

● WORK EXPERIENCE

POST DOCTORAL RESEARCHER (PSIC-01/B) – 1 APR 2024 – CURRENT
CENTER FOR MIND/BRAIN SCIENCES, UNIVERSITY OF TRENTO – TRENTO, ITALY

Research project title: "The neurocognitive mechanisms of distractor filtering"

- Managed cognitive neuroscience research to investigate distraction filtering and attentional capture mechanisms, including at early-to-mid levels of the visual cortical hierarchy, by combining different behavioral (e.g., onset and singleton paradigms, object-based attention, dual tasks, working memory tests) and psychophysics approaches (e.g., threshold-estimation, d' , and criterion estimation).
- Developed and maintained 200+ custom online behavioral experiments on attention, memory and learning, statistical learning, working memory load, and semantic processing through response times analysis, leveraging Python to build customized programs to collect data (PsychoPy, psychoJs, Gorilla builder).
- Strong data-analysis skills, from database pre-processing and data cleaning, to multivariate analysis (ANOVAs, regressions, mixed-effects models, cluster analysis etc.) using R programming.
- Coordinated cross-functional research teams, usually of 3-5 people with different backgrounds from neuroscience to cell biology, facilitating discussions with team members on research objectives and priorities to align research phases.
- Used MS Office (Word, Power Point and Excel) to create presentations and structure data insight to build effective reports for organizational stakeholders, forming the basis and advocating for further training needs.
- Managed ethical approval for human experimentation and experiments compliance to main ethical and results reporting guidelines.
- Supervisor: prof. Massimo Turatto

POST DOCTORAL RESEARCHER (PSIC-01/B) – 1 JUN 2023 – 31 MAR 2024
DEPARTMENT OF LIFE SCIENCES, UNIVERSITY OF TRIESTE – TRIESTE, ITALY

Research project title: "Participated knowledge of environmental stressor impact on animal cognition"

- Managed cognitive neuroscience research projects on animals' learning and brain plasticity and the impact of environmental stressors on animals' cognition using various behavioral and psychobiology methods (e.g., conditioning, place-preference conditioning, spontaneous preference test, habituation and sensitization tests, reward sensitivity in the context of addiction, early gene expression analysis via electrophoresis and PCR).
- Worked on the validation of new animal models to study early predisposition to drug abuse, by profiling sign- and goal-tracking behaviors in domestic chicks (*Gallus gallus*)
- Managed Animals Facility protocols, including ethical approval of animal experimentation from the Italian Health Ministry.
- Leveraged R programming and Python to create custom-made experimental setups, closed-loop to automatize data collection from animals' responses.
- Autonomously created detailed reports and presentations for institutional stakeholders, showcasing research effectiveness, and providing guidance and insights for the development of new content development.
- Supervisor: prof.ssa Cinzia Chiandetti

POST DOCTORAL RESEARCHER (PSIC-01/A) – 1 APR 2022 – 31 MAR 2023
CENTER FOR MIND/BRAIN SCIENCES, UNIVERSITY OF TRENTO – TRENTO, ITALY

Research project title: "Fostering the understanding of diagnostic test results through Cognitive-Artificial Intelligence"

- Led a research project on AI-assisted tools to identify decision-making bias and improve individuals understanding of diagnostic test results including statistical reasoning, false positive/negative values, and positive predictive values of swab test results.
- Collected quantitative data by means of questionnaires and surveys that reached over 1000 individuals to assess comprehension of diagnostic tests on a broader scale and evaluate the effectiveness of our new format solution (using R programming and Python).
- Autonomously created detailed reports and presentations for institutional stakeholders, showcasing research effectiveness, and providing guidance and insights for the development of new content development.
- Collaborated with developers to prototype an interactive educational interface for a website, designed to clarify complex concepts such as prevalence, specificity, sensitivity, and positive predictive value, ultimately improving users' understanding.
- Supervisor: prof.ssa Katya Tentori

POST DOCTORAL RESEARCHER (PSIC-01/B) – 1 MAR 2021 – 31 MAR 2022
DEPARTMENT OF LIFE SCIENCES, UNIVERSITY OF TRIESTE – TRIESTE, ITALY

Research project title: "Modeling attentional capture in comparison task: space, magnitude and compatibility"

