



Lisa Toffoli *PhD student*

✉ lisa.toffoli@phd.unipd.it

☎ 0039 3495672914

📍 Cal di Sopra, 8, 31015 Conegliano, Italy

📅 18/02/1996

EDUCATION

2020 – 2021 Padova, Italy	II-level Master / Developmental Disorders and Psychopathologies <i>University of Padova</i>
2018 – 2020 Padova, Italy	I-level Master / Clinical Developmental Psychology <i>University of Padova</i> Graduation grade: 110 cum Laude
2015 – 2018 Padova, Italy	BA / Psychological Science of Development and Education <i>University of Padova</i> Graduation grade: 110 cum Laude

PROFESSIONAL EXPERIENCE

03/2023 – 09/2023 Cambridge, United Kingdom	Visiting PhD <i>University of Cambridge, United Kingdom</i> I spent 6 months at the Cognition and Brain Sciences Unit (University of Cambridge) in the 4D Lab under the supervision of Prof. Duncan Astle. Here, I had the chance to: <ul style="list-style-type: none">• learn how to use Hidden Markov Models (HMM) to study at-rest and task-related dynamic recruitment of large-scale brain networks underlying CC and behavior• establish new collaborations with Prof. Duncan Astle, especially regarding a multi-centric study on developmental conditions (e.g., ADHD, autism...). This allowed me to deepen my understanding about neurodiversity and the transdiagnostic approach• attend weekly seminars and events organized by the department• give a presentation at the 4D lab meeting
2021 – present Padova, Italy	PhD student <i>Psychological Sciences, University of Padova</i> My main research interests in the field of Developmental Cognitive Neuroscience concern: <ul style="list-style-type: none">• the impact of digital media content on neural and behavioral correlates of cognitive control during childhood

- neural and behavioral development of adaptive cognitive control in typical and atypical development (i.e., Attention Deficit Hyperactivity Disorder, Autism Spectrum Disorder)
- early signs of atypical development in siblings of children with neurodevelopmental disorders (i.e., Attention Deficit Hyperactivity Disorder, Autism Spectrum Disorder)

04/2021 – 09/2021
Conegliano, Italy

Research Assistant

IRCCS E.Medea "La Nostra Famiglia"

As part of my job as research assistant, I was involved in the following activities:

- collaborated in a study on cognitive flexibility in children with ADHD, epilepsy and learning disorders lead by Professor Giovanni Mento. To this end, within a comprehensive neuropsychological assessment, I administrated the Dynamic Temporal Prediction (DTP) task and the Attention Network Test (ANT) to children aged 8-13 years
- collaborated to a retrospective study focusing on behavioural comorbidities in children with self-limited epilepsies
- collaborated in a study investigating Autism Spectrum Disorder (ASD) in children with a rare genetic syndrome (i.e., Angelman Syndrome)

2020 – 2021
Conegliano, Italy

Post-graduate intern

IRCCS E.Medea "La Nostra Famiglia"

In the field of developmental psychopathology and neuropsychology, I was involved in the following activities:

- clinical anamnesis and neuropsychological assessment of children with different neurodevelopmental disorders, including Attention-Deficit/Hyperactivity-Disorder (ADHD), Oppositional Defiant disorder (ODD), Conduct disorder (CD), Autism Spectrum Disorder (ASD), Learning disorders (LDs) and Intellectual disabilities (IDs)
- neuropsychological evaluation of children with epilepsy and rare genetic syndromes (e.g., Angelman syndrome)
- Scoring of neuropsychological tests (e.g., Wechsler Intelligence Scale for Children Fourth Edition (WISC-IV); Nepsy-II) and drafting of clinical reports
- co-leading a self-regulatory training for a small group of children with ADHD
- collaborated to the realization of a book for siblings of children with a rare genetic syndrome (i.e., Angelman Syndrome). The book is entitled "Ora è tutto più chiaro!" and can be found at:
<https://emedea.it/medea/it/istituto-it/editoria-e-pubblicazioni/21-istituto/editoria-e-pubblicazioni/416-ora-e-tutto-piu-chiaro>

