

PERSONAL INFORMATION

Giuliana Messina

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WORK EXPERIENCE

Nov.2022	Istituto Neurologico Carlo Besta – Milan - Researcher - cat. D level Super	Milan, IT
May. 2019 – Oct. 2022	Istituto Neurologico Carlo Besta – Milan - Scholarship: Epileptic encephalopathies and generalised epilepsies of childhood. NGS analysis and functional characterisation of novel causative variants for diagnosis and personalised therapies	Milan, IT
Feb. 2019 – Apr.2019	ATeN Center c/o Dipartiment STEBICEF – University of study of Palermo - Voluntary post-graduation collaboration. Research on the model animal Zebrafish using molecular biology techniques.	Palermo,IT
May. 2017– May. 2018	Development and cellular biology - University of Pisa - 300 h. Research on the model animal Zebrafish using molecular biology techniques.	Pisa, IT
Mar. 2015 – May. 2015	Biologia dello sviluppo- Università degli studi di Siena - 300 h. Research on the model animal Drosophila using molecular biology techniques.	Siena, IT

EDUCATION AND TRAINING

Oct. 2022 – in progress	University of study of Milan - Specialization in Medical Genetics	Milan, IT
Gen. 2019	University of study of Palermo - Abilitation	Palermo, IT
Sept. 2015 – May. 2018	University of Pisa - Master degree in “Molecular and cellular biology”108/110 Teshis: “Functional characterisation of the dyrk1a gene in the Zebrafish nervous system”	Pisa, IT
Sept. 2011 – Jul. 2015	University of study of Siena - Bachelor degree in “Biological Sciences” 101/110 Teshis: “Biogenesis of centrioles in the apical region of the Drosophila melanogaster cell niche”	Siena, IT
Sept. 2006 – Jul. 2011	Liceo Classico Umberto I - Maturità 97/10	Palermo, IT

TECHNICAL SKILLS

Manipulation of eggs and embryos at more advanced stages of Zebrafish. Gene cloning in plasmid vectors. DNA extraction. DNA purification. Gel electrophoresis of nucleic acids. Preparation of antisense RNA probes. Generation of linear template DNA for in vitro transcription. Gel extraction and purification. Bacterial transformation. Microinjection of cap-RNA into Zebrafish embryos. Whole-mount and section in situ hybridisation. Whole-mount immunohistochemistry. PCR and Real Time PCR (qPCR) analysis. Sanger and NGS sequencing.