pelucchi, N., Granocchio, E., Minoliti, R., Guggiari, B., Pezzoni, P., Lorusso, M. L. & Antonietti, A. (2019, September). Il ruolo del ritmo e della guida visiva nel potenziamento della lettura: studio di efficacia di un intervento ritmico per la dislessia evolutiva. Presented at the *XXVIII Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) "I disturbi dell'apprendimento"*, Ferrara, Italy.



- Cancer, A., Biancardi, G. & Antonietti, A.** (2019, September). Pensiero creativo e disturbi del neurosviluppo: confronto tra studenti di scuola primaria con dislessia, ADHD e plusdotazione intellettuale. Presented at the *XXVIII Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) "I disturbi dell'apprendimento"*, Ferrara, Italy.
- Cancer, A., Stievano, G., Pace, G., Colombo, A., Brembati, F., Donini, R. & Antonietti, A.** (2019, January). Confronto di efficacia tra due approcci per il potenziamento nella dislessia evolutiva: Training Lettura Ritmica e metodo Abilmente. Presented at the *Giornate di Neuropsicologia dell'Età Evolutiva – XIV Edizione*, Bressanone (BZ), Italy.
- Cancer, A., Vanutelli, M. E., Lucchiari, C., & Antonietti, A.** (2018). The effect of tDCS combined with a rhythm-based reading training: A preliminary study on undergraduate students with dyslexia. Presented at the *Transcranial Brain Stimulation in Cognitive Neuroscience Workshop*, Rovereto, Italy, 6-7 December 2018.
- Cancer, A., & Antonietti, A.** (2018). Combining a rhythm-based intervention with transcranial direct current stimulation to improve reading in undergraduate students with dyslexia (p. 109-110). Presented at the *5th International Conference of the International Association for Music and Medicine IAMM*, 7-10 June 2018, Barcelona, Spain.
- Cancer, A., Germagnoli, S., & A. Antonietti** (2017, April). Training Lettura Ritmica (TLR): Potenziare la lettura degli studenti dislessici attraverso un programma informatizzato a base ritmico-musicale [Rhythmic Reading Training (RRT): Enhancing reading in dyslexic students through a computerized rhythmic-musical program]. Presented at the *XXXIV Congresso Nazionale CNIS*. Monza, Italy.
- Cancer, A., Germagnoli, S., Bonacina, S., Lorusso, M. L. & A. Antonietti** (2017, March). Rhythmic Reading Training (RRT): Combining Rhythm and Reading for Improving Fluency of Italian Students with Dyslexia. Presented at the *International Convention of Psychological Science ICPS*, Vienna, Austria.
- Cancer, A., & Antonietti, A.** (2017, March). Il ruolo di RAN, memoria di lavoro verbale e discriminazione ritmica nei processi di lettura di un gruppo di studenti universitari [The role of RAN, verbal working memory and rhythmic discrimination in the reading processes of a group of undergraduate students] (p. 8). Presented at the *Giornate di aggiornamento sull'uso degli strumenti in Psicologia clinico dello sviluppo*, Bologna, Italy.
- Cancer, A., Biancardi, G., & Antonietti, A.** (2017, January). Dislessia e creatività: confronto tra studenti con dislessia e normolettori nelle diverse componenti cognitive della creatività [Dyslexia and creativity: Comparison between students with dyslexia and typical-readers of the different cognitive components of creativity]. Presented at the *Giornate di Neuropsicologia dell'Età Evolutiva – XII Edizione*, Brixen, Italy.
- Cancer, A., Monti, F., & Antonietti, A.** (2016, October). A Rhythmic Intervention to Improve Reading Skills in Dyslexic Adults: Evidence from a Single Case Study (Vol. 20, p. 73). Presented at the *XXIV Congresso Nazionale della Società Italiana di Psicofisiologia*, Milan, Italy.
- Colombo, A., Pace, G., Pradella, C., Stievano, G., Germagnoli, S., Zorzi, C., Ottolini, A., Silibello, G., **Cancer, A., Antonietti, A.** (2016, October). L'efficacia del Training Lettura Ritmica (TLR) combinato con esercizi di elaborazione musicale: risultati preliminari di uno studio su un campione di studenti con dislessia evolutiva [The effectiveness of Rhythmic Reading Training

