

Ghilardi Tommaso

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Work experience

09/2015 - Present Intern at [Affiliative Behavior and Physiology Lab](#)

06 - 08/07/2017 Assistant in the organization of [13th International Infant Cry Workshop\(IICW\)](#)

- Assistant in the coordination of events of the workshop.
- Assistant in the coordination of participants

03/2017 - 06/2017 Lesson organizer of "Developmental Clinical Neuroscience."

Assistent in the organization of the schedule and preparation of the slides for the master class "Developmental Clinical Neuroscience" under the supervision of Professor Gianluca Esposito. Goal of the class was to provide an introduction to the Social and Affective Neuroscience and increase students multidisciplinary knowledge of physiological mechanism underlying social interaction.

- Lecture given: "Measuring Physiological Parameters"

10/2016 - 04/2017 Thesis Research during Erasmus+ Japan

Thesis research projects conducted during a five months internship to the Department of Neurobiology and Behavior of Nagasaki University, Japan.

The influence of ethnicity in the recognition ability of emotional faces. Research project that aimed to investigate how the ability to recognize emotional faces with graded emotional intensities could be affected by the ethnicity of the stimulus. Study conducted analyzing 64 channel EEG, ECG and behavioural data.

Additional experiences:

- DNA extraction using QIAamp DNA Mini kit
- Analysis of different genotypes for Oxytocin (rs53576, rs2254298)
- Testosterone levels of DNA samples analysis

03/2016 - 06/2016 Lesson organizer of "Social and Affective Neuroscience (SAN).

Assistent in the organization of the schedule and preparation of the slides for the master class "Social and Affective Neuroscience" under the supervision of Professor Gianluca Esposito. The goal of the class was to: provide an introduction to the Social and Affective Neuroscience, increase students multidisciplinary knowledge of physiological mechanism underlying social interaction and improve students skills regarding human physiology research.

- Lecture given: "Processing Infant Direct Speech"

Education

- 2016 - 2018 **Master Degree in "Psychology, Neuroscience"** [Summa Cum Laude]
- 2013 - 2016 **Bachelor Degree in "Science and Techniques of Cognitive Psychology"** [103/110]

Award

16 /05/2018 Merit Award, 2017 edition

Since 2010-11, the University of Trento annually awards a prize to those students who have achieved remarkable results at the end of their Degree. Merit Award related to the Bachelor Degree achieved between 2013 and 2016.

Languages

Italian = Native speaker **English** = Advanced user certified by Cambridge English: Preliminary(PET)

Software

Python

- Creation of experimental protocols
- Extrapolation of data and indexes from different typologies of signals
- Handling and managing of databases
- Use of scientific and data analysis packages
- Data analysis of :
 - Behavioural data
 - Physiological data (ECG, GSR, EMG, Temperature)
 - Electrophysiology (EEG)

R

- Handling and managing of databases
- Data analysis of behavioural and physiological data

Latex

- Editing of Scientific documents
- Use of journalistic layouts

Research Output

[ORCID](#)

Publications

Bonassi, A.*, **Ghilardi, T***. et a Esposito, G. (2017).Dataset on genetic and physiological adults responses to social distress. Data in Brief. doi:10.1016/j.dib.2017.06.057 (*equal contribution)

Conference posters

Truzzi A., **Ghilardi T.**, Bonassi A., Cataldo I., Shinohara K., Bornstein M.H., Esposito G. (2016). Genetic factors and adults' expectations towards relationships interact in affecting physiological responses to social distress. Rovereto Workshop on Cognition and Evolution (CogEvo), 2017,Rovereto, Italy

Ghilardi T., Bonassi A., Gabrieli G. , Doi H., Shinohara K., Esposito G. (2018). The influence of ethnicity in the recognition ability of emotional faces and voices. Cognitive Science Arena (CSA), February 23-24 2018, Brixen, Italy

Acknowledgements (Research Assistant for the following studies)

Esposito, G., Hiroi, N., & Scattoni, M. L. (2017). Cry, Baby, Cry: Expression of Distress As a Biomarker and Modulator in Autism Spectrum Disorder. International Journal of Neuropsychopharmacology, 20(6), 498-503. doi:10.1093/ijnp/pyx014

Bornstein, M., Costlow, K., Truzzi, A., & Esposito, G. (2016). Categorizing the cries of infants with ASD versus typically developing infants: A study of adult accuracy and reaction time. Research in Autism Spectrum Disorders, 31, 66-72. doi:10.1016/j.rasd.2016.08.001

Conference and seminar attendance

[13th International Infant Cry Workshop\(IICW\) - June 2017](#)

[Ten Years of Mind/Brain Sciences at the University of Trento - October 2017](#)

[Concepts, Actions and Objects \(CAOS\) - May 2017](#)

[La mente giovane dell'anziano: riserve cognitive e tecnologie - December 2015](#)

References

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