- Led quantitative cognitive neuroscience research employing eye-tracking technology to analyze individuals' visual scanning behavior during two-alternatives forced choice attentional tasks (e.g., fixations, dwell-times, and saccades).
- Used Eye-tracking and behavioral experiments to uncover how attention deployed for emotional stimuli and faces in attentional capture paradigms by analyzing RTs.
- Investigated human illusions perception at the higher-level cortical level by means of behavioural adjustment task and psychophysics.
- Used R and Python programming to analyze oculomotor metrics, such as fixation duration and saccade patterns, to provide in-depth understanding of user attention distribution, driving actionable recommendations for interface optimization.
- Supervisor: prof. Carlo Fantoni

● TEACHING AND DIDACTICS

ADJUNCT PROFESSOR

2025

Professor of Translational Methods for Behavioural Sciences (PSIC01/B)

28 hours

Master's Degree in Neuroscience

University of Trieste - Department of Life Sciences

ADJUNCT PROFESSOR

2023

Professor of Animal Psychology(PSIC01/B)

24 hours – both in presence and e-learning

Master's Degree in Psychology

University of Trieste - Department of Life Sciences

LECTURER – Seminar titled “Elements of Life-Span Psychology and Disabilities” (5 hours)

2023

8 hours - Both in presence and e-learning

In-depth seminar for students of the Master's Program in Visual Disabilities and Typhology

University of Trieste – Department of Life Sciences

DIDACTIC TUTOR for the course Scientific Communication Methodology (50 hours)

2020

Practical sessions on online data collection for visual perception experiments using Microsoft Visual Basic for Applications (VBA)
University of Trieste – Department of Life Sciences

DIDACTIC TUTOR for the course Psychometrics (300 hours)

2018 – 2020

In-class exercises on ANOVA and linear mixed-effects models
University of Trieste – Department of Life Sciences

● EDUCATION AND TRAINING

PH.D. IN NEURAL AND COGNITIVE SCIENCES Department of Life Sciences, University of Trieste

10 oct 2017 – 21 aug 2021 Trieste, Italy

Final grade: Cum Laude

Level: Eqf level 8

Thesis The impact of brain development, context, and entropy on animals habituation

SSD: PSIC-01/B

Supervisor: prof.ssa Cinzia Chiandetti

VISITING PHD STUDENT Queen Mary University of London

31 jul 2019 – 31 dec 2019 London, United Kingdom

Research visiting period for a research project to investigate learning processes (conditioning and habituation) in animal models

MASTER'S DEGREE IN PSYCHOLOGY Department of Life Sciences, University of Trieste

1 sep 2015 – 21 jul 2017 Trieste, Italy

Final grade: Cum Laude

Level: eqf level 8

BACHELOR'S DEGREE IN PSYCHOLOGY Department of Life Sciences, University of Trieste

1 sep 2012 – 21 jul 2015 Trieste, Italy

Final grade: Cum Laude

Level: eqf level 8

MASTER

"Adolescenti in crisi. La presa in carico dell'adolescente in una prospettiva evolutiva." / "Adolescents in crisis: supporting adolescents from a developmental perspective"

2015 – 2017 Milano, Italy

Fondazione Minotauro

● PROFESSIONAL LICENSE

2018

Psicologo (N. 2213) - Albo A, Friuli Venezia Giulia

● BOARDS

Since 2023

Part of the ethical board for animal experimentation for "Fondazione Museo Civico Rovereto"

● HONOURS AND AWARDS

2024

Gorilla & Prolific Award for online behavioral research innovation (2023) – Prolific
1000\$ awarded for the development of a training program to reduce distractibility of drivers

2021

Best post-doc researcher of the Department of Life Sciences – University of Trieste
300€ awarded for my research

2018

Best Student Presentation Award – Alps-Adria Psychology Conference
Best student oral presentation of the research results

2018

Culture della materia in "Neuroscienze Cognitive" – University of Trieste

● LANGUAGE AND DIGITAL CERTIFICATES

IELTS (Academic): English C1 level
Cambridge Language Certificate

ECDL Full Standard: Certificato di conoscenza degli applicativi Microsoft
AICA – CINECA

