

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **MARIA LAURA BELLADONNA**

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**PERSONAL SKILLS AND
COMPETENCES**

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas..*

**TECHNICAL SKILLS
AND COMPETENCES**

*With computers, specific kinds of
equipment, machinery, etc.*

The research field is the in vitro study of molecular mechanisms of immunogenic/tolerogenic response; effects of tolerogenic cytokines, tolerogenic enzyme indoleamine 2,3-dioxygenase 1 (IDO1), and tryptophan metabolism in murine experimental models of autoimmune diseases and in tumors; effects of plant-derived bioactive compounds in the regulation of osteoclastogenesis and effects of oxidative stress molecules in bone-damaging diseases; effects of dental-use biomaterials on the regulation of osteoclastogenesis and osteoblastogenesis.. Knowledge of biochemical methods and in vitro study for the assessment of enzymatic activity and kinetics, in particular related to IDO1 enzyme; HPLC analysis of tryptophan metabolites; knowledge of molecular techniques and other analytical methods currently used for the investigation of molecular and cell biology: DNA and RNA extraction and manipulation, PCR, realtime PCR, immunoblotting, immunoprecipitation ELISA, cloning, agarose and polyacrylamide gel electrophoresis; cell manipulation and culture, specific expertise in dendritic cells (purification and manipulation), macrophages/osteoclasts (study of osteoclastogenesis), and mesenchymal precursors/osteoblasts (study of osteoblastogenesis).

ADDITIONAL INFORMATION

PEER-REVIEWED PUBLICATIONS: Full papers are included in “NCBI USA” database and available at Scopus URL <https://www.scopus.com/authid/detail.uri?authorId=6701317293>
SCOPUS METRICS: Total citations: 10,348; H-index: 45