Surname: Viganò

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Education

2014-2017: PhD in Life Sciences at University of Milano-Bicocca; internship at the Orthopaedics Biotechnology Lab, held by Dr. Laura de Girolamo, at IRCCS Istituto Ortopedico Galeazzi; thesis title: “Mesenchymal Stem Cells for the treatment of Osteoarthritis and Tendinopathy”.

2011: Master’s Degree in Biology, biomolecular curriculum, at Università degli studi di Milano-Bicocca, with the thesis entitled “Influence of C-terminal region in aggregation propensity of two different Ataxin-3 isoforms. In silico and in vitro analysis” realized during the internship at the biochemistry and bioinformatics labs held by Prof. Paolo Tortora and Prof. Luca de Gioia.

2008: Bachelor’s Degree in Biology, biomolecular curriculum, at Università degli studi di Milano-Bicocca, with the thesis entitled “Mechanism of neural apoptosis mediated by Metalloproteases” realized during the internship at the Rita Levi Montalcini Lab held by Prof. Annamaria Colangelo.

Work experiences

Sept 2017 – present: postdoctoral researcher at Orthopaedics Biotechnology Lab, held by Dr. Laura de Girolamo, at Istituto Ortopedico Galeazzi, Milan, Italy.

2017 (Feb-Sept): Visitor Research Scholar in Pathology, in the laboratory held by Prof. Laura Santambrogio at Albert Einstein College of Medicine, NY, USA

2011-2014: Research staff member at Orthopaedics Biotechnology Lab, held by Dr. Laura de Girolamo, at IRCCS Istituto Ortopedico Galeazzi, Milan, Italy.

Lab Skills

Isolation and culture of primary mammalian cells (mainly Mesenchymal stem cells from adipose, bone marrow and tendon tissue, and leucocytes), viability and proliferation assays (MTT, Alamar, Live&Dead, Cyquant, BrdU), ELISA assays, Real Time RT-PCR, mRNA extraction and processing, histology sample preparation and stainings, immunofluorescence microscopy, techniques for adult stem cells differentiation and statistical analysis, proteomic analyses of human tissue samples, mammalian cell lines and bacterial cultures, SDS-PAGE, Western blot, techniques of DNA analysis and usage (miniprep and midiprep DNA plasmid extraction, agarose gel electrophoresis), techniques for E. coli transformation, chromatographies (HPLC), fluorescence microscopy techniques, basic bioinformatics techniques (sequence alignment, molecular modeling and molecular dynamics).

Awards

- Silver prize winner at the abstract contest of CELLS Musculoskeletal 2016, October 7-9, 2016, Amsterdam, Netherlands

- Best Presentation (Under 35) – XVIII National Congress of the Italian Orthopedic Research Society (IORS), December 9-10, 2016, Rome, Italy