10/2019 – 03/2020
Oxford,
United Kingdom

Master intern

University of Oxford, Attention, Brain and Cognitive Development Lab

Courses and Seminars I have attended:

- graduate training course on using MATLAB

- training sessions on EEG, which covered both theoretical and practical aspects
- weekly seminars on a range of different topics

My master project involved the study of motion evoked potentials in autistic and dyslexic children. Part of my activities involved the following:

- training on experimental methods, including collecting behavioural and electrophysiological (EEG) data from children under the supervision of prof. Gaia Scerif and dr. Catherine Manning
- developing the research questions for my master project and prepared the related pre-registration document (<https://osf.io/7zmhc>)
- extensive literature review regarding motion processing and visual evoked potentials in dyslexia
- data collection from approximately 70 children including autistic children, dyslexic children and typically developing children.
- scoring of psychometric assessments (e.g., Wechsler Individual Achievement Test, Test of Word Reading Efficiency) and was responsible for data input on Excel
- MATLAB scripts to analyse the results of psychological tasks
- oral presentation of the results of my project at a departmental presentation
- drafting background chapters of my master thesis

06/2019 – 09/2019
Cuxhaven, Germany

Master Intern

Autismus-Therapiezentrum Cuxhaven / Autismus Bremen e.V.

Autism therapy:

- attended and took part to autism therapy sessions
- trained the Treatment and Education of Autistic and Related Communication Handicapped Children (TEACCH) and the Picture Exchange Communication System (PECS) programmes
- prepared individualized therapy materials for each child

Feeding project:

- developed an individualized project based on behavioural techniques to help an autistic child with severe autism. The child refused almost every food and this was impacting negatively on his growth and weight. The aim of my project was to help him gradually introduce new foods in his diet.

Team Management:

- took part to weekly meetings with psychologists and educators
- substituted the pen and paper register with a digital register of all the patients' contacts
- prepared a text on my experience at this therapy centre for their online Newsletter

09/2017 – 01/2018
Gent, Belgium

Bachelor Intern

Ghent University / Research in Developmental Disorders Lab

The Baby study – longitudinal study on early markers of autism in toddlers:

- attended behavioural data collection with the Autism Diagnostic Observation Schedule (ADOS) and Bayley Scales of Infant Development
- trained how to score the ADOS
- responsible for data input and organization on Excel
- expanded my knowledge on autism through an extensive literature review
- developed my own transactional research hypothesis for my bachelor project
- analysed the data on SPSS

Clinical practice:

- assisted a clinical psychologist during an observation at a school for children with special needs
- followed clinical assessments at Ghent University Hospital

PUBLICATIONS

- 2024 **Toffoli, L.1, Zdorovtsova, N., Epihova, G., Duma, G. M., Del Popolo Cristaldi, F., Pastore, M., ... & Mento, G. (under review). Dynamic transient brain states in preschoolers mirror parental report of behavior and emotion regulation.** [↗](#)
Human Brain Mapping (under review)
- 2024 **Toffoli, L.1, Stefanelli, G.1, Manca, G., Del Popolo Cristaldi, F., Duma, G.M., Guidi, M., Incagli, F., Sbernini, L., Tarantino, V. & Mento, G. (under review). Adaptive Cognitive Control in 4 to 7-Year-Old Children and Potential Effects of School-Based Yoga-Mindfulness Interventions: An Exploratory Study in Italy** [↗](#)
Frontiers in Psychology (under review)
- 2024 **Borghì, A.1, Toffoli, L.1, Duma, G.M., Danieli, A., Randazzo, G., Nappi, S., Da Rold, M., Tessarotto, F., Baggio, M. & Bonanni, P. (under review). Developmental profile in Angelman syndrome and its relationship with genotype, epilepsy, treatments and sleep.** [↗](#)
Journal of neurodevelopmental disorders (under review)
- 2024 **Toffoli, L.1, Calderan, M.1, Del Popolo Cristaldi, F., Duma, G.M., Calcagni, A., Pastore, M., Tarantino, V., & Mento., G. (under review). Can I afford one more candy? How motivational contexts influence adaptive cognitive control in children.** [↗](#)
Developmental Psychology (under review)

