

PERSONAL INFORMATION

Claudio Caccia

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta
OU Medical Genetics and Neurogenetics
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WORK EXPERIENCE

31/12/2019 – to date

Italian NHS researcher

Fondazione IRCCS Istituto Neurologico Carlo Besta. OU Medical Genetics and Neurogenetics. Via Amadeo 42, Milan 20133, Italy.

- Study of cholesterol metabolism in neurodegenerative diseases by mass spectrometric methods. Analysis of the results, identification of problems.

01/09/2016 - 30/12/2019

Contract Researcher

Fondazione IRCCS Istituto Neurologico Carlo Besta. OU Medical Genetics and Neurogenetics. Via Amadeo 42, Milan 20133, Italy.

- "Identification of biomarkers for the diagnosis and study of Niemann-Pick type C disease". Study of cholesterol metabolism in biological fluids of patients by mass spectrometric methods. Analysis of the results, identification of problems.

01/02/2011 - 30/06/2016

Contract Researcher

Fondazione IRCCS Istituto Neurologico Carlo Besta. OU Medical Genetics and Neurogenetics. Via Amadeo 42, Milan 20133, Italy.

- "Study of cholesterol metabolism as a biomarker in Huntington's disease" study by mass spectrometry in biological matrices. Analysis of the results, identification of problems.

01/06/2006 - 31/01/2010

Contract Researcher

Fondazione IRCCS Istituto Neurologico Carlo Besta. OU Medical Genetics and Neurogenetics. Via Amadeo 42, Milan 20133, Italy.

- "Genetic and molecular basis of epileptogenic cortical malformations in children". Development and management of molecular genetic methods, analysis of results, identification of problems.

01/05/2002 - 31/05/2006

Fellowship

Fondazione IRCCS Istituto Neurologico Carlo Besta. OU Medical Genetics and Neurogenetics. Via Amadeo 42, Milan 20133, Italy.

- "Genetic and molecular basis of epileptogenic cortical malformations in children". Development and management of molecular genetic methods, analysis of results, identification of problems.

EDUCATION AND TRAINING

1984 - 2001

Master's degree in biological sciences

Università degli Studi di Milano

1975 - 1980

Scientific high school diploma

Liceo Galileo Galilei, Legnano (MI)

TECHNICAL SKILLS

Preparative techniques by liquid-liquid and solid phase (SPE) extraction of lipid molecules and other low molecular weight metabolites.

Derivatization techniques of lipid molecules and other low molecular weight metabolites for subsequent analysis in gas chromatography - mass spectrometry (GC-MS) and liquid chromatography - tandem mass spectrometry (HPLC-MS / MS).

GC-MS methods for the study of lipid molecules and other low molecular weight metabolites.

HPLC-MS / MS methods for the study of lipid molecules and other low molecular weight metabolites.

Basics of tissue imaging by mass spectrometry with MALDI-TOF technology.

Expertise in fibroblast cultures.

DNA extraction and purification techniques from venous blood.

Spectrophotometric assay of nucleic acids and proteins.

Nucleic acid amplification techniques by PCR.

Mutational analysis in amplicons by Denaturing High Performance Liquid Chromatography (DHPLC).

Gene sequence analysis by Sanger automatic sequencing method (BigDye chemistry. Automatic sequencers: ABI377, ABI3100, ABI3130).

Gene dosage by Real Time PCR and Multiple Ligation Probe Assay (MLPA).