

## **Paola Cassoni**

Date of birth 15/07/1964

Professional activity: University and Health

### **Education and training**

- Degree in Medicine and Surgery at the University of Turin (1988),
- Specialization in Gynecology and Obstetrics at the University of Chieti (1992),
- PhD in Medical Oncology at the University of Turin (1995)
- Specialization in Pathology at the University of Turin (1999).

### **Current job or position:**

- Full Professor of Pathological Anatomy
- Deputy Dean of Medical School, University of Turin
- Director of the Residency school in Pathology
- Head of SCU Pathology Unit 2U, AOU Città della Salute e della Scienza di Torino
- Head of Department of Laboratory Medicine, AOU Città della Salute e della Scienza di Torino

### **Professional experience**

- 01/11/1999: University Researcher SSD MED08, University of Turin, medical director with SSN at the Pathological Anatomy Service, AOU Molinette Torino
- 01/11/2004: Associate Professor SSD MED08, University of Turin, medical director with SSN at the Pathological Anatomy Service, AOU Molinette Torino
- 9/03/2016-present Director SC Pathology Unit 2U, AOU Città della Salute e della Scienza di Torino, Presidio Molinette
- 01/12/2016-today Full Professor of Pathology, SSD MED08, University of Turin( with integrated SSN clinical diagnostic activity as head of the Pathology Unit 2U)
- 01/02/2020-present Director of Department of Laboratory Medicine, AOU Città della Salute e della Scienza di Torino

### **Other activities and responsibilities**

#### **-Field of Higher Education:**

- 01/11/2021-today Deputy Dean of Medical School, University of Turin

- 01/02/2023 Gender Equality Delegate for the University of Turin
- Vice president of the degree course in Medicine and Surgery at Medical School, University of Turin from aa 2012-13 to 20-21.
- Member of the Quality Presidium of the University of Turin 2012-16
- Delegate Guidance, Tutoring and Job placement for Medical School in the University's OTP Commission 2012-present
- Director of Residency School in Pathology from 2019-present
- Responsible of continuing training courses in colorectal pathology for Pathologists, and developer of a regional CME (continuing medical education) program to enhance the diagnostic agreement among pathologists of early colorectal neoplasms including adenomas and T1 carcinomas, in agreement with Rete Oncologica Piemontese e del Centro di Prevenzione Oncologica (CPO)
- 2008-2011: Member of the Staff Committee of Medical School, University of Turin
- 2011-2016: Member of the Joint Teaching Committee of the Medicine and Surgery Degree, University of Turin
- From 2010 to 2013 Victor Babes Institute Bucharest - teaching assignment (fellowship)
- Professor of Pathology within the residency schools of Pathology, Gastroenterology, Surgery, Radiotherapy and Neurosurgery of the University of Turin.
- Professor of Pathology at School of Medicine, University of Turin
- Member of the Faculty College, Professor and Tutor of the PhD in Human Oncology at the University of Turin.
- Lecturer in University Masters
- 2012-21 referral of Quality Assurance at School of Medicine, University of Turin

**-Area of healthcare related activity:**

- Referral pathologist for colorectal cancer Screening, Regione Piemonte.
- Referral pathologist for digestive tract and neuropathology at the Pathology Unit AOU Città della Salute e della Scienza in Turin

**Financed Projects (competitive calls)**

**A) As Principal Investigator / co-responsible**

- PNRR 2022: Spoke 2 P.I., project "HUB LIFESCIENCE DIAGNOSTICA AVANZATA" bando "Ecosistema innovativo della Salute" nell'ambito del Piano complementare al Piano Nazionale di Ripresa e Resilienza - CODICE IDENTIFICATIVO: PNC-HLSDA-128 - Finanziato dal Ministero della Salute
- PI: Piedmont and Valle d'Aosta Oncological Network – Project:: Integrated molecular characterization for the research of diagnostic, prognostic and predictive markers in tumors of smooth muscle cells of the uterus. Role: Principal investigator - year 2020

