

PERSONAL INFORMATION

Viviana Pensato

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta
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WORK EXPERIENCE

- From 31/12/2019 to today Italian NHS Researcher - Fondazione IRCCS Istituto Neurologico Carlo Besta
Experience in molecular biology of neurological diseases on genetic basis: use of techniques, acquisition and interpretation of biological results. In particular, DNA sequencing with new generation techniques, sequence variant analysis, quantitative DNA and RNA analysis, protein analysis, cell cultures. Writing and reviewing of scientific publications and research projects.
- From 01/08/2014 to 30/12/2019 Contract Researcher - Fondazione IRCCS Istituto Neurologico Carlo Besta
Development of analytical panels for screening of known genes; identification of new causative genes by means of high-throughput next generation sequencing approaches (targeted resequencing and exome sequencing). Validation of the new variants and characterization of their possible pathogenetic effects by studying the proteins involved using cellular models.
- From 10/05/2008 to 31/07/2014 Fellow- Fondazione IRCCS Istituto Neurologico Carlo Besta
Molecular analysis of genes implicated in hereditary spastic paraparesis, ataxias, leukodystrophies and amyotrophic lateral sclerosis in a selected series of patients.
- From January 2007 to March 2008 and from September to December 2005 Trainee- University of Milan, Via Celoria 20.
Preparation of cell cultures and subsequent pharmacological treatment, immunofluorescence techniques, preparation of cell lysates for subsequent analysis of protein expression by western blot and FACS, analysis of invasive and migratory capacity through the use of special chambers and subsequent cytochemical staining, cell proliferation level analysis by MTT colorimetric assay, immunoprecipitation, RNA extraction and PCR.
- From 9 to 29 September 2001 • Intern- Laboratory Technician (School-work experience) -ENTHONE-OMI (UK) LTD- Woking Surrey.
Analysis of solutions and metals on the products used by the company and recording of the results.
- From 11 June to 6 July 2001 • Intern- Laboratory Technician-San Raffaele Hospital, Milan
Microbiological and biochemical analyzes on blood and / or urine samples from hospitalized patients. Staining of samples and microscope analysis.

EDUCATION AND TRAINING

- From December 2017 to January 2022 School of specialization in Medical Genetics (70 cum laude) at the University of Milan.
- June 2016 State examination for qualification to practice as a Senior Biologist (section A) at the University of Pavia
- From December 2005 to March 2008 Master's degree in Biological Sciences (Biology Applied to Biomedical Research) (107/110) University of Milan, Via Celoria 20
Main subjects / professional skills covered by the study: Chemistry-Physics, Mathematics, Computer Bioinformatics, Applied Physiology, English, Special and Applied Pharmacology, Microbiology Cellular, Biochemistry, Human and Molecular Genetics, Applied Immunology, Molecular Biology Clinical, Cellular and Molecular Pathology, Human Anatomy, Epidemiology, Prevention e Molecular diagnostics

From September 2002 to December 2005 Doctor of Biological Sciences (97/110) University of Milan, Via Celoria 20
Main subjects / professional skills covered by the study: Chemistry, Mathematics, Biology, Computer Science, Physics, General / Animal and Plant Physiology, English, Pharmacology, Biochemistry; Genetics, Immunology, Ecology, Animal Biology, Molecular Biology, Anatomy Human and Comparative, Microbiology, Virology and Health Epidemiology, Microbiology.

From September 1997 to July 2002 Chemical-biological laboratory technician (82/100)
State technical institute with special organization (ITSOS Marie Curie-Cernusco S / N).
Main subjects / professional skills covered by the study: Biochemistry, Microbiology, Chemistry Analytics, Organic Chemistry, Mathematics, Physics, English, Italian, History, Labor Law.

ACHIEVEMENTS AND AWARD

Awards Prize for research on PSE equal to € 400.00 awarded to me by the Italian Association Vivere la Spastic Paraparesis on 5 October 2013

Grants Collaborator of the Young Researchers Project 2016-Ministry of Health. Title "The role of the novel NEK1 and C21orf2 genes associated to DNA repair in the pathogenesis of Amyotrophic Lateral Sclerosis" Delete if not applicable

TEACHING ACTIVITY

Replace with dates (from - to) Replace with course(s), University

TECHNICAL SKILLS

DNA sequencing with new generation techniques, sequence variant analysis, quantitative DNA and RNA analysis, protein analysis, cell cultures. Writing and reviewing of scientific publications and research projects. High Resolution Melting PCR analysis (HRM), Real Time PCR analysis (RT-PCR) Multiple Ligation-dependent Probe Amplification (MLPA). Cellular cultures of lymphocytes and lymphoblastoid cells. Immortalization of human B Lymphocytes by Epstein Barr Virus (EBV) and DNA bank service for molecular diagnostic for a large number of hereditary neurological disorders. Immunofluorescence assay and Western Blot analysis.