

PERSONAL INFORMATION

Federica Invernizzi

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta
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WORK EXPERIENCE

From January 2020 to today	Italian NHS researcher I.R.C.C.S. Foundation Neurological Institute "C. Besta" Study of the impact of genetic factors in patients suffering from movement disorders through the continuous updating of genetic platforms with high technological efficiency. Molecular and biochemical biology.
From September 2006 to December 2019	Contract Researcher I.R.C.C.S. Foundation Neurological Institute "C. Besta" Implementation of genetic / biochemical platforms. Molecular and biochemical biology.
From May 2001 to September 2005	Senior Scholarship I.R.C.C.S. Foundation Neurological Institute "C. Besta" Biochemical / molecular biology studies in patients with mitochondrial diseases and movement disorders.
From April 1997 to September 2000	Junior Scholarship I.R.C.C.S. Foundation Neurological Institute "C. Besta" Biochemical / molecular biology studies in patients with mitochondrial diseases and movement disorders.
From April 1995 to March 1997	CO.CO.CO. contract I.R.C.C.S. Foundation Neurological Institute "C. Besta" Antibody production and molecular biology studies in patients with mitochondrial diseases.
From March 1994 to March 1995	Trainee I.R.C.C.S. Foundation Neurological Institute "C. Besta" Biochemical studies in patients with lysosomal pathologies and fatty acid oxidation defects.

EDUCATION AND TRAINING

May 1995	Qualification to practice as a Biologist University of Milan; Registration in the Order of Biologists No. 051374
From May 1994 to May 1995	Internship for Biologist qualification Division of Biochemistry and Genetics of the Neurological Institute "C. Besta" in Milan
From September 1989 to February 1994	Master's Degree in Biological Sciences University of Milan Thesis entitled "Biochemical study of the Arylsulfatase A defect: evaluation of the metabolism of marked cerebroside sulfate in cultured fibroblasts", carried out at the Division of Biochemistry and Genetics of the Neurological Institute "C. Besta" in Milan, supervisor Prof. A. Guerritore, co-supervisor Dr. S. Di Donato.

ACHIEVEMENTS AND AWARD

Awards

Winner of two scholarships at the X (1995) and XII (1997) FISME National Congress.
Winner of the Seahorse Travel Award for the poster presented at EUROMIT8 (held in Zaragoza, June 20-23, 2011).

TECHNICAL SKILLS

Cell sub-fraction separation by chromatographic techniques
End point techniques for spectrophotometric assays of proteins and metabolites
Kinetic techniques for spectrophotometric and fluorometric spectrum assays of enzymatic activities
Radiochemical techniques to evaluate the enzymatic activities and the oxidative capacity of cells
DNA extraction
Amplification of gene fragments with the PCR technique
Extraction of mRNA from fibroblasts and tissues
Synthesis of cDNA
Direct sequencing of gene fragments, using an automatic sequencer
Use of restriction enzymes
Subcloning of gene fragments into competent cells
Production of fusion proteins from E. coli for the production of polyclonal antibodies
Next generation NGS sequencing