Jessica Bertacco

Personal Information

Date of birth:
May 5, 1992 - Pordenone, Italy

Address:
Via Prà 28, 33070
Brugnera (PN), Italia

Telephone number:
(+39) 0458128450

e-mail:
jessica.bertacco@univr.it

Education and training

2019 – in progress

PhD course in Applied Life and Health Sciences – XXXV cycle, University of Verona (Italy).
Laboratory of "Skeletal diseases and histomorphometry", LURM (Verona).
Contact person: Dr. Luca Dalle Carbonare, luca.dallecarbonare@univr.it; Dr. Maria Teresa Valenti; mariateresa.valenti@univr.it.

I work mainly with mesenchymal stem cells to study gene and protein expression during osteoblastic and chondrogenic differentiation.

2015 – 2018

Master's Degree in Medical Biotechnology conferred on 23.03.2018 at the University of Trieste, Department of Life Sciences.
Thesis Title: "Role of miR-223 in the regulation of cell growth in Luminal Breast Cancer".
Coordinator: Prof. Riccardo Sgarra. Co-advisor/Project coordinator: Dr. Gustavo Baldassarre; Dr. Barbara Belletti; Dr. Francesca Citron.

2011 – 2015

Bachelor's Degree in Biological Sciences and Technologies conferred on 25.09.2015 at the University of Trieste, Department of Life Sciences.
Thesis title: "Ada-Scid: a rare and severe immunodeficiency defeated by gene therapy".
Coordinator: Prof. Renzo Menegazzi.

Work experience

03/2017 – 02/2018

Training at "Translational research in female tumours" laboratory directed by Dr. Gustavo Baldassarre, Division of Experimental Oncology 2, National Cancer Institute of Aviano (Italy).
Research project: study of the role of miR-223 in the regulation of cell proliferation, tumorigenic potential and "self-renewal" capacity in breast cancer. Generation of an experimental model of miR-223 over-expression in several breast cancer cell lines. Cell proliferation assays, assays to evaluate tumorigenic potential (clonogenic assay, soft agar assay), mammosphere formation assay.

12/2014 – 01/2015

Training at the "Applied and Comparative Genomics" laboratory, Department of Life Sciences, University of Trieste.
Subject: study of the bacterial species that compose a specific habitat (dental plaque, vagina) with a metagenomic approach.
Supervisor: Dr. Fiorella Florian.

Pubblications

1. **A potential role of RUNX2-RUNT domain in modulating the expression of genes involved in bone metastases: an in vitro study with melanoma cells (2020)** Deiana M., Dalle Carbonare L., Serena M., Cheri S., Mutascio S., Gandini A., Innamorati G., Lorenzi P., Cumerlato M., Bertacco J., Antoniazzi F., Romanelli MG., Mottes M., Zipeto D., Valenti MT. Cells; 2020 March.

Job-related skills

I have a great experience in the following cellular and molecular biology techniques: cell culture, primary cell lines culture, cell proliferation assays, recombinant lentiviruses production with calcium-phosphate transfection method, cellular transfection, lentiviral transduction of target cells, clonogenic assay, soft agar assay, immunofluorescence techniques, mammosphere formation assay, SDS PAGE electrophoresis for protein analysis, Western Blot, extraction and purification of DNA/RNA, analysis of microRNA expression, PCR techniques (RT-PCR, qRT-PCR), processing of biological samples from zebrafish and mouse models: formalin fixation, paraffin embedding, immunohistochemistry and immunofluorescence on tissue sections, processing of bone samples, methylmethacrylate embedding and tissue sections staining.

I have good ability to organize my work, to collaborate with the rest of the team, both in standard situations and in solving problems.

Languages

Italian – Mother language
English – B2 (FCE certificate)

I hereby authorize to deal personal data contained in my curriculum vitae according to the European Legal Proceedings D. Lgs. 196 dated 30 June 2003 and art. 13 of the EU Regulation 2016/679 concerning the protection of individuals with regard to the processing of personal data.