

Gabriella Castoria, MD, PhD

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Scopus Id: 6701916821

EDUCATION

1981: M.D., *summa cum laude*- University of Naples 'Federico II'- Medical School- Naples, Italy.

1985: Board in Clinic Pathology- University of Naples 'Federico II'- Medical School- Naples, Italy.

1991: Ph.D. in Molecular and Cellular Biology and Pathology, University of Naples 'Federico II' Medical School, Naples, Italy.

PREVIOUS ACADEMIC POSITIONS

1991- 1994: Post-doctoral Fellow, Institute of General Pathology, University of Naples Federico II Medical School, Naples, Italy, then 'II University of Naples' Medical School, Naples, Italy.

December 1994-October 2006: Assistant Professor of General Pathology (MED/04) at the Institute of General Pathology, then Department of General Pathology - Medical School, 'II University of Naples'- Naples, Italy.

November 2006- November 2012: Associate Professor of General Pathology (MED/04) at the Department of General Pathology, and then at the Department of Biochemistry, Biophysics and General Pathology Medical School, 'II University of Naples'- Naples, Italy

December 2012 to date- Full Professor of General Pathology (MED04) at the Department of Biochemistry, Biophysics and General Pathology, Medical School, 'II University of Naples'- and then at Department of Precision Medicine- Medical School, 'University of Campania 'L.Vanvitelli'- Naples, Italy.

TEACHING ACTIVITIES AND PhD SUPERVISION

From December 1994 to date-

Holder of the Academic Course of 'General Pathology and Pathophysiology' at the School of Medicine and Surgery of II University of Naples, then University of Campania 'L. Vanvitelli'- C.d.L. of Naples and Caserta.

October 2019-October 2021

Holder of the Academic Course of 'General Pathology' at the School of Odontoiatria- University of Campania 'L. Vanvitelli'-

December 1994- October 2011

Holder of the Academic Course of 'General Pathology and Pathophysiology' at the 'CdL in Scienze Infermieristiche'. II University of Naples, then University of Campania 'L. Vanvitelli'.

December 1994- October 2011

Holder of the Academic Course of 'General Pathology and Pathophysiology' at the 'CdL in Fisioterapia'- II University of Naples, then University of Campania 'L. Vanvitelli'.

2001-2004- Board Member of the International Doctorate Program in 'Molecular Oncology and Endocrinology'- University of Naples 'Federico II'- Medical School, Naples, Italy.

PhD supervisor: Dr. Rosina Di Stasio.

2001-2012- Board Member of the Doctorate Program in 'Oncologia ed Endocrinologia Molecolare'- University of Naples 'Federico II'- Medical School, Naples, Italy.

2005-2013- Board Member of the Doctorate Program in 'Fisiopatologia Sperimentale e Neuroscienze' II University of Naples- Medical School- Naples, Italy.

2013 to date- Board Member of the Doctorate Program in "SCIENZE BIOCHIMICHE E BIOTECNOLOGICHE"- University of Campania 'L. Vanvitelli', Medical School, Naples, Italy.

PhD supervisor: Dr Carmela Sorrentino, Dr Caterina Ierano', Dr Crescenzo D'Alterio, Dr. Federica Auletta, Dr. Giuseppina Rea.

Thesis supervision for many Students from **Biological Sciences, Biotechnologies** and **Medicine & Surgery** Schools (University 'Federico II' of Naples- University of Campania 'L. Vanvitelli'- Naples)

From 2021 to date: Mentor at the **MD/PhD Program of the School of Medicine & Surgery-** University of Campania- 'L. Vanvitelli' Naples (Student: Ferdinando De Stefano).

ACADEMIC ACTIVITIES.

2012 to date- Coordinator of the Integrate Course in General Pathology, Pathophysiology and Medical Genetics at the School of Medicine & Surgery (Italian Language Course)- II University of Naples, then University of Campania 'L. Vanvitelli'- Naples, Italy.

2014 to date- Coordinator of the Integrate Course in General Pathology, Pathophysiology and Medical Genetics at the School of Medicine & Surgery (English Language Course)- II University of Naples, then University of Campania 'L. Vanvitelli'- Naples, Italy.

