

**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

ORCID iD: <https://orcid.org/0000-0001-9061-9402>

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*

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