

Curriculum vitae et studiorum
ERICA BUOSO, PhD

PERSONAL INFORMATION

Name	ERICA
Surname	BUOSO
University	University of Pavia Department of Drug Sciences Viale Taramelli 12, 27100 Pavia (Italy)
E-mail	erica.buoso@unipv.it ebuoso@bu.edu
Telephone	0039 0382 987852



ACADEMIC CAREER

- **2022-Present:** Senior Research Fellow (RTDB) at the Department of Drug Sciences, University of Pavia, Italy.
- **2022-Present:** Affiliation to Department of Pharmacology and Experimental Therapeutics, Boston University School of Medicine, Boston, MA 02118, USA.
- **2017-2022:** Junior Research Fellow (RTDA) at the Department of Drug Sciences, University of Pavia, Italy.
- **2016-2017:** Adjunct professor at the Faculty of Pharmacy, University of Pavia.
- **2016- Present:** *Teaching assistant in SSD BIO/14 - Pharmacology.*
- **2012-2013:** Post-Graduate Master: MAMAF- Marketing Management in the Pharmaceutical Industry.
- **2007-2010:** PhD in “Biomolecular Sciences and Biotechnology”, XXIII, IUSS Pavia, Italy.
- **2007:** Master’s degree in Experimental and Applied Biology - Specialization in Molecular Biology and Genetics, University of Pavia, Italy (110 with honors).

RESEARCH EXPERIENCE

- **2022-present:** Collaboration with Prof. Feng Hui as Visiting Research at The Cancer Center, Boston University School of Medicine, Boston, MA 02118, USA. Research topic: “The Metabolic Mechanisms of Breast Cancer Metastasis”
- **2019-present:** Collaboration with Prof. Wolozin Benjamin as Visiting Research at the Department of Pharmacology and Experimental Therapeutics, Boston University School of Medicine, Boston, MA 02118, USA. Research topic: “RACK1 role in ribosomal function and neurodegeneration”.
- **2017-present:** Research Fellow at the Department of Drug Sciences, University of Pavia, Italy. Research topic: “Functional analysis of RACK1 and its associated protein in cancer and neurodegeneration”.
- **2016-2017:** Post-Doctoral Fellow at the Department of Drug Sciences, University of Pavia, Italy. Research topic: “RACK1 role in immunosenescence and immunotoxicology”.
- **2015-2016:** Post-Doctoral Fellow at IRCCS San Raffaele Hospital and Vita-Salute San Raffaele University, Milan, Italy. Research topic: “Functional analysis of liprin-alpha and liprin-associated molecule in tumor cell migration and invasion *in vitro* and *in vivo*”.
- **2012-2015:** Medical copywriter and scientific writer in respiratory and cancer drug therapies at McCann Complete-Medical, Milan, Italy
- **2010-2011:** Post-Doctoral Fellow at the Department of Drug Sciences, University of Pavia, Italy. Research topic: “Immunosenescence: contribution of RACK1 expression”.
- **2007-2010:** PhD student at the Department of Drug Sciences, University of Pavia, Italy.

EDITORIAL ACTIVITIES

- **November 2021 - present:** MDPI -Cells - Guest Editor of Special Issue: "Cellular Senescence in Age-Related Diseases: Molecular Bases and Therapeutic Interventions II".
- **July 2020 – October 2021:** MDPI -Cells - Guest Editor of Special Issue: "Cellular Senescence in Age-Related Diseases: Molecular Bases and Therapeutic Interventions".
- **October 2020 – March 2021:** Oxidative Medicine and Cellular Longevity- Guest Editor Special Issue on New Therapeutic Approaches Against Inflammation and Oxidative Stress in Neurodegeneration
- **July-December 2021:** Frontiers in Cellular Neuroscience, - Guest Editor in Non-Neuronal Cells – “Cellular Stress Response and Inflammation: Novel Actors and Strategies For Neuroprotection in Aging, Neurodegenerative Disorders and Longevity”