- 2023 **Del Popolo Cristaldi, F.1, Toffoli, L.1, Duma, G. M., Mento, G. (2023). Little fast, little slow, should I stay or should I go? Adapting cognitive control to local-global temporal prediction across typical development.** [↗](#)
Plos one
- 2023 **Mento, G., & Toffoli, L. (2023). Chi controlla i controllori? Una rivisitazione del concetto di «top-down» nelle funzioni esecutive e relative implicazioni per lo sviluppo cognitivo tipico e atipico.** [↗](#)
Psicologia clinica dello sviluppo
- 2023 **Toffoli, L.1, & Mento, G. (2023). Dal «cosa» al «come»: l'apprendimento e il contesto come fattori fondamentali nella regolazione del controllo inibitorio.** [↗](#)
Giornale italiano di psicologia
- 2022 **Mento, G., Toffoli, L., Della Longa, L., Farroni, T., Del Popolo Cristaldi, F., & Duma, G. M. (2022). Adaptive Cognitive Control in Prematurely Born Children: An HD-EEG Investigation.** [↗](#)
Brain Sciences
- 2022 **Baggio, M.1, Toffoli, L.1, Da Rold, M., Duma, G. M., Mento, G., Morao, V., ... & Bonanni, P. (2022). Neuropsychological and behavioral profiles of self-limited epileptic syndromes of childhood: a cross-syndrome comparison.** [↗](#)
Child Neuropsychology
- 2021 **Toffoli, L.1, Scerif, G., Snowling, M. J., Norcia, A. M., & Manning, C. (2021). Global motion evoked potentials in autistic and dyslexic children: a cross-syndrome approach.** [↗](#)
Cortex
- 2021 **Duma, G. M., Danieli, A., Morao, V., Da Rold, M., Baggio, M., Toffoli, L., ... & Mento, G. (2021). Implicit cognitive flexibility in self-limited focal epilepsy of childhood: An HD-EEG study.** [↗](#)
Epilepsy & Behavior

MANUSCRIPTS

- 2021 **Toffoli, L.1, Mento, G., Vio, C. (2021). Controllo cognitivo nel disturbo da deficit di attenzione e iperattività: una prospettiva "bottom-up".**
Padova, Italy *"Cognitive control in ADHD: a "bottom up" perspective", Il level master thesis*
- 2020 **Toffoli, L.1, Manning, C., Mento, G., Scerif, G. (2020). Coherent motion evoked potentials in autistic children and dyslexic children: a cross-syndrome comparison.**
Padova - Oxford *I level master thesis*

2018
Padova - Gent

Toffoli, L.1, Roeyers, H., Demurie, E., Mammarella, I.C. (2018). Risk and protective factors for the development of Autism Spectrum Disorder (ASD) in younger siblings of children with ASD: the impact of the interaction with family members.
Bachelor thesis

CONFERENCE PRESENTATIONS

07/2024
Leuven, Belgium

International Mind, Brain and Education Society (IMBES)
"I'm talking to you! Interactive digital content effects on children's adaptive cognitive control" (poster)

03/2024
Bologna, Italy

Giornate di aggiornamento sull'uso degli strumenti in Psicologia Clinica dello Sviluppo
"Adattamento del controllo cognitivo alle caratteristiche di predicibilità del contesto: come funziona nell'ADHD?" (video poster)

11/2023
Siena, Italy

Società Italiana di Psicofisiologia (SIPF)
"Can at rest brain states dynamics predict preschoolers' neuropsychological profile and cognitive performance? An HD-EEG investigation using Hidden Markov Models" (poster)

02/2024
Brixen, Italy

Cognitive Science Arena
"I'm talking to you! Interactive digital content effects on children's adaptive cognitive control" (oral presentation)

