

Laura Ceccuzzi (Perugia, Italy, 17 November 1989)

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EDUCATION – RESEARCH AND WORK EXPERIENCE

October 2016 – Today: PhD Student, Applied Sciences of Life and Health- School of Life and Health Sciences. University of Verona (Italy)- Department of Biomedicine Neuroscience and Movement, section of Biology and Genetics. Tutor: Dott.ssa Macarena Gomez Lira

October 2015-October 2016: Scholarship at Department of Medicine, Ematology, University of Perugia (Italy). Project title: “Molecular Spectrum of β - and α -Thalassemia Mutations in Non-Endemic Umbria, Central Italy” Tutor: Dr. Paolo Gorello.

Background: Hemoglobinopathies, Italy, Hemoglobin (Hb) variants, Sicke Cell Diseases, Thalassemia

October 2015: Master's degree in Medical Biotechnology with an experimental thesis on molecular genetics, thesis subject: “Mutation frequencies of gene associated with hemochromatosis disease in Umbria population: development of NGS assay” (110/110 cum Laude; Supervisor: Prof.ssa C. Mecucci; Tutor: Dr. P. Gorello).

Background: Mutation, Gene, Frequencies, Sequencing, NGS, Hemochromatosis

November 2015 – October 2015: research internship for the Master's degree in Medical Biotechnology at the Department of Medicine (University of Perugia, Italy; Supervisor: Prof.ssa C. Mecucci, Tutor Dr. P. Gorello).

Background: Mutation, Gene, Frequencies, Sequencing, NGS, Hemochromatosis

October 2013: Bachelor's Degree in Biotechnology with an experimental thesis on Ematology; thesis subject: “Diagnosis of acute myeloid leukemia with NPM1 mutation by western blotting” (94/110; Supervisor: Prof.ssa M.P. Martelli).

November 2012 – October 2013: experimental training and research internship for the Bachelor's degree in Biotechnology at the Department of Medicine, Ematology, University of Perugia. (Supervisor: Prof.ssa M.P. Martelli).

Background: Ematology, Leukemia, Protein, Western Blotting

RESEARCH SKILLS

Optimal skills and knowledge in maintenance and treatment of mammalian cell cultures (LM-16, LM-36, HaCat, 293T, HeLa; THP1, Primary Fibroblast) high knowledge of techniques applied to cell cultures.

Optimal knowledge of laboratory preparations, assays, molecular biology techniques (RT-PCR, PCR, RNA and DNA extraction and analysis, genotyping, recombinant plasmids, bacterial transformation, extraction and amplification of the recombinant plasmid.)

Good experience in the use of lab instruments.

Knowledge and experience in biomedical database browsing. Proficient in using software for the creation of customized card for next generation sequence (TruSeq Custom Amplicon, Design Studio (ILLUMINA). Knowledge and experience in the use of the main bioinformatic tools for sequence analysis (Applied Biosystem Sequencing Analysis, Abi Prism Genetics Analysis. Knowledge and experience in statistical analysis (Graph-Pad 5, EpilInfo 7).

Good at reading, writing, speaking of scientific English.

SCIENTIFIC PUBBLICATIONS

- 1) Gorello P, Arcioni F, Palmieri A, Barbanera Y, Ceccuzzi L, Adami C, Marchesi M, Angius A, Minelli O, Onorato M, Piga A, Caniglia M, Mecucci C, Roetto A. "The Molecular Spectrum of β - and α -Thalassemia Mutations in Non-Endemic Umbria, Central Italy. Hemoglobin". 2016 Nov; 40(6):371-376

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Verona, July 2018