SCIENTIFIC SOCIETIES

- Società Italiana di Farmacologia (SIF)
- Associazione di Biologia Cellulare e del Differenziamento (ABCD)

FUNDINGS

- **PRIN 2020 (202039WMFP):** Co-applicant in the Unipv Research Unit - Project: "New interventional approaches on multiple inflammatory pathways involved in regeneration after trauma and aging- associated diseases". PI: Salvatore Cuzzocrea (University of Messina, Italy).
- **PRIN 2017 (2017B9NCSX):** Co-applicant in the Unipv Research Unit - Project: "Study of the crosstalk between multiple pathways in the regulation of inflammatory processes in models of chronic and degenerative diseases". PI: Salvatore Cuzzocrea (University of Messina, Italy).
- **PRIN 2017 (2017MLC3NF)** Participant as supervisor in the Unipv Research Unit - Project: "Endocrine disruptors: investigation of the effects on the immune system and nervous system (EDoNIS)". PI: Professor Emanuela Corsini (University of Milan, Italy).
- **2016-2019** Participant as supervisor in the research project entitled "Aging in Health: a project with the elderly for the elderly" funded by Universitiamo Grant. PI: Prof. Marco Racchi (University of Pavia, Italy).
- **2016-present** Participant as supervisor in the project aimed to study the role of RACK1 and its associated transduction pathways in the mechanisms of aging and cancer funded by Aboca S.p.A. PI: Prof. Marco Racchi (University of Pavia, Italy).
- **2009-2012** Participant as supervisor in the Unipv Research Unit – Project: "Skin immunosenescence: contribution of RACK1 expression" funded by L'Oréal. PI: Professor Emanuela Corsini (University of Milan, Italy).
- **PRIN 2009 (20094CBRCL_002):** Participant as supervisor in the Unipv Research Unit - Project: "Glucocorticoid and leukocyte activation-associated signal transduction pathways: role in autoimmune diseases." PI: Prof. Marco Racchi (University of Pavia, Italy).
- **CARIPLO 2008-2013:** Participant in the Unipv Research Unit - Project: "Physiological functions of Alzheimer's disease amyloid protein precursor: platelets and neurons as cellular models of study" PI: Prof. Marco Racchi (University of Pavia, Italy).

RECENT AND SELECTED ORAL PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONGRESSES

- **ESTIV 2022:** Title: "Immunological implications of Endocrine Disrupting Chemicals (EDCs): RACK1 as a bridge between the endocrine and the immune systems". 21st International Congress of the European Society of Toxicology *In Vitro* (ESTIV), November 21st-25th, 2022, Barcelona-Sitges, Spain.
- **SIF 2022:** Title: "Oxoeicosanoid Receptor 1 (OXER1) emerging role as a promising druggable target in Triple Negative Breast Cancer (TNBC) ". 41°Congresso Nazionale della Società Italiana di Farmacologia (SIF), November 16th-19th, 2022. Roma, Italy.
- 2nd International Conference on Neuroprotection by Drugs, Nutraceuticals, and Physical Activity - Virtual Edition. Title: "Resilience to chronic stress is promoted by the coupling of RACK1 with the beta isoform of the glucocorticoid receptor". December 9th-10th, 2021. On-line event.
- **SIF 2021** Title: "Druggable target Oxoeicosanoid Receptor 1 (OXER1) and its RACK1-associated pathway in breast cancer progression". 40°Congresso Nazionale della Società Italiana di Farmacologia (SIF), March 9th-13th, 2021. Digital Edition.
- **ERGECD-ITCASS 2021** - Title: "Effects of endocrine disrupting chemicals (EDCs) on RACK-1 expression and their immunological implications", (The 29 edition of the European Research Group on Experimental Contact Dermatitis (ERGECD) Meeting is joined for the first time with the 10 edition of the Immunotoxicology and Chemical Allergy Specialty Section (ITCASS) Meeting), February 3rd-5th, 2021. On-line event.

Publications; **29**

Citations: **499**

H-index: **14**

(Source: Scopus)

24-01-2023