

Elena Bonanno  
elena.bonanno@uniroma2.it

Born: September 10th 1959 Female

- 23 dec 2015 to date: Associate Professor of Pathology (SSD MED08)  
Full professor eligibility 17/10/2018

Bibliometric indexes: citations 163; H-index: 36; Citations: 4718

- Research

- Post-doctoral Fellowship for a research project supported by the National Institutes of Health (USA) to study the function of the extracellular matrix in angiogenesis (January 1990 - January 1991)

- research assistant at the University of Rome Tor Vergata (November 1989-June 2000)

- Researcher (lecturer of Pathology), University of Rome Tor Vergata (from July 2000 to dec 2015)
- Associate professor of pathology from 23 dec 2015 to date

- Teaching

#### MEDICINE AND SURGERY SCHOOL

In charge of the module "Molecular Biology applied to Pathology" from the academic year 2002-2003 to date;

#### MEDICAL BIOTECHNOLOGY SCHOOL

- April 2022 elected coordinator of the master's degree course in medical biotechnology

- Coordinator of the course of molecular and cellular biotechnology (aa 2003-04, 2004-05, 2005-06, 2006-07, 2007-08, 2008-2009)

- Coordinator of the course of Biotechnology Diagnostics (aa2009-10, 2010-11)

- Coordinator of the course of Pathology and Molecular Pathology (aa 2011-12, 2012-13)

- Coordinator of the course of Anatomic Pathology (aa 2013-14 to date)

- In charge of the teaching module of Anatomic Pathology (integrated course of Functional Anatomy and Histopathology) and of the teaching module of Microscopy and biobanks (Integrated Course Molecular and Cellular Biotechnology: academic years 2003-04, 2004-05, 2005-06, 2006-07, 2007-08; 2008-2009)

- In charge of the teaching module of Anatomic Pathology (integrated course of Diagnostics Biotechnology) (academic years 2009-10, 2010-11)

- In charge of the teaching module of Pathology of Organ Transplantation (Integrated Course of Pathology and Molecular and Cellular Immunology (academic years 2009-10, 2010-11)
- In charge of the teaching module of Molecular Pathology and Anatomic Pathology (integrated course of Molecular Pathology and Pathological Anatomy, academic years 2011-12, 2012-13)
- In charge of the course of Anatomic Pathology (aa 2013-14 to date)

#### FIRST LEVEL DEGREE FOR BIOMEDICAL LABORATORY TECHNICIANS

Coordinator of the Anatomic Pathology I course from the academic year 2002-2003 to date (academic year 2017-2018);

Coordinator of the Anatomic Pathology II from the academic year 2012-13 to date

- In charge of the teaching module of histopathology techniques in Anatomic Pathology I course from the academic year 2002-2003 to date (academic year 2017-2018);

- In charge of the teaching module elements cytopathological diagnosis of the course Anatomic Pathology II from the academic year 2002-2003 to date (academic year 2017-2018);

#### METHODOLOGIES

- Methods of conventional light microscopy;
- Methods of cell culture;
- Methods of flow cytometry;
- Methods of electron microscopy;
- Methods of ELISA assay;
- Methods of immunohistochemistry, in situ enzyme immunoassay;
- Methods of confocal microscopy;
- Design and implementation of Tissue Microarrays;
- Methods of laser micro dissection;
- Methods of use of laboratory animals for research purposes.

#### DIAGNOSTICS

- Cytopathology
- Autoptical activity
- Surgical Pathology of breast pathology
- Frozen section for intraoperative surgical pathology
- General surgical pathology
- Commission for Death declaration
- Evaluation of organ and donor for transplantation

#### TEACHING

Theoretical and practical lessons to students of :

- MEDICINE AND SURGERY SCHOOL

- MEDICAL BIOTECHNOLOGY SCHOOL
- FIRST LEVEL DEGREE FOR BIOMEDICAL LABORATORY TECHNICIANS

- Theoretical and practical lessons in schools specializing in Anatomic Pathology, Oncology, Radiotherapy.

#### RESEARCH FIELDS

- Role of extracellular matrix in angiogenesis.
- Atherosclerosis: biomolecular characterization of plaque components, study of the morphology, the pathophysiology of the vascular system with particular reference to human carotid and coronary lesions.
- Characterization of biomarkers in human cancers

Winner of the BEYOND BORDERS 2019 call for proposals "TRAP Transcription factor ZNF750 in breast and prostate Adenocarcinoma Progression"

Winner of INAIL Bric 2019-2021 call for proposals "Ultrastructural and elemental analysis of the bioaccumulation of asbestos fibers and heavy metals in a cohort of biopsy samples of human neoplasms"

Leadership: experience in project management and management of quality control

Organisational skills and competences : Teacher, Good knowledge of quality control processes, good knowledge of the cytological diagnosis of breast diseases

Computer skills and competences: Excellent knowledge of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™).

Other skills and competences: Painting, bricolage, kitchen, embroidery, knitting and crochet. Good ability to adapt to multicultural environments.

#### CLINICAL ACTIVITY

- november 1 2022 to date: Project manager "Realizzazione di un modello gestionale di alta automazione e digitalizzazione conforme agli standard ISO9001 della UOC Anatomia Patologica ASL RM2" (Equiparato a UOS Ospedale s. Eugenio ASL RM2 Roma)
- September 12 2016 to october 31 2021 director of UO Citohistopathology Diagnostica Medica Neuromed group
- September 8 2008 to September 2016: Director of Cytopathology Section at "Policlinico Tor Vergata" Quality Control Manager of the Anatomic Pathology Department Of "Policlinico Tor Vergata";
- July 14 2006 to 23 dec 2015: Aggregate Professor of Pathology
- February 1 2002 to date: Attending Physician at Policlinico Tor Vergata
- November 2 2000 – january 2002: Attending Physician Ospedale S.Eugenio
- January 14 1991- novembre 1 2000: Medical assistant Ospedale S.Eugenio
- July 1 2000: Researcher at University of Rome Tor Vergata
- November 28 1989: Research assistant at University Of Rome Tor Vergata

