

Curriculum Vitae

Prof. Bruno Giardina

Place of birth: Palermo, June 17, 1945.

Graduated in Chemistry (Chemistry-Physics branch) in 1969 at the University “La Sapienza” of Rome and started his academic career as assistant professor of Molecular Biology at the Faculty of Mathematics, Physics and Natural Sciences at the University of Camerino.

In 1971 he is entitled professor of “Molecular Biology” at the Faculty of Pharmacy at the same university. In 1974 he continued his academic career as Professor of Chemistry at the Faculty of Medicine and Surgery at the University “La Sapienza” of Rome, and as professor of Applied Biochemistry at the “La Sapienza” Specialized Training School of Sports Medicine.

1980 – 1982 - Professor of “BioChemistry” at the Faculty of Mathematics, Physics and Natural Sciences, University of Cagliari.

1983 – 1984 - Professor of “Applied BioChemistry” at the Faculty of Medicine and Surgery at the “Tor Vergata” University, Rome.

1985 - Professor of “Chemistry and BioChemistry” and head of the Department of Experimental Medicine and Biochemical Sciences at the University “Tor Vergata”, of Rome.

1991-2015 - Professor of Biochemistry and Coordinator of the Integrated cycle of “BioChemistry” at the Faculty of Medicine and Surgery at the Catholic University “Sacro Cuore” in Rome.

1993-2015 - Head of the “CNR” center for the study of Chemistry of Molecular Recognition. – Head of the, Clinical biochemistry Laboratory at the “Policlinico Gemelli” hospital.

2004 - 2015 - Head of the Department of Laboratory Medicine at the “Policlinico Gemelli” hospital in Rome and head of the Specialized Training School of Biochemistry and Clinical Biochemistry.

2006–2009 - Member of the Administrative Board and member of the Supervisory Board of the Catholic University “Sacro Cuore”.

2010-2015 - Delegate of the Rector for the Coordination and Promotion of Research at the Catholic University “Sacro Cuore”.

2013-2015 - President of the Italian Society of BioChemistry and Molecular Biology.

October 1, 2014 - Rector of the Catholic University “Our Lady of Good Counsel” in Tirana, Albania.

Besides his academic career, Bruno Giardina has published over 480 research articles in highly qualified international journals.

H - index = 38 (Source: ISI WEB OF KNOWLEDGE)

His present interests can be summarized as follows:

- Chemical and physical basis of biological regulation at molecular level.
- Structural and functional properties of human erythrocytes in pathological and physiological conditions.
- Spectroscopic studies in individual cells.
- The Application of fast kinetic techniques in the study of reaction mechanisms of biological macromolecules (Stopped flow; Flash Photolysis; T- Jump).
- Monoclonal antibodies as possible biological indicators (biosensors, etc.)
- Biochemical activity of drugs in organs “in toto” and in isolated cells.
- Chemically modified hemoglobins as possible blood substitutes.
- Oxygen transport proteins (hemoglobin, hemocyanin, etc.): molecular adaptation to extreme life conditions.
- Lipid metabolism.
- Oxygen radicals and their biological effects.
- “NMR” spectroscopy applied to the study of metabolic mechanisms.