2017 to date- Delegate of the Department's Head for the Research's Quality- Department of Precision Medicine- Medical School, 'University of Campania 'L. Vanvitelli'- Naples, Italy.

2017 to date- Delegate of the Department's Head for the Third Mission Activities- Department of Precision Medicine- Medical School, 'University of Campania 'L. Vanvitelli'- Naples, Italy.

- She has continuously served as Commission member for the examination sessions of Doctorate programs or Academic positions.

HONORS AND AWARDS.

Awarded at "Gordon Research Conference on Hormone Action" - Meriden- New Hampshire- U.S.A. 1996 for a selected short communication titled: 'Signal transduction pathway activation by estradiol in human carcinoma-derived cell lines'. She has been invited as speaker at many international and national Meetings and Courses (12th Pezcoller Symposium: Signaling cross-talks in cancer cells- Trento (Italy) 2000; International Workshop on "The proteins controlling cell growth and their role in tumour formation: mTOR, TCS and PTEN"- Instituto Juan March de Estudios e Investigaciones- Madrid (Spagna) 2004; Simposio "The role of IGF system in cancer"- Taormina (Italia), 2005; 5th International Meeting on Rapid Responses to Steroid Hormones' Dublino (Irlanda), 2007; International Society for Endocrinology- Kyoto 2010; European Society for Endocrinology, Praga 2010; International Conference "Translational Research in Oncology" Forlì (Italy), 2014; 50th Convegno della Società Italiana di Fisiologia'. Roma (Italy) 1999; XIII Congresso Nazionale della Società Italiana di Urologia Oncologica'; Ancona (Italy), 2003; SIP Meeting, Rende-Cosenza (Italy) 2008; Italian Meeting of Neuroscience Society, Milano, 2009; Convegno della Società Italiana di Endocrinologia- Padova (Italy) 2013; SIPMet Meeting, Palermo (Italy), 2014.

EDITORIAL ACTIVITY

Editorial Board Member of *Scientific Reports*.

Associate Editor of Faculty of 1000 Biology- Signal Transduction Section.

Associate Editor of Faculty of 1000 Biology- Cell Biology Section.

Associate Editor of 'Frontiers in Endocrinology'- Cancer Endocrinology Section.

Editorial Board Member for Int. J. Mol. Sci., Cancers, Endocrines.

Editor of the book 'Advances in rapid sex-steroid action: new challenges and new chances in breast and prostate cancers' (DOI 10.1007/978-1-4614-1764-4) - Springer-Verlag (New York- U.S.A.).

Editor of the book 'Steroid Receptors- Methods and Protocols . METHODS IN MOLECULAR BIOLOGY, vol. 1204, p. 1-245, NEW YORK- Springer, ISBN: 978-1-4939-1345-9, ISSN: 1064-3745.

REVIEWER'S ACTIVITY

Albo dei Revisori di REPRIS

M.I.U.R. (P.R.I.N., F.I.R.B. e S.I.R.)

A.N.V.U.R.

She serves as a Reviewer for projects funded by many Academic and Institutional Organizations (Regione Sicilia, Regione Calabria, University of Padua, Verona, Torino, Messina, Firenze, Roma III 'Tor Vergata').

Reviewer for Grant Applications:

'Deutsche Forschungsgemeinschaft (DFG) German Research Foundation (Germany);

'Alzheimer's Association' (U.S.A.);

'Susan Komen' Breast Cancer Foundation.

Reviewer for scientific journals:

Oncogene, Cancer Res., Seminars in Cancer, Clinical and Translational Medicine, Cancer Discovery, Advanced Science, Cell Death & Diff, Cell Death & Dis, PlosOne; Mol. Oncology; Mol Biol Cell, Mol Cell Biol, The FASEB Journal; Cell Death & Discovery and many others.

SCIENTIFIC SOCIETIES

Società Italiana di Patologia e Medicina Traslazionale (SIPMet)

European Society for Translational Medicine.

OTHER WORK EXPERIENCE:

2011- Scientific Consultant for Consorzio Spinner (Bologna); Project PharmGenia-*Drug discovery for life*.

2012-2015 Scientific Consultant for IRCCS Istituto Scientifico Romagnolo per lo Studio e la cura dei Tumori (IRST)-Meldola (Forlì).

