












Anthony Battaglia



Personal information

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-  [linkedin.com/in/Anthony-Battaglia-Molecular-Biologist](https://www.linkedin.com/in/Anthony-Battaglia-Molecular-Biologist)

Hobbies and interests

-  writing
-  physical activity
-  cinema

Autorizzazione al trattamento dei dati personali

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all' art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16;

Signature: 

Technical skills

Basic molecular biology techniques including: PCR; Real time PCR; Western blot

Basic cell biology techniques: Experience working in sterile condition under the laboratory hood with primary cell cultures (human fibroblasts, mesenchymal stem cells, lymphoblastoid cell lines), human biological samples (blood samples). DNA, mRNA and proteins extraction from cells. Establishment of primary murine neuronal culture

Experience in handling and perfusion of murine animal models. Intracerebral and intraperitoneal injections in mice. Dissection of brain tissue with the use of Vibratome and Cryostat.

Morphology studies: Immunohistochemistry techniques on semi-fresh, fixed and/or perfused tissues. Clearing protocol for brain tissue in combination with immunohistochemistry. Confocal and fluorescence microscopy images acquisition and analysis.

Functional studies: Electrophysiological techniques such as patch clamp on dissociated primary murine neuronal cultures. Calcium images and multi electrode micro arrays (MEAs)

ImageJ/Fiji images analysis software; Microsoft office Excel and Power point; ChromasPro and IGV for sequences and Exome data interrogation. clamp-fit for analysis of electrophysiological recordings

Instruction and formation

Scientific High school diploma **86/100** **2010 set - 2015 lug**
[Madre Maria Mazzarello, Turin](#)

Bachelor degree in Biotechnology **95/110** **2015 ott - 2019 lug**
[UniTO, Turin](#)
Thesis title "Animal models for the study of Autism Spectrum Disorder"
Supervisor: Dr Laura Lossi Department of Veterinary Science.

Master degree in Cellular and Molecular Biology **107/110** **2019 ott - 2022 apr**
[UniTO, Turin](#)
Thesis Title "Disentangling the complex genetic architecture of neurodevelopmental disorders: the importance of reanalysis of unsolved cases in search for X-linked determinants"
Supervisor Dr Alfredo Brusco Department of Medical Science

PhD in Neuroscience **2023 nov - oggi**
[University of Turin](#)

Professional and Practical Experiences

Curricular internship

2017 - 2018

Genetics and therapy of cancer, Turin

Principal Investigator: Dr Chiarle Roberto; Supervisors Dr Patrucco Enrico; Dr Ines Mota

Curricular Internship

2021 - 2022

Medical Genetics of rare diseases, Turin

Principal Investigator and Supervisor Dr Alfredo Brusco

Research scholarship 03B/2023/DNS

2023 mar - 2023 ott

"DEVELOPMENT TRAJECTORY OF THE SOMATOSENSORY CORTEX IN CDKL5-KO MICE: DO EXOSOMES PLAY A ROLE?"; Turin

Principal Investigator Dr Maurizio Giustetto

Phd in neuroscience

2023 nov - oggi

University of turin

Publications/Abstracts/Conferences

European Journal of Human Genetics

"SKEWED X-CHROMOSOME INACTIVATION IN UNSOLVED NEURODEVELOPMENTAL DISEASE CASES CAN GUIDE RE-EVALUATION FOR X-LINKED GENES"

DOI:10.21203/rs.3.rs-2179710/v1

Alfredo Brusco, Chiara Giovenino, Slavica Trajkova, Lisa Pavinato, Simona Cardaropoli, Verdiana Pullano, Elena Sukarova-Angelovska, Silvia Carestiato, Paola Salmin, Antonina Rinninella, Anthony Battaglia, Luca Bertoli, Antonio Fadda, Flavia Palermo, Diana Carli, Alessandro Mussa, Paola Dimartino, Alessandro Bruselles, Tawfiq froukh, Giorgia Mandrile, Barbara Pasini, Silvia De Rubeis, Joseph Buxbaum, Tommaso Pippucci, Marco Tartaglia, Marzia Rossato, Massimo Delledonne, Giovanni Battista Ferrero, and Enza Ferrero.

Languages

Italian



English

