

CURRICULUM VITAE

Prof.ssa FEDERICA BORALDI

PERSONAL DATA

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Prof. Federica Boraldi has received a degree in Biological Science at the University of Modena, Specialized in Clinical Pathology in 1998 and a PhD in Experimental Medicine in 2005 at the University of Modena and Reggio Emilia. She is Associate Professor in General Pathology (GSD 06 MEDS-02, SSD MEDS-02/A) at Department of Life Sciences of University of Modena and Reggio Emilia since 2021.

RESEARCH ACTIVITIES

Research activity has been mainly focused on the **biology and pathology of the extracellular matrix** and on the alterations of **elastic component** and on the role of **fibroblasts** in modulating connective homeostasis in physiological processes (aging) or in acquired or genetic diseases. These aspects have been investigated by structural, biochemical and biomolecular methods. Prof. Boraldi is responsible of a proteomic analysis laboratory (PWL-ProteoWork Laboratory), largely dedicated to the analysis and the characterization of the fibroblast protein profile in primary culture and in tumour cell and in other experimental conditions (aging, hypoxia, serum deprivation). Other research fields have been the evaluation of biocompatibility and cytotoxicity parameters for tissue implants and also the characterization of cellular and protein alterations in different models of cell death. Research data are described in 96 publications including book chapters.

RESEARCH PROJECTS AND GRANTS

Responsible of research grants funded on competitive basis and along the years she participated to several national and international projects (MIUR, Telethon, UE).

TEACHINGS

- ✓ aa 2023-2024 – present: “Fisiopatologia e medicina traslazionale”. Master degree course: Biosciences. UNIMORE
 - ✓ aa 2023-2024 – present: “Fisiopatologia e patologie della nutrizione”. Master degree course: Biosciences. UNIMORE
 - ✓ aa 2022-2023 – present: “General Pathology (with elements of medical terminology)” Single-Cycle Master Degrees (5 years): Pharmacy. UNIMORE
 - ✓ aa 2019-2020 – present: “Omics for the study of biological system”. Degree Course: Biotechnology. UNIMORE
 - ✓ aa 2018-2019 – 2022-2023: “Patologia della nutrizione” dell’insegnamento “Fisiopatologia e patologia della nutrizione”. Master degree course: Experimental and Applied Biology. UNIMORE
 - ✓ aa. 2015-2016 – 2023-2024: “Translational medicine”. Master degree course Experimental and Applied Biology. UNIMORE
 - ✓ aa. 2013-2014 – 2021-2022: “General Pathology”. Degree Course: Midwifery. UNIMORE
 - ✓ -aa. 2013-2014 – 2015-2016: – “General Pathology”. Degree Course: Dental Hygiene. UNIMORE.
 - ✓ aa. 2013-2014 e aa. 2014-2015: “Proteomic techniques in pathology”. Master degree course: Biology; Medical Biotechnologies
- She has been tutor/co-tutor of 60 thesis of graduating students.

INSTITUTIONAL RESPONSIBILITIES

Tutor of graduate students in Biosciences/Experimental and Applied Biology.

Member of the Quality Assurance Group in the post-graduate Course in Biosciences/Experimental and Applied Biology.

Modena, 24/05/2024