

CV FRANCESCA BONOMINI

Associate Professor of human Anatomy

Education:

- Graduation in Biological Sciences, University of Milano, Bicocca.
- Ph.D in Morphological Sciences, University of Milano.

Positions and Employment:

- 2008 Researcher in the Section of Human Anatomy of the Department of Biomedical Sciences and Biotechnologies of the University of Brescia.
- 2013 - 2017 Researcher in the Section of Anatomy and Physiopathology of the Department of Clinical and Experimental Sciences of the University of Brescia.
- 2017 to date Associate Professor of Human Anatomy, Section of Anatomy and Physiopathology of the Department of Clinical and Experimental Sciences of the University of Brescia.

Academic activity

- 2014 to date Member of the council of the Interdepartmental Research Center "Tissue and Organ Adaptation and Regeneration (ARTO)", Department of Clinical and Experimental Sciences, University of Brescia
- 2016 to date Member of the didactic committee of the CdS in Physiotherapy

Professional membership and honours

Member of the Italian Society of Anatomy and Histology (SIAI) and of Histochemical Society (HSC)

Research Statement

The scientific activity began with the study of structural and metabolic alterations induced by immunosuppressive treatment with Ciclosporin A in various organs and the evaluation of the protective effect of antioxidants. This activity then continued focusing mainly on organ damage, especially on the cardiovascular system, resulting from hypercholesterolemia and hypertension, evaluating new preventive strategies.

In this context, the research activity has mainly focused on the effects of lifestyle in aging and the role of antioxidant molecules such as melatonin.

In the same line of research there are also recent studies regarding the role of anti-aging growth factors in fatty liver related to obesity.

The researches were conducted in order to evaluate alternative therapeutic strategies intended as prevention and treatment of health.

It is also involved in a clinical trial for the evaluation of the effect of Melatonin in essential arterial hypertension.

The scientific activity was mainly carried out at the Department of Anatomy and Physiopathology of the University of Brescia, where she also followed the students of the Degree Courses in Biotechnology, Biomedical Laboratory Techniques, Medicine and Surgery and Ph.D. Research, for the preparation of the thesis.

Publication

-Author of 35 full papers in international journals and about 36 national and international Congress presentations.

Complete List of Published Works: <https://www.ncbi.nlm.nih.gov/pubmed/?term=Bonomini+f>

-Author of 3 book chapters

-H index *Scopus*: 14

Google Scholar: 16

Teaching

-Professor of Graduate Courses of Medicine and Surgery, Physiotherapy, Professional Education, Psychiatric Rehabilitation technique, Biomedical Laboratory Technique and of the Schools of Specialization in Diseases of the Respiratory System, and Emergency and Urgency Medicine.

-Teacher of Courses of anatomical dissection and surgical anatomy.