● PUBLICATIONS

1. Dissegna, A., Chelazzi, L., & Turatto, M. (2025). Ignoring distractors takes its (memory) toll. *Under review*.
2. Dissegna, A., Caramazza, A., Chiandetti, C., & Turatto, M. (2025). Distractor frequency effect on object-based capture. *Under review*.
3. Dissegna, A., Chittka, L., & Chiandetti, C. (2025). Response-specific behavioral plasticity in habituation triggered by repeated visual looming stimuli in foraging bumblebees (*Bombus terrestris*). *Under review*.
4. Dissegna, A., Betteto, L., De Tommaso, M., & Turatto, M. (2025). The dual impact of irrelevant visual onsets: habituation of capture unlocks onset facilitation. Attention, perception, and psychophysics. *Accepted*.
5. Dissegna, A., & Chiandetti, C. (2025). Artificial light at night alters risk-related behaviors of the ground-dwelling isopod *Porcellionides pruinosus*. *Journal of Experimental Biology*, 228(3), JEB249626.
6. Torreggiani, G., Manfrin, C., Giglio, A., Dissegna, A., Chiandetti, C., Giotta, P., ... & Giulianini, P. G. (2024). The effect of tyre and road wear particles on the terrestrial isopod *Armadillidium pallasii*. *Biomolecules*, 14(12), 1640.
7. Maldarelli, G., Dissegna, A., Ravignani, A., & Chiandetti, C. (2024). Chicks produce consonant, sometimes jazzy, sounds. *Biology Letters*, 20(9), 20240374.
8. Dissegna, A., Turatto, M., & Chiandetti, C. (2024). Goal-directed behavior in *Tenebrio molitor* larvae. *Scientific Reports*, 14(1), 21706.
9. Dissegna, A., Borrelli, L., Ponte, G., Chiandetti, C., & Fiorito, G. (2023). *Octopus vulgaris* exhibits interindividual differences in behavioural and problem-solving performance. *Biology*, 12(12), 1487.

10. Chiandetti, C., Dissegna, A., Rogers, L. J., & Turatto, M. (2023). Unlocking the symmetric transfer of irrelevant information: gene–environment interplay and enhanced interhemispheric cross-talk. *Biology Letters*, 19(10), 20230267.
11. Dissegna, A., Gerbino, W., & Fantoni, C. (2023). Amodal completion of coincidentally occluded angles: a matter of visual approximation. *Frontiers in Cognition*, 2, 1216459.
12. Dissegna, A., Baldassi, G., Murgia, M., Costa, F. D., & Fantoni, C. (2023). The temporal dynamics of emotion comparison depends on low-level attentional factors. *Scientific Reports*, 13(1), 7324.
13. Devescovi, R., Bresciani, G., Colonna, V., Carrozzi, M., Dissegna, A., ... & Colombi, C. (2023). Short-term outcomes of an ESDM intervention in Italian children with Autism Spectrum Disorder following the COVID-19 lockdown. *Children*, 10(4), 691.
14. Baldassi, G., Murgia, M., Prpic, V., Rigutti, S., Domijan, D., Agostini, T., ... & Fantoni, C. (2023). Attentional capture in emotion comparison is orientation independent. *Psychological Research*, 87(2), 636-653.
15. Bresciani, G., Da Lozzo, P., Lega, S., Dissegna, A., ... & Devescovi, R. (2023). Gastrointestinal disorders and food selectivity: Relationship with sleep and challenging behavior in children with autism spectrum disorder. *Children*, 10(2), 253.
16. Turatto, M., Dissegna, A., De Tommaso, M., & Chiandetti, C. (2023). L'abituazione, un fenomeno mentale sottovalutato: teoria, implicazioni e applicazioni. *Giornale italiano di psicologia*, 50(3), 559-590.
17. Dissegna, A., Grassi, M., & Chiandetti, C. (2022). Individual differences in habituation: Innate covariation between habituation, exploration, and body size in naïve chicks (*Gallus gallus*). *Behavioural Processes*, 200, 104705.
18. Devescovi, R., Colonna, V., Dissegna, A., ... Colombi, C. (2021). Feasibility and outcomes of the early start Denver model delivered within the public health system of the Friuli Venezia Giulia Italian region. *Brain sciences*, 11(9), 1191.
19. Dissegna, A., Turatto, M., & Chiandetti, C. (2021). Context-specific habituation: A review. *Animals*, 11(6), 1767.
20. Dissegna, A., Caputi, A., & Chiandetti, C. (2020). Long-lasting generalization triggered by a single trial event in the invasive crayfish *Procambarus clarkii*. *Journal of Experimental Biology*, 223(22), jeb227827.
21. Turatto, M., Dissegna, A., & Chiandetti, C. (2019). Context learning before birth: evidence from the chick embryo. *Biology letters*, 15(7), 20190104.
22. Dissegna, A., Turatto, M., & Chiandetti, C. (2018). Short-term memory in habituation and dishabituation of newborn chicks' freezing response. *Journal of Experimental Psychology: Animal Learning and Cognition*, 44(4), 441.
23. Chiandetti, C., Dissegna, A., & Turatto, M. (2018). Rapid plasticity attenuation soon after birth revealed by habituation in newborn chicks. *Developmental Psychobiology*, 60(4), 440-448.

