

Curriculum Vitae – Nunzia Bernardini
17-03-2023

UNIVERSITY DEGREES

1987: Doctor in Medicine and Surgery, with honours, (equivalent to MD), Pisa University

1991: Specialist in Pharmacology, with first class honours, (equivalent to MS), Pisa University

ACTUAL and PREVIOUS POSITION

2018-present: Full Professor of Histology and Embryology (BIO/17-Histology), Department of Clinical and Experimental Medicine, Histology Unit, School of Medicine and Surgery, Pisa University

2002: Associate Professor of Histology, Department of Human Morphology and Applied Biology, School of Medicine and Surgery, Pisa University

1990: Assistant Professor of Histology, School of Medicine and Surgery, Pisa University

SCIENTIFIC RESEARCH

Since 1993, Nunzia Bernardini directs and coordinates a research group dedicated to morphological and morphometric studies carried out by the following techniques: histochemistry, in situ hybridization, histomorphometry, immunoperoxidase, confocal immunofluorescence

Major research interest

Histomorphology and histopathology of the gut wall, with focus on intestinal neuromuscular compartment, enteric nervous system, intestinal mucosal barrier and wall vessels

Major research topics

- 1) phenotypic and neurochemical characterization of the cellular components of the mucosal, submucosal and neuromuscular compartment which ensure the proper function of the intestinal barrier and motility;
- 2) tissue and molecular remodeling of the intestinal wall in central neurodegenerative pathologies (Parkinson's disease, Alzheimer's disease), inflammatory bowel disease, diverticulosis, obesity, in both animal models and patients;
- 3) neurochemical remodeling of the hippocampus in experimental models of Alzheimer's disease
- 4) effects of nutraceutical molecules in experimental models of intestinal inflammation and central neurodegeneration;
- 5) tissue remodeling of mesenteric vessels in gastro-intestinal and cardio-vascular pathologies, diabetes and obesity, in animal models and patients

RESEARCH GRANTS

PRIN 2003, project no. 2003052707-002; PRIN 2009, project no. 2009MFSXNZ; Pisa University Research project PRA-2016-20; Padua University Research project PRID-CUP, C92F16002460005

PUBLICATIONS

Author of 111 publications on peer reviewed journals (from Scopus)

Scopus Author ID 7003545962, total citations: 2209; *h*-index: 29

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Web of Science ResearcherID: AAC-4602-2021

PATENT

Co-author of the patent US 2009/0136576 A1: Calvosa G, Bernardini N et al (2009). "Biocompatible composition for replacing/regenerating tissues" from 2009

MEMBERSHIP OF INTERNATIONAL JOURNAL SCIENTIFIC EDITORIAL BOARD

review editor in "Frontiers in Neuroanatomy"; co-editor in "The Journal Gastroenterology"

SCIENTIFIC REVIEWER ACTIVITY

Journal of Crohn's and Colitis, PlosOne, Histology and Histopathology, Frontiers in Neuroanatomy, Journal of Cellular and Molecular Medicine, Cellular and Molecular Biology Letters, Cytokine, Disease Markers

Nunzia Bernardini, MD

Full Professor of Histology

University of Pisa, School of Medicine

Department of Clinical and Experimental Medicine

Unit of Histology and Embryology

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