PERSONAL INFORMATION   **Alessia Nasca**

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta
UO Medical Genetics and Neurogenetics
Address: via Temolo, 4, 20126 Milan, Italy

✉ e-mail address alessia.nasca@istituto-besta.it

Gender: F | *Nationality:* Italian

ORCID: https://orcid.org/0000-0002-0640-9929

WORK EXPERIENCE

2019 - present — Italian NHS Researcher

Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy

▪ Identification and characterization of new disease-genes/proteins associated with human mitochondrial disorders, by Next Generation Sequencing, and their characterization through in vitro biochemical and molecular approaches, their characterization in cellular models, including the evaluations of the effects of compounds supplementation in cell culture, and research potential biomarker and therapeutic approaches. Responsible for students and young researcher tutoring.

2015 - 2019 — Contract Researcher

Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy

▪ Identification and characterization of new disease-genes/proteins associated with human mitochondrial disorders their characterization in vitro with biochemical and molecular approaches, and their characterization in cellular models. Responsible for students and young researcher tutoring.

2013 - 2015 — Senior Research Fellowship

Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy

▪ Identification and characterization of nuclear genes responsable for human mitochondrial disorder.

2010 - 2013 — Junior Research Fellowship

Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy

▪ Molecular diagnosis and research on movement disorders and metabolic diseases

EDUCATION AND TRAINING

2020 - ongoing — School of Specialization in Medical Genetics

University of Milano La Statale

▪ Medical genetics, Advanced Molecular Diagnostics, Genetic Counselling,

2018 - 2019 — 2nd Level University Master Course in Preclinical and Clinical Drug Research and Development

University of Milano-Bicocca

▪ Clinical Research, Medical Department, Regulatory Affairs of Pharmaceutical Companies, Contract Research Organization (C.R.O.), Research Hospitals, IRCCS, Health Authorities (Region, AIFA).

2014 — Licensed to practice as a Biologist

University of Varese-Insubria

▪ Registration in the Professional National Order of Biologists (ONB)

2007 - 2009 — MSc Degree in Cellular and Molecular Biology

University of Catania

▪ Molecular Biology, Cell Biology, Applied Biology, Molecular Genetics

2004 - 2007	**BSc Degree in Biological Science**

University of Catania

▪ Biological sciences, molecular biology

ACHIEVEMENTS AND AWARD

Awards   2019 - "Best Presentation" in the Neurogenetics seminars – FINCB

Editorial activity   Reviewer for numerous indexed international scientific journals. Member of the review editor board for Neurogenomics: Frontiers in Neurosciences, Frontiers in Genetics

TECHNICAL SKILLS

Scientific skills: Standard and advanced genetic-molecular, biochemical, cellular and imaging methods. Generation and characterization of primary and differentiated cellular models of genetic diseases. Pharmacological and gene therapy experimental approaches on cellular models. Presentation of data in internal meetings and conferences. Editing and reviewer of scientific articles and projects.

Informatic skills: excellent skills in Windows, McOS, Office (Word, Excel, PowerPoint), Internet, Web systems. Good skills in bioinformatics and biostatistics software for analysis of biological data.

Launguage: Italian (mother tongue), English: Intermediate (written and spoken)

Management / organizational skills: good ability to organize and plan work and time, problems solving, excellent communication skills and team player. Coordination and tutoring of students / undergraduates and young fellows and researchers.

Main scientific interests: mitochondrial and neurodegenerative diseases; molecular genetics, medical genetics, genomics, transcriptomics, next generation sequencing, biochemistry, generation and characterization of cell models; translational medicine; preclinical and clinical research