09/2023
Lucca, Italy

Associazione Italiana Psicologia (AIP)
"Controllo cognitivo adattivo nell'ADHD: verso un approccio transdiagnostico" (oral presentation) as part of the junior symposium "Controllo adattivo: un concetto, molte espressioni. Favorire il dialogo tra studi sul controllo adattivo per evitarne la frammentazione", proponent Dr. Giacomo Spinelli

06/2023
Padova, Italy

GRIFE (Gruppo di Ricerca sulle Funzioni Esecutive) conference: "Le funzioni esecutive nei disturbi del neurosviluppo: dalla ricerca alle applicazioni cliniche"
"Controllo cognitivo adattivo: implicazioni per lo sviluppo tipico e atipico" (oral presentation)

02/2023
Brixen, Italy

Cognitive Science Arena
"Can I afford one more candy? How motivational contexts shape Adaptive Cognitive Control in children" (oral presentation)

09/2022
Padova, Italy

Associazione Italiana Psicologia (AIP)
"To risk it or not: how the global predictive context shapes children's anticipation of riskiness in a decision-making task" (oral presentation) as part of the symposium "Anticipatory mechanisms for adapting behavior: a multi-domain perspective", proponent Prof. Giovanni Mento

2022
Online Conference,
Bologna, Italy

Giornate di aggiornamento sull'uso degli strumenti in Psicologia Clinica dello Sviluppo
"Flexibility of implicit cognitive control in typical and atypical development: a comparison between autism, ADHD and dyslexia" (video poster)

AWARDS

02/2024

Cognitive Science Arena - 1° place Valiant Award
University of Padova & University of Bolzano
Prize awarded for the best talk at the Cognitive Science Arena conference.
200 €

02/2023

Cognitive Science Arena - 2° place Valiant Award
University of Padova & University of Bolzano
Prize awarded for the second best talk at the Cognitive Science Arena conference.

2022

Scholarship
University of Padova
Awarded as the best master student of the II-level Master course in Developmental Disorders and Psychopathologies.
1400 €

2020

Scholarship "Mille e una Lode"
University of Padova
Awarded to the top 1000 most deserving students of the academic year.
1000 €

2019

Scholarship "Mille e una Lode"
University of Padova
Awarded to the top 1000 most deserving students of the academic year.
1000 €

2018

Scholarship "Mille e una Lode"
University of Padova
Awarded to the top 1000 most deserving students of the academic year.
1000 €

2017

Scholarship "Mille e una Lode"
University of Padova
Awarded to the top 1000 most deserving students of the academic year.
1000 €

LANGUAGES

Italian

Native / full working proficiency (C2, 4/4+)

English

IELTS - Highly proficient in speaking and writing (B2-C1, 2/2+/3/3+)

German

Highly proficient in speaking and writing (B2-C1, 2/2+/3/3+)

SKILLS

R	● ● ● ● ●	128-electrode Hydrocel Geodesic Sensor Net to collect EEG data	● ● ● ● ●
MATLAB	● ● ● ● ●	Eeglab	● ● ● ● ●
Brainstorm	● ● ● ● ●	OpenOffice	● ● ● ● ●
SPSS	● ● ● ● ●		

TEACHING AND CHILD RELATED EXPERIENCE

03/2020 – present

Co-owner of “Rete Libera Tutti” website

During the first lockdown for Covid-19 pandemic (March 2020), I collaborated with a primary school teacher in the realization of an online website (i.e., “Rete Libera Tutti” website); here, we regularly uploaded recreational activities that parents could easily do at home to entertain their children. Moreover, we offer free online support to children with their homework.

For further information, please visit <https://rete-libera-tutti.webnode.it/>

2018

Vittorio Veneto, Italy

Volunteer

Casa “Mater Dei”

I volunteered in this Italian association caring about mothers and their children, who come from difficult experiences like abuse, abandon, and refugee families.

2016 – 2017

Padova, Italy

Volunteer

Santa Rita’s Church in Padova

I volunteered as a teacher to help foreign children and teenagers, with behavioural and learning difficulties, doing their homework in the afternoon

2012 – 2015

Conegliano, Italy

Teacher assistant

Collegio Immacolata

I volunteered as a teacher to help primary school children doing their homework in the afternoon.