



**Brief curriculum vitae
of
Patrizia Ballerini**

Academic Position

Associate Professor of Pharmacology

Work Address

Department of Neuroscience, Imaging and Clinical Sciences, “Center for Advanced Studies and Technology -CAST”, “G. d'Annunzio” University of Chieti-Pescara;
Via Luigi Polacchi 11, 66013, Chieti

Education

1986- Graduated in Medicine and Surgery with honors, G. d'Annunzio University of Chieti-Pescara
1986- Italian Medical Licensing Examination passed
1992 – Specialist in Rheumatology
2008 -II level Master Degree in “Drug Regulatory Affairs”.

Teaching activities

1992 – current, courses of Pharmacology, Neuropharmacology and Psychopharmacology in several study programmes of Healthcare Professions and Psychology of G. d'Annunzio University of Chieti-Pescara. Courses of Pharmacology/Neuropharmacology in several post-graduate specialization schools, Masters of I e II levels Healthcare.
2018 – current, Coordinator of I level Master Degree in “Emergency and Critical Care Nursing” of G. d'Annunzio University of Chieti-Pescara

Scientific activity

Main lines or research:

Studies on the role of natural and synthetic purines as well as their derivatives in modulating neuroprotective and/or neurodegenerative mechanisms in *in vitro* and *in vivo* models aimed at promoting potential impact in the pharmacological and clinical field.

more recently: i) studies in both *in vitro* and animal models on the role of human mesenchymal stem cells as a potential innovative therapeutic strategy in dentistry and in neurological diseases; ii) studies aimed at the identification of novel molecular targets, biomarkers and therapeutic approaches useful in the control of tumorigenesis and metastasis in collaboration with the research group coordinated by Prof. ssa Paola. Patrigani; iii) studies of potential pathophysiological effects of pollutants such as ozone and particulate matter on different cell models

Publications:

more than 80 international peer-reviewed publications

n.1 book chapter;

Patent

N.1 international patent “G-protein coupled receptor 22 transformed cell lines and uses therefor”(WO2015161369(A1) for the development of molecules to be used as potential novel therapeutic approaches in neuroinflammatory/neurodegenerative disorders.

Editorial Activity

2017-current, Associate Editor of Frontiers in Inflammation Pharmacology
2019-current Review Editor of Frontiers in Neuroscience/Neurodegeneration
2020- Editorial Board of International Journal of Molecular Sciences

PhD programme activity

2017-current. Tutor in the XXXIII cycle of PhD Programme in “Earthquake and environmental hazard” with the project “Studies on the atmospheric ozone’s effects on neuronal cells: cellular and molecular inner working”

Working experience abroad

1997- Visiting Scientist at the Department of Biomedical Sciences and Medicine, McMaster University, Health Science Centre, Ontario Canada, research group of Prof. M.P. Rathbone.
1996- German Cancer Research Center, Heidelberg, Germany, Coordinator Prof. M. Trendelenburg, October-November

Funded competitive Projects

2007- *Principal Investigator* “Guanosine-based purines and Cystic Fibrosis: molecular mechanisms for a potential new pharmacological approach”, Fondazione per la ricerca sulla Fibrosi Cistica, Prot. N. FFC#1/2007

Component/Internal collaborator of:

2017- “Extracellular vesicles in colorectal cancer: diagnostic and therapeutic implications”, PI Prof. P. Patriginani G. d'Annunzio University of Chieti-Pescara, funded by AIRC- Associazione Italiana per la Ricerca sul Cancro [IG 2017 Id.20365, durata 5 anni, 02/01/2018 01/01/2023]

2010- PRIN: “Effects mediated by activation of metabolic purine receptors on proliferative and differentiative processes of neuronal and cancerous stem cells” – PI Prof. P. Canonico

2003- PRIN: “Brain plasticity and functional recovery in stroke: a multimodal approach using magnetoencephalography, functional magnetic resonance imaging and hemodynamic parameters” – PI Prof. P.M. Rossini.

Responsibility for studies and research entrusted by qualified public or private institutions

1993-current, Responsibility of studies funded by G. d'Annunzio University of Chieti-Pescara

Membership of Scientific Societies

Italian Society of Pharmacology

Other Institutional Activities

2020-Member of the Team of Quality of the Leonardo Da Vinci telematic University

2019- Member CEV in the ANVUR accreditation process for the “a.a. 2019/2020”

2018- current, ANVUR Expert evaluator

2013-22 Member of the Team of Quality of G. d'Annunzio University of Chieti-Pescara

2016-2019 Member of Administrative Board - ADSU of Chieti-Pescara (the Right to University Education Body of Chieti-Pescara)

2015- Member of the Teaching Staff-International Tempus Project No. 543801-UKTEMPUS-JPGR,

2014- Member of the Teaching Staff-International Tempus Project 544188-TEMPUS--XK-TEMPUSJPCR,

2014- Delegate of the Rector to CISIA-Interuniversity consortium integrated access systems

Other activities

2012- Internal Auditor UNI EN ISO 19011:2012, SATA Biotech s.a.s., Milan

2011-12- Training course on “Assistance in the construction of the quality management system in the health sector” MZ Congressi Milan.