

PERSONAL INFORMATION

Roberta Ricciarelli



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Sex female | Date of birth 18/07/1968 | Nationality Italian

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☒ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

2017-present	National Scientific Qualification for the position of Full Professor of General Pathology (Academic Field 06/A2, General Pathology and Clinical Pathology).
2015-present	Associate Professor of General Pathology, School of Medical and Pharmaceutical Sciences, Department of Experimental Medicine, General Pathology Unit, University of Genoa.
2012-present	Board member of the PhD Program of Experimental Medicine, Curriculum of Molecular and Cellular Pathology of Aging-Related Diseases, University of Genoa.
2013-2016	Elected Member of the Joint Education Committee, School of Medical and Pharmaceutical Sciences, University of Genoa.
2002-2015	Assistant Professor of General Pathology, School of Medical and Pharmaceutical Sciences, Department of Experimental Medicine, General Pathology Unit, University of Genoa.
1999-2001	Assistant Professor of Biochemistry and Molecular Biology, Institute of Biochemistry and Molecular Biology, University of Bern, Switzerland.

EDUCATION AND TRAINING

1999	PhD in Biology and Pathology of Ageing, University of Genoa.
1996-1998	PhD Fellow, Institute of Biochemistry and Molecular Biology, University of Bern, Switzerland.
1994-1998	PhD student of the course of Biology and Pathology of Ageing, University of Genoa.
1993-1994	Post-graduate training in the Biochemistry Laboratory of the General Pathology Institute, University of Genoa.
1994	National qualification for the profession of biologist.
1993	Master's degree in Biology, University of Genoa.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (CEFR C1)

Job-related skills Research Unit Leader.
Extensive experience in the field of molecular and cell biology.
Main research lines:

- Mechanisms related to the deposition of amyloid-beta peptides and the pathogenesis of Alzheimer's disease.
- Role of amyloid-beta and cyclic nucleotides (cAMP and cGMP) in memory formation.
- Age-dependent molecular changes occurring during in vitro and in vivo senescence, with particular interest on signal transduction.
- Molecular events in the pathogenesis of atherosclerosis.

ADDITIONAL INFORMATION

Scientific production Top Italian Scientist (<http://www.topitalianscientists.org/top-italian-scientists>)
Complete list of publications: <https://www.ncbi.nlm.nih.gov/pubmed/?term=ricciarelli+r>.
Bibliometric indices:
h-index: 37 (Scopus)
Citations: over 5,000 (Scopus)

Patents Patent WO2015/121212: New compounds having a selective PDE4D inhibiting activity.
Patent P024493IT-01//CAT/lm:
Composti per prevenire e/o trattare la fibrosi conseguente alla chirurgia filtrante del glaucoma

Fellowships and prizes 1996. ERASMUS summer fellowship
1997. UNESCO fellowship
1998. FEBS fellowship
1999. HERMES VITAMIN AWARD for the work: "Protein kinase C, collagenase, α -tocopherol and skin aging"
1999-2001. TELETHON-Italy fellowship for Italian scientists in foreign laboratories
2003. YOUNG INVESTIGATOR AWARD by the International Society for Free Radical Research

Editorial activity Associate Editor of the *Journal of Alzheimer's Disease* (2012).
Guest Editor of *IUBMB Life* (2012).
Editorial Board Member of *Mechanisms of Ageing and Development* (from 2016 to 2020).
Associate Editor of *IUBMB Life* (from 2017).
Editorial Board Member of *Advances in Redox Research* (from 2021).
Editorial Board Member of *Molecular Aspects of Medicine* (from 2021).
Editorial Board Member of *Biofactors* (from 2021).

Reviewer activity Foreign expert chosen by the French Agence Nationale de la Recherche (ANR) for the evaluation of scientific projects of national importance.
Foreign expert chosen by the Science Foundation Ireland (SFI) for the evaluation of scientific projects of national importance.

Official Reviewer of several scientific journals such as Journal of Alzheimer's Disease, Neuroscience, Neurochemistry International, Free Radical Biology and Medicine, Brain Research, Biochimica et Biophysica Acta, FEBS Letters, etc.

Registered in the MUR Register of Expert Peer-Reviewers for Italian Scientific Evaluation (REPRISE).

Memberships

Società Italiana di Patologia e Medicina Translazionale (SIPMeT).

Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART).

Funded research projects

2022-2024. Financing body: Ministero della Salute-Ricerca Corrente/IRCCS Policlinico San Martino di Genova. Title: Caratterizzazione del ruolo dell'autofagia e di secondi messaggeri nel declino sinaptico in corso di malattie neurodegenerative cerebrali. Possibile modulazione farmacologica con finalità terapeutica. Role: Co-investigator

2014-2016. Financing body: Università degli Studi di Genova. Title: Ruolo della risposta antiossidante nello sviluppo della chemioresistenza nel neuroblastoma ad alto rischio. Role: Principal investigator.

2013-2015. Financing body: Università degli Studi di Genova. Title: Il ruolo del cAMP e della beta-amiloide nei processi di formazione della memoria e nella patogenesi della malattia di Alzheimer. Role: Principal investigator.

2013-2015. Financing body: Fondazione CARIGE. Title: Il ruolo del cAMP e della beta-amiloide nei processi di formazione della memoria e nella patogenesi della malattia di Alzheimer. Role: Co-investigator.

2011-2014. Financing body: American Alzheimer's Association. Title: PDE4D selective inhibitors for the treatment of memory impairment. Ruolo: Co-investigator.

2011-2013. Financing body: MIUR-PRIN. Title: Regolazione redox di processi metabolici coinvolti nella senescenza cellulare e malattie correlate all'età. Role: Co-investigator.

2010-2012. Financing body: Università degli Studi di Genova. Title: Studio dei meccanismi molecolari alla base della malattia di Alzheimer. Role: Principal investigator.

2008-2010. Financing body: MIUR-PRIN. Title: Meccanismi redox di segnalazione cellulare coinvolti nella genesi di malattie associate a stress ossidativo. Role: Co-investigator.

2008-2010. Financing body: Università degli Studi di Genova. Title: Studio della funzione biologica della proteina precursore della β -amiloide. Role: Principal investigator.

2007-2009. Financing body: Fondazione CARIGE. Title: Ruolo delle varianti geniche di PPARgamma nella patogenesi della malattia di Alzheimer. Role: Co-investigator.

2004-2006. Financing body: MIUR-PRIN. Title: Studio delle alterazioni molecolari e dei sistemi cellulari che regolano lo spettro fenotipico della malattia di Alzheimer e del normale invecchiamento cerebrale. Role: Co-investigator.

1999-2001. Financing body: Fondazione Telethon. Title: Genetic component at the basis of atherosclerosis. Role: Principal investigator.