- **BOOK CHAPTERS**

Gerbino, W., Bernardis, P., Dissegna, A., Fantoni, C. (2022). Sulle configurazioni bistabili occlusione- trasparenza di Kanizsa. In G. Bartorelli, A. Bobbio, G. Galfano, M. Grassi. (Eds.). *L'occhio in gioco: Il Gruppo N e la psicologia della percezione* (pp 39-57). Padova, Italy: SilvanaEditoriale.

- **PUBLISHED ABSTRACTS**

Dissegna, A., Baldassi, G., Fantoni, C. (2021). Unveiling the temporal dynamics of emotional attentional capture with eye movements: from an automatic to a perceptual component. PERCEPTION, vol. 50, p. 23

Dissegna, A., Turatto, M., Chiandetti, C. (2019). Avian Hatching as a Strategy to Test Context-Specific Habituation. PERCEPTION, vol. 48, p. 89, ISSN: 0301-0066

Chiandetti, C., Dissegna, A., Nakajima, R., Fiorito, G. (2019). Subverting the Naive (mis)Perception of Animal Intelligence: From the Scala Naturae to the Darwinian Tree Via a Simple Survey. PERCEPTION, vol. 48, p. 24, ISSN: 0301-0066

- **PUBLISHED PROCEEDINGS**

Dissegna, A., Turatto, M., & Chiandetti, C. (2018). Short-term memory mechanisms of habituation in the domestic chick (*Gallus gallus*). In: (a cura di): Anja Podlesek, 13th Alps-Adria Psychology Conference: Book of abstracts. PSIHOLOSKA OBZORJA, vol. 27/2018, p. 96, Društvo psihologov Slovenije, ISSN: 1318-1874, Lubiana, 27-29 Settembre 2018

Dissegna, A., Turatto, M., & Chiandetti, C. (2016). Context matters: Domestic chicks' short- and long- term habituation of freezing to a sudden acoustic stimulus. In: TSPC2016 EUT Proceedings of the Trieste Symposium on Perception and Cognition. p. 1-2, EUT, Trieste, 4 Novembre 2016

- **OTHER CONFERENCES (LAST 3 YEARS)**

Statistical learning attenuates object-based distraction. Poster presented @ CAOs25 - Workshop on CONCEPTS, ACTIONS, and OBJECTS Functional and Neural Perspectives Jun 2025, Trento

Intentional behaviour in *Tenebrio molitor* larvae. Poster presented @ Minimal Cognition: Brained or Brainless Biological Intelligence Jun 2024, Erice, Centro Majorana

Goal-directed behavior in *Tenebrio molitor* larvae. Poster presente @ CogEvo: Workshop on Cognition and Evolution Jul 2024, Trento

Habituation is more than learning the perceptual attributes. Talk @ Trieste Symposium on Cognition and Perception. Oct 2023, Trieste

BIBLIOMETRIC INDEXES

	<i>h-index</i>	<i>n. citazioni</i>
<i>Google scholar</i>	6	134
<i>Scopus</i>	6	104
<i>Web of Science</i>	5	81

Autorizzo il trattamento dei dati personali nelle modalità previste dal Regolamento UE 2016/679