PERSONAL INFORMATION

Giuliana Messina

Fondazione IRCCS Istituto Neurologico Carlo Besta
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Sex: F | *Nationality:* Italian

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WORK EXPERIENCE

Nov.2022 — **Istituto Neurologico Carlo Besta – Milan** — **Milan, IT**
- Researcher - cat. D level Super

May. 2019 – Oct. 2022 — **Istituto Neurologico Carlo Besta – Milan** — **Milan, IT**
- Sholarship: Epileptic encephalopathies and generalised epilepsies of childhood. NGS analysis and functional characterisation of novel causative variants for diagnosis and personalised therapies

Feb. 2019 – Apr.2019 — **ATeN Center c/o Dipartiment STEBICEF – University of study of Palermo** — **Palermo,IT**
- Voluntary post-graduation collaboration.
  Research on the model animal Zebrafish using molecular biology techiniques.

May. 2017– May. 2018 — **Development and cellular biology - University of Pisa** — **Pisa, IT**
- 300 h. Research on the model animal Zebrafish using molecular biology techiniques.

Mar. 2015 – May. 2015 — **Biologia dello sviluppo- Università degli studi di Siena** — **Siena, IT**
- 300 h. Research on the model animal Drosophila using molecular biology techiniques.

EDUCATION AND TRAINING

Oct. 2022 – in progress — **University of study of Milan** — **Milan, IT**
- Specialization in Medical Genetics

Gen. 2019 — **University of study of Palermo** — **Palermo, IT**
- Abilitation

Sept. 2015 – May. 2018 — **University of Pisa** — **Pisa, IT**
- Master degree in “Molecular and cellular biology”108/110
  Teshis: “Functional characterisation of the dyrk1a gene in the Zebrafish nervous system”

Sept. 2011 – Jul. 2015 — **University of study of Siena** — **Siena, IT**
- Bachelor degree in “Biological Sciences”
  101/110
  Teshis: “Biogenesis of centrioles in the apical region of the Drosophila melanogaster cell niche”

Sept. 2006 – Jul. 2011 — **Liceo Classico Umberto I** — **Palermo, IT**
- Maturità 97/10

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.