

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **RICCARDI CARLO**
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Telephone
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Nationality **Italian**
Date of birth **3 October 1949**

WORK EXPERIENCE

2014-2018 **Member, Nominating Committee, IUPHAR**
2013-present **President, Italian College of Pharmacology**
2013-present **Director, Department of Medicine, University of Perugia**
2012-present **Member of Executive Committee, Immunopharmacology Section of IUPHAR**
2011-2013 **Past-President, Italian Society of Pharmacology (SIF)**
2009-2011 **President, Italian Society of Pharmacology (SIF)**
2007-2009 **President-elected, Italian Society of Pharmacology (SIF)**
2004-2014 **Member, Ethical Committee of the "Istituto Superiore di Sanità (ISS)", Rome**
2002-present **Director of Section of Pharmacology, Toxicology and Chemotherapy, Dept. of Clinical and Experimental Medicine, University of Perugia**

1999-2001 **Board Member, Italian Society of Pharmacology (SIF)**
1997-2002 **Deputy-Member, "EMA Management Board", Bruxell**
1997-2002 **Member, "Commissione Consultiva per gli Alimenti Speciali", Italian Ministry of Health**
1993-2001 **Director, Dept. of Clinical and Experimental Medicine, University of Perugia**
1996-1998 **Member, "Commissione Uninica del Farmaco (CUF)", Italian Ministry of Health**
1985-1995 **Board Member of International Society of Natural Immunity**
1992-1995 **Board Member and Deputy-President, "Gruppo di Cooperazione in Immunologia" (GCI, now Italian Society of Immunology)**

1990-1992 **Director, Institute of Pharmacology, University of Perugia**
1990-present **Full Professor of Pharmacology, Perugia University Medical School, University of Perugia**
1982-1990 **Associate Professor of Pharmacology, Perugia University Medical School, University of Perugia**

1981 **Consultant, National Cancer Institute, N.I.H., Bethesda, Maryland, U.S.A.**
1978 **Guest Visitor, Laboratory of Immunodiagnosis, N.C.I., N.I.H., Bethesda, Maryland, U.S.A.**
1978 **Award by "International Union Against Cancer"**
1977-1982 **Assistant Professor, Institute of Pharmacology, University of Perugia, Perugia, Italy**
1975-1976 **Research Associate, Dept. of Pathology, State University of New York at Buffalo, Buffalo, N.Y., U.S.A.**

- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

Università degli Studi di Perugia, P.za Università 1, 06122 Perugia
University
Full Professor of Pharmacology, Perugia University Medical School, University of Perugia
Research and teaching

EDUCATION AND TRAINING

1988 Medical Degree and Medical Board, Perugia University Medical School, University of Perugia
1973 Degree in Pharmacy, School of Pharmacy, University of Perugia

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE **Italian**

OTHER LANGUAGES **English**

- Reading skills **Excellent**
- Writing skills **Excellent**
- Verbal skills **Excellent**

SOCIAL SKILLS AND COMPETENCES

He is continuously involved in interaction with other people in the laboratory. In fact the Section includes two Full professors, four Associate Professors, one researcher, two technicians, one administrative, five Ph.D. students, two fellowship students and several students preparing their degrees. Moreover as he has been involved in responsibility offices, such as Department Director, President of the Italian Society of Pharmacology and others he is able to organize and to work in collaboration with scientists and administratives.

ORGANISATIONAL SKILLS
AND COMPETENCES

TECHNICAL SKILLS
AND COMPETENCES

He has been and still is responsible of several Projects financed by Italian Government, including PRIN, FIRB and Finalized Projects. He has been and still is responsible of Projects financed by "Associazione Italiana per la ricerca sul Cancro" (AIRC). He has been Director of Department of Clinical and Experimental Medicine for eight years, Member of the Board of Directors of the University of Perugia for 7 years and President of the Italian Society of Pharmacology. Since 2014 is member of Senate of University of Perugia.

SCIENTIFIC ACTIVITY

At the beginning of his career, he studied the natural immune response by giving proof of in vivo activity and role of Natural Killer (NK) cells as well of the potential immunotherapeutic efficacy of in vivo NK cells transfer. Moreover, he pioneered the studies on NK cells in vitro and in vivo development, starting from the medullar precursors. He also studied the regulatory activity of suppressor cells, cytokines and interferon inducers on NK cell activity.

Thereafter, he has started a new line of research that deals with the molecular mechanisms underlying the activity of Glucocorticoids (GCs), which represents an important class of drugs essential in the pharmacological therapy of autoimmune/inflammatory and degenerative diseases, transplants and tumors. In particular, he studied the anti-inflammatory mechanisms of GCs and their role in the control of T lymphocytes activation/proliferation and apoptosis.

During his studies, he cloned and characterized two genes that are induced by glucocorticoids, Glucocorticoid-induced leucine zipper gene (GILZ) and Glucocorticoid-induced Tumor Necrosis Factor Receptor (TNFR) family related gene (GITR). GILZ presents peculiar aminoacidic domains that allow the binding to other important proteins, like NF- κ B, a crucial transcription factor that controls inflammation and regulate cell death and survival, and Ras/Raf, proteins that are involved in the regulation of cell proliferation and survival. He also investigated the molecular basis of the binding with NF- κ B, leading to discovery of GILZ region involved in such binding. In addition, he found that GILZ and its recently discovered isoform Long-GILZ (L-GILZ) bind and regulate MyoD/HDAC1 transcriptional activity in the skeletal muscle tissue, therefore mediating the anti-myogenic effect of GCs. L-GILZ is also involved in control of cell differentiation such the case of spermatogonia stem cells maintenance and differentiation. Moreover, he has demonstrated the GILZ role in mediating T cell differentiation and the anti-inflammatory effects of GCs, and the therapeutic efficacy of fusion protein and related peptides in cure of inflammatory disease models.

The other cloned gene, GITR, which belongs to the TNFR superfamily, was shown to be involved in activation and survival of effector T lymphocytes (CD4+ and CD8+) and T regulatory lymphocytes during the immune/inflammatory response. Using a number of mouse models of auto-immune/inflammatory diseases demonstrated that GITR-derived signals in different T cell subpopulations contribute to the development of the immune/inflammatory response and control the onset and development of autoimmune and inflammatory diseases.

Moreover, he also contributed to define the GITR role in the regulation of neuronal plasticity. Finally he has demonstrated the anti-inflammatory effect of GITR and GILZ fusion proteins in vivo in models of inflammatory/autoimmune diseases.

He is able to organize and work with all the techniques necessary for cellular and molecular biology experiments (including computers analysis). This capability has been acquired during the years in different laboratories in U.S.A. and Italy

PUBLICATIONS AND CONGRESSES

Prof. Riccardi is author of more than 230 publications including articles in peer reviewed international journals and scientific books. He participated to numerous congresses and meetings worldwide as invited speaker and/or chairman for his competences in Pharmacology, Inflammation and Immunology, Glucocorticoids, Apoptosis, Cell Growth Regulation, GILZ and GITR. He is member of the Editorial Board and referee of many international scientific Journals.

OTHER SKILLS

AND COMPETENCES

Competences not mentioned above.

TEACHING ACTIVITY

He is full professor of Pharmacology at the Perugia University Medical School. He also teaches Pharmacology at the Faculty of Biotechnologies. He is Director of the PhD School program in "Biotechnology" at the University of Perugia. He is also teacher also in many Specialization Schools.