

ISABELLA MARIANI WIGLEY

PhD student - University of Padua

I am a PhD student in Psychological Sciences at the University of Padua, supervised by Prof. Sabrina Bonichini. My reasearch interests regard developmental neuroscience. I am particularly interested in epigenetics and neural correlates of human behavior.

EDUCATION

- 2019

Ongoing
- University of Padua

PhD in Psychological Sciences
Department of Developmental Psychology and Socialization

Padua, Italy

Supervisor: Sabrina Bonichini Co-Supervisor: Simone Cutini
- 2018
- University of Padua

M.S. in Neuroscience and Neuropsychological Rehabilitation
110 cum laude

Padua, Italy

Thesis: EMDR integration of non-pharmacological techniques for anxiety and trauma prevention in pediatric sedo-analgesia.
- 2015
- University of Padua

B.S. in Cognitive Psychological and Psycho-biological Sciences

Padua, Italy

Thesis: Music and Emotion: neuropsychological studies.

RESEARCH EXPERIENCE

- 2018

2019
- Post-Graduate Internship

Obstetrics and Gynecology Department, University Clinic of Padua

Padua, Italy

Research projects about brain development in term, pre-term or otherwise injured infants. In particular focused on:
- quantitative EEG and neuropsychological development in children born preterm
- neuropsychological evaluation of paediatric patients subjected to cardiac surgery or with hypoxic-ischemia encephalopathy during the neonatal age.



CONTACT INFO

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SKILLS

Experienced in mother-infant interaction coding system.

Skilled in R, SPSS and Matlab.

*This resume was made with the R package **pagedown**.*

Last updated on 2020-10-29.

- 2016

2017
- Pre-Graduate Internship

Pain and Paediatrics Palliative Care Service at the Department of Women's and Children, University Clinic of Padua

Padua, Italy

Research projects about:
-pain measurement evidence-based methods
-pharmacological and non-pharmacological pain management
-short and long term consequences of an unrelieved and untreated pain in childhood

TEACHING EXPERIENCE

- 2018

2020
- Master Degree Lecture

Developmental Psychology and Education course

Padua, Italy

-Two hours lecture about Epigenetics: the DNA memory during the course: Pediatric Pain Assessment heled by Prof. Sabrina Bonichini

-Two hours lecture about Non-pharmacological techniques during the course: Child health Psychology heled by Prof. Sabrina Bonichini

EDUCATIONAL EXPERIENCE

- 2020
- Study of direct effects, mediation and moderation in multiple regression models and calculation of statistical power.

Summer school

Chieti, Italy
- 2018
- Advanced training course in Neuropsychological, Perinatal and Pre-term Care.

-Preterm behavioral epigenetics, Neuro and cognitive development in preterm infants.
-Post-partum depression, Perinatal mourning and care.

Milan, Italy

PUBLICATIONS

- 2020
- Neonatal spectral EEG is prognostic of cognitive abilities at school age in premature infants without overt brain damage.

European Journal of Pediatrics
<https://doi.org/10.1007/s00431-020-03818-x>
Cainelli, E., Vedovelli, L., **Wigley, I.L.C.M.**, Bisiacchi, P.S., Suppiej, A.
- 2019
- EMDR and non-pharmacological techniques for anxiety prevention in children prior to invasive medical procedures: a randomized controlled trial.

Journal of EMDR Practice and Research
<https://doi.org/10.1891/1933-3196.13.3.163>
Mariani Wigley, I.L.C., De Tommasi, V., Bonichini, S., Fernandez, I., Benini, F

CONFERENCES AND MEETINGS

- 2020
- Negative emotionality during stress reactivity and recovery in 4.5-years-old preterm and full-term children: the role of epigenetics mechanisms and parental stress.

Oral Presentation for ISPNE 2020- Psychoneuroendocrinology

Chicago, USA

Mascheroni, E., **Mariani Wigley, I.L.C.**, Provenzi, L., Sirgiovanni, I., Giorda, R., Bonichini, S., Morandi, F., Schiavolin, P., Mosca, F., Fumagalli, M., Montirosso, R.
- 2018
- The prognostic role of quantitative EEG on neuropsychological development in children born premature.

Poster for National Congress of the Italian Society of Pediatric Neurology

Bologna, Italy

Mariani Wigley, I.L.C., Cainelli, E., Vedovelli, Luca., Suppiej, A.
- 2018
- Neuro-evolutive outcomes in patients with neonatal hypoxic-ischemic encephalopathy treated with therapeutic hypothermia.

Poster for National Congress of the Italian Society of Pediatric Neurology

Bologna, Italy

Cainelli, E., Cendron, M., **Mariani Wigley, I.L.C.**, Suppiej, A.
- 2018
- EMDR integration of non-pharmacological techniques for anxiety and trauma prevention in paediatric sedo-analgesia.

Oral Presentation for Global Gathering Maruzza Congress on Paediatric Palliative Care

Rome, Italy

Mariani Wigley, I.L.C., I.L.C., De Tommasi, V., Bonichini, S., Benini, F