

## ***Vittorio Ricci, MD, PhD***

*Current academic position:* Full Professor

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ITALY.

### *Education*

1986	MD ( <i>summa cum laude</i> )	University of Pavia
1990	PhD in Physiology	University of Pavia
1995	Specialist in Internal Medicine ( <i>summa cum laude</i> )	University of Pavia

### *Academic experience*

1993-1994	Lecturer of Cell Biology	University of Pavia Medical School
1994-2004	Assistant Professor of Physiology	University of Pavia Medical School
1998-1999	Visiting Scientist	Institut National de la Santé et de la Recherche Médicale (INSERM), Nice, France
2005-2010	Associate Professor of Physiology	University of Pavia Medical School
2006	Visiting Professor	University of Nice-Sophia Antipolis (France)
2011-present	Full Professor of Physiology	University of Pavia Medical School

### *Memberships in scientific societies*

- American Gastroenterological Association
- American Physiological Society
- International Union of Pharmacology (IUPHAR) – GI Pharmacology Section
- Italian Physiological Society

### *Administration and Boards*

1997-present *Ad hoc* reviewer for the following internationally-recognized scientific journals:

- Archives of Medical Research
- Apoptosis
- Biochemical and Biophysical Research Communications
- Biochemical Journal
- BMC Microbiology
- Cellular and Molecular Biology
- Current Medicinal Chemistry
- Diagnostic Microbiology and Infectious Disease
- Digestive and Liver Disease
- FEBS Letters
- Folia Biologica
- Gastroenterology
- Gut
- Helicobacter
- Histology and Histopathology
- International Journal of Medical Microbiology
- International Journal of Molecular Sciences
- IUBMB Life
- Journal of Laboratory and Clinical Medicine
- Journal of Medical Microbiology
- Life Sciences
- Microbes and Infection
- Microbial Pathogenesis
- Nature Reviews Microbiology
- PLoS ONE

- 2003-2007 Member of the Steering Committee for the academic recruitment at the University of Pavia Medical School
- 2005-2010 Member of the Steering Committee for the academic libraries of the University of Pavia
- 2009-present Member of the Editorial Board of the World Journal of Gastrointestinal Oncology
- 2010-present Member of the Editorial Board of the World Journal of Gastroenterology
- 2010-present Member of the Steering Committee of the Central Instrumentation Facility of the University of Pavia
- 2011 Expert Evaluator for the Research Promotion Foundation of the Republic of Cyprus (National research funding action “Public Health” of the “Health and Biological Sciences” Programme)
- 2011 Expert Evaluator of research grant applications for the Seventh Framework Programme (FP7) of the European Commission
- 2012-2013 Reviewer for the Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR), Program for the Evaluation of Research Quality 2004-2010 (VQR 2004-2010)

### Scientific interests:

Prof. Ricci's scientific interests have always been focused on the physiology and pathophysiology of gastrointestinal tract. Since 1991, in a close collaboration with national and foreign leading research centres, he has mainly been studying the molecular cross-talk between *Helicobacter pylori* and human gastric mucosa both *in vivo* and in human gastric epithelial and non-epithelial cells in culture. In particular, significant efforts have been devoted to study a) the molecular mechanisms of cell internalization, intracellular trafficking and injuring action of VacA toxin, and b) the mechanisms of pathogen/host interplay leading to the typical immune and inflammatory responses as well as carcinogenesis occurring in *H. pylori* infection.

Since 2009, he has been expanding his research interests to the molecular cell biology of the ubiquitin-proteasome system in physiological and pathological conditions and to the molecular mechanisms through which nanoparticles interact with and are internalized by human cells.

Prof. Ricci's publication record includes: a) 64 full papers in peer-reviewed journals (original papers and invited reviews), b) 1 monograph, c) 11 book chapters, d) 91 meeting abstracts and proceedings.

Prof. Ricci has been invited to present the results of his studies at many national and international meetings of Physiology, Pathophysiology, Gastroenterology, and Cellular Microbiology.

### Funding:

- Since 2000, as a Chief of Research Unit, Prof. Ricci has been regularly financed by the Italian Ministry for University and Research (MIUR) with several two-year PRIN research grants
- In 2011, as a Principal Investigator, he has been financed by Cariplo Foundation with grants for two independent research projects: "Molecular mechanisms of *Helicobacter pylori* interplay with epithelial and non-epithelial cells of human gastric mucosa leading to immune-inflammatory response and carcinogenesis: a combined *in vitro* and *in vivo* study" and "Interaction between nanoparticles and human cells: mechanisms of internalization and action on cell mitosis. Investigating *in vitro* a possible link to genomic instability and cancer", respectively
- In 2012, as a Principal Investigator, he has been financed by the Fondazione Banca del Monte di Lombardia for his research program on nanoparticle interaction with human cells.
- In 2012, as a Chief of Research Unit, he has been financed by the Italian Ministry of Health for the three-year research project "Mutations in *ANKRD26* cause a "novel" inherited thrombocytopenia at risk of developing acute leukemia: dissecting the clinical and molecular consequences of *ANKRD26* mutations to better understand the mechanisms of both thrombocytopenia and leukemia"