

## XXII NATIONAL CONGRESS OF BIOCHEMISTRY

### Next-Gen Biochemical Challenges Across Borders

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Master in Biological Sciences (1986) and PhD in Physiology (1990). Researcher (1990-2001), Associate Professor (2001-2008) and Full Professor (2008-present) of Physiology at the University of Bari. Research fellowships: Univ. Bari (1986) and CEA-Saclay, France (1986-1987). Post-doc (1994-1995) and Visiting Assistant Professor (1996-1999) at the laboratory of Prof. Peter Agre (2003 Nobel Prize in Chemistry) at the Johns Hopkins University in Baltimore (Md, USA). Visiting Professor at the University of Rennes (France) in 1999 and 2002. Associate Editor and Editorial Board/Academic Editor/Guest Editor of several international scientific journals. Reviewer for numerous scientific journals. Panellist of several international funding agencies of scientific research. Member of several national and international scientific societies and committees. Coordinator of a Network of Public Research Laboratories (WAFITECH) since 2009. Among his major scientific achievements, the discovery of the first Aquaporin water channels in microorganisms and in mitochondria. He works on the biophysical properties of transport, role, regulation and drug target relevance of AQPs in metabolic homeostasis and energy balance, inflammatory response and sepsis. He is author of >180 scientific publications and a university textbook of Physiology.