- (RRT) combined with musical processing exercises: Preliminary results of a study on students with developmental dyslexia] (p. 132-133). Presented at the *XXV Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Turin, Italy.
- Antonietti, A., & **Cancer**, A. (2016, October). Dislessia e creatività: rapporti tra componenti cognitive della creatività e livello di compromissione della lettura [Dyslexia and creativity: relations between the cognitive components of creativity and the level of reading impairment]. Presented at the *XXV Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Turin, Italy.
- Cancer**, A., & Antonietti, A. (2016, June), Rhythmic Reading Training (RRT): A computer-assisted intervention for improving reading skills of dyslexic children. Presented at the *IV Meeting of the Special Interest Group on Neuroscience and Education of the European Association for Research on Learning and Instruction (EARLI)*, Amsterdam, Netherlands.
- Cancer**, A., & Antonietti, A. (2016, March). Training Lettura Ritmica (TLR): un programma informatizzato a base ritmico-musicale per l'intervento nella dislessia [Rhythmic Reading Training (RRT): A computerized rhythmic-musical program for the intervention in dyslexia] (p. 8). Presented at the *Giornate di aggiornamento sull'uso degli strumenti in Psicologia clinico dello sviluppo*, Bologna, Italy.
- Bonacina, S., **Cancer**, A., Lorusso, M. L., Salandi, A., & Antonietti, A. (2016, February). Improving reading skills in students with dyslexia: The efficacy of a rhythmic training. Presented at the *Cognitive Science Arena, Bressanone (BZ)*, Italy.
- Cancer**, A., Germagnoli, S., Zorzi, C., Ottolini, A., Silibello, G., & Antonietti, A. (2016, January). Application of Rhythmic Reading Training combined with music processing exercises in a sample of children with developmental dyslexia [Applicazione del Training Lettura Ritmica combinato con esercizi di elaborazione musicale su un campione di bambini con Dislessia Evolutiva]. Presented at the *Giornate di Neuropsicologia dell'Età Evolutiva – XI Edizione*, Brixen, Italy.
- Antonietti, A., & **Cancer**, A. (2015, October). Un training ritmico-musicale per l'intervento nella dislessia evolutiva: evidenze sperimentali [A rhythmic-musical training for the intervention in developmental dyslexia: Experimental evidences] (p. 100). Presented at the *XXIV Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Pesaro, Italy.
- Cancer**, A., Zugno, E., Finazzi, R., Antonietti, A., & Sgroi, F. (2014, October). Prestazioni nelle scale di Attenzione e Pianificazione del Cognitive Assessment System (CAS) di adolescenti con ADHD e altri disturbi da comportamento dirompente [Cognitive Assessment System (CAS) attention and planning scales scores in adolescents with ADHD and other disruptive behavioral disorders] (p. 67-68). Presented at the *XXIII Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Lucca, Italy.
- Cancer**, A., Bonacina, S. & Antonietti, A. (2013, September). A Rhythmic-Melodic Training to Enhance Reading Skills: An Application with Dyslexic Children. Presented at the *EBRAMUS – Europe, BRAin and MUSIC: New perspectives for stimulating cognitive and sensory processes Conference*, Pavia, Italy.

Bonacina, S., **Cancer**, A., Lanzi, P. L., & Antonietti, A. (2013, October). Training di lettura ritmico-melodica: un'applicazione con ragazzi dislessici [Rhythmic-melodic reading training: An application on dyslexic children] (p. 136). *XXII Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Pordenone, Italy.

**Cancer**, A., & Antonietti, A. (2011, October). Integrazione del metodo sublessicale per la Dislessia con attività ritmico-musicali [Integration of the sublessical method for dyslexia with rhythmic-musical activities] (p. 107). Presented at the *XX Congresso Nazionale dell'Associazione Italiana per la Ricerca e Intervento nella Psicopatologia dell'Apprendimento (AIRIPA) 'I disturbi dell'apprendimento'*, Prato, Italy.

**Cancer**, A., Colombo, B., & Antonietti, A. (2010, June). Visual imagery and music: An analysis of eye movements and emotional response during listening. Presented at the *XII European Workshop on Imagery and Cognition (EWIC)*, Helsinki, Finland.

## **MEDIA PRESENCE/INTERVIEWS**

---

Ciappina, N. (2021, February 23). La grande alleata delle fake news: la paura. *SecondoTempo Cattolicanews* [News website]. Retrieved from <https://secondotempo.cattolicanews.it/news-la-grande-alleata-delle-fake-news-la-paura>

Gorman, R. M. (2017, March 29). The Invisible Force that Trains us to Read. *BioTechniques* [Scientific website]. Retrieved from <https://www.biotechniques.com/general-interest/the-invisible-force-that-trains-us-to-read/>

## **EVENT ORGANIZATION**

---

2022 Giornata di studi 'Le neuroscienze al servizio dell'apprendimento dell'inglese: Interventi innovativi per DSA' [Neuroscience at the service of English learning: Innovative interventions for SLD], March 15, Milan, Italy.

2021 Webinar 'Le basi neurali dei talenti associati alla dislessia' [Neural basis of talents associated with dyslexia], Invited talk by prof. John Stein, April 2021, Online

Webinar 'Il clavicembalo ben letterato: La lettura ritmica per il potenziamento linguistico e la riabilitazione' [The well lectured clavier: Rhythmic reading for language improvement and rehabilitation], March 2021, Online.

2020 Webinar 'Dal setting virtuale alla relazione clinica: Operatori a confronto' [From virtual setting to the clinical relation: Practitioners discuss], June 19, Milan, Italy.

2019 Workshop 'Lettura che passione! Prevenzione, valutazione e potenziamento per studenti con dislessia' [Reading, what a passion! Prevention, assessment, and improvement for students with dyslexia], September 7-8 and 10, Milan, Italy

Workshop 'Il cervello musicale e il linguaggio. Potenziare il linguaggio attraverso la musica' [The music brain and language. Improve language through music], March 14, Milan, Italy.

- Workshop '*Il cervello sonoro. Perché lo studio della musica potenzia le capacità mentali*' [The sonorous brain. Why music practice improves mental skills], March 16, Milan, Italy.
- 2018 Workshop '*Ascoltare immagini, fotografare suoni: Un workshop multimodale e interattivo per esplorare i rapporti tra immagine e musica*' [Listening to images, photographing sounds: A multimodal and interactive workshop to explore relationships between images and music], June 5, Milan, Italy.
- 2018 Conference '*Comunicare per includere: le potenzialità dell'educazione musicale*' [Communicate to include: The potential of music education], March 17, Milan, Italy.
- 2018 Workshop '*In a Yellow Submarine: Esplorare il controllo del cervello attraverso la musica dei Beatles*' [Explore brain control through Beatles music], March 16, Milan, Italy.
- 2015 Workshop '*Suonare per leggere, leggere per suonare: Metodologie pratiche per insegnare la musica ai soggetti con dislessia e riabilitare i soggetti con dislessia attraverso la musica*' [Play to read, read to play: Practical methods for teaching music to people with dyslexia and rehabilitating subjects with dyslexia through music], March 21, Milan, Italy.