- PI: Piedmont and Valle d'Aosta Oncological Network – Project: Introduction of classification based on the DNA methylation profile in the diagnosis of tumors of the central nervous system, sarcomas and other rare tumors - year 2018
- PI: Piedmont and Valle d'Aosta Oncological Network – Project: Prognostic and predictive role of immunotherapeutic markers in squamous carcinoma of non-metastatic anal channel subjected to radio-chemotherapy" - year 2017
- co-PI: LIFE LONG LEARNING PROGRAMME Project number : 519108 - LLP-2011-IT-KA3-KA3MP : Telepathological assessment of histopathological and cytological Techniques - Project Acronym: TASTE
- Head of Unit: Compagnia di San Paolo: Morphological-functional imaging of cerebral gliomas in relation to their genetic, antigenic and cellular resistance heterogeneity in vivo and in vitro year 2011
- Deputy PI: PRIN 2008: Breast cancer and hormone-therapy sensitivity: redefinition of anatomo-pathological diagnostics
- PI: Regione Piemonte 2008 bis: Immunophenotypic alternative to the molecular evaluation of the deletion of 1p/19q in glial tumors with oligodendroglial component
- PI: Regione Piemonte 2008: Evaluation of immunophenotypic and molecular factors of chemo-radioresistance in anal canal carcinoma
- PI: Regione Piemonte 2007: Immunophenotyping of brain tumors: new prognostic markers and therapeutic orientation
- PI: From 2007 assigned funds for the financing of annual projects "Ex 60% University of Turin"

#### **B) As Collaborator:**

- 2018-2022: Ministry of Education, University and Research (MIUR) - TESEO Project: "Achievements of Excellence in Medical Sciences Exploring the Omiche" under the programme "Departments of Excellence 2018 - 2022", Project n on D15D18000410001.
- EU Horizon 2020: Call: H2020-ICT-2018-2 Topic: ICT-11-2018-2019 - Project: "DeepHealth: Deep-Learning and HPC to Boost Biomedical Applications for Health".
- European Found FP6: LSH-2005-1.1.0-1 co-ordination Actions n Functional Genomics Research Contract Project Title: Archive's Tissues: Improving Molecular Medicine Research and Clinical Practice
- AIRC - Grant 2006: Tissue testing of Biotinylated Trastuzumab to identify breast cancer patients eligible to Trastuzumab therapy
- AIRC - Grant 2005: "Molecular genetic alterations and malignancy in primary breast carcinomas".
- AIRC - Grant 2004 - 2005: Oxytocin involvement in neoplastic growth mechanisms: a challenge in molecular-targeted therapy & diagnosis
- AIRC - Grant 2001 - 2002 - 2003: Impact of oxytocin and oxytocin analogs on cancer cell growth
- Compagnia di San Paolo "Special Project": Membrane receptors: potential targets for new therapies of solid tumors -2001-2006

#### **C) As a Tutor**

FIRC 2011 Tutor for the years 2012-2015, Scholarship Dr Rebecca Senetta "Triennial Fellowship" - Fondazione Italiana per la Ricerca sul Cancro (FIRC) "Lung and melanoma metastases to brain: for searching signatures with a focus on the role of Caveolin-1".

#### **Field of research/scientific activity:**

- Primary scientific interest is in the field of oncological pathology, with particular reference to colorectal cancer and tumors of the central nervous system.
- Invited speaker in a number of national and international conferences
- Responsible and collaborator in numerous scientific projects and clinical trials

#### **Bibliometric Indicators of Scientific Production** (at 29/10/2024)

Nr. Publications: 328 (Scopus)

H-Index: 53 (Scopus)

Total citations (Scopus): 9800 (at October 29, 2024)

Chapters in books: 12

#### **Patents**

Patent Number: ITMI20011167 D0 20010601 Cytotoxic or radioactive conjugates Able to bind to oxytocin receptors (it2001mi1167) Cytotoxic or radioactive conjugates capable of binding to oxytocin receptors (WO200298447)

#### **Editorial and Peer Review Activities**

- Reviewer of numerous international peer reviewed scientific journals
- Member of the Editorial Board of the International Journal of Biological Markers

#### **Awards and Recognitions**

- Vice-chair TNM Italian Board, UICC since 2017
- Doniselli Research Award for research on breast cancer (1994) with the work Oxytocin inhibits Proliferation of human breast cancer cell lines. Caissons P, Sapino A, Negro F, Bussolati G. Virchows Arch. 1994;425(5):467-72
- Siccra Award - Italian Society of Colorectal Surgery for the work: "Presence of apoptosis in diagnostic biopsies predicts complete response (TRG1) following preoperative chemo-radiotherapy in rectal carcinomas", 2011.
- Siccra Award - Italian Society of Colorectal Surgery for work: "Expression of YKL-40 predicts nodal metastases and poor outcome in anal carcinomas", 2011.