2006 to date- Scientific Consultant for the European Laboratory for the Investigation of Food-Induced Diseases – ELFID- University 'Federico II' Naples.

FUNDINGS

FIRB project 'Neurosciences' funded in 2001 (CoPI; 129.286 Euro; Animali geneticamente modificati per lo studio di patologie neurodegenerative).

PRIN project funded in 2002 (P.I.; 50.000 Euro; Circuiti di trasduzione dei segnali attivati da steroidi e loro ruolo nel controllo della proliferazione e della sopravvivenza di cellule derivate da carcinomi umani della prostata.).

PRIN project funded in 2003 (P.I.; 33.000 Euro; Circuiti di trasduzione dei segnali attivati da androgeni in cellule mesenchimali e loro ruolo nella carcinogenesi prostatica).

PRIN project funded in 2006 (P.I.; 44.000 Euro; Cellule stromali e progressione dei tumori umani della prostata: ruolo degli androgeni e nuovi approcci terapeutici).

AIRC Project funded in 2008 (IG 5389; Intracellular steroid receptor trafficking as target of cancer therapy. Type ;140.000 Euro- CoPI).

AIRC project funded in 2012 (IG52012; 150.000 Euro; Co.PI; CROSS TALK BETWEEN PROSTATE CANCER ASSOCIATED FIBROBLASTS AND CANCER STEM CELLS.

PRIN project funded in 2010 (P.I.; 143.000 Euro; Tumore, cellule staminali/progenitrici e microambiente tumorale: nuovi bersagli terapeutici)

PRIN project funded in 2015 (P.I.; 59.000 Euro; Useful experimental models for dissecting the molecular links between cancer development/progression and the obesity epidemic)

PRIN project funded in 2017 (P.I.; 138.000 Euro; Extracellular vesicles in cancer development, progression and drug resistance: potential biomarkers and therapeutic targets.)

METRICS OVERVIEW (Scopus)

95 Documents

Total IF: 604
Mean IF: 6,8
5991 Citations
h-index: 35
N.° publications 1st Author: 18
N.° publications last name and/or corresponding: 32

NATIONAL AND INTERNATIONAL COLLABORATIONS

- Laboratory of 'Cell Biology' - prof. Ettore Appella - National Cancer Institute, National Institutes of Health, Bethesda, MD- U.S.A.
- 'Centre de Regulació Genòmica (CRG), Prof. Miguel Beato- Universitat Pompeu Fabra, Barcelona (Spain).
- Laboratory of 'Cell Signalling'- prof. Bart Vanhaesebroeck- UCL Cancer Institute, University College London, London (UK).
- Laboratory of Uro-Oncology Research Program in the Samuel Oschin Comprehensive Cancer Institute- Cedars Sinai Medical Center- 8700 Beverly Blvd- Los Angeles, CA 90048 (U.S.A.).
- Laboratory of 'Medical Genetics and Translational Medicine'-prof. Alberto Auricchio- Telethon Institute of Genetics- Pozzuoli (Napoli; Italy)
- 'European Laboratory for Food Induced Diseases (ELFID)' - prof. Maria Vittoria Barone; Università 'Federico II'- Napoli (Italy).
- Laboratorio di Sintesi Organica- Dr. Greta Varchi- Istituto per la Sintesi Organica e la Fotoreattività del Consiglio Nazionale delle Ricerche - Bologna (Italy).
- 'Drug Discovery Unit & Radiobiology, Biosciences Laboratory', Prof. Anna Tesei- Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST), Meldola (Italy).
- Prof. Pietro Campiglia & Prof. Alessia Bertamino- Dipartimento di Farmacia dell'Università di Salerno.
- Prof. Isabel Maria Gomez Monterrey- Laboratorio di Chimica Farmaceutica dell'Università 'Federico II' di Napoli- Dipartimento di Farmacia-
- Prof. Stefania Scala- Microenvironment Molecular Targets and Functional Genomics Unit, Istituto Nazionale Tumori "Fondazione G. Pascale", IRCCS, Naples, Italy.

INTERNATIONAL PATENT

Patent No. 14728600.9: Modulators of the Src kinase activity for preventing or treating metastatic cancers. Cancer Res. Technology Ltd.

Naples, 22 november 2022