

ANAGRAPICAL DATA AND CURRENT POSITION

DOMENICO GIRELLI



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| **Place and date of birth** Verona, March 6, 1960 | **Work Address:** Department of Medicine, University of Verona, Policlinico G.B. Rossi, 37134 Verona, Italy | **Nationality** Italian.

CURRENT POSITIONS

- Full Professor of Internal Medicine, University of Verona, Italy.
- Chief of Internal and Emergency Medicine Clinical Unit, University Hospital of Verona.
- Director of the Post-Graduate School of Emergency-Urgency, University of Verona

EDUCATION

- 1985: MD degree, summa cum laude, University of Verona.
- 1993: Ph.D. in Experimental Hematology, University of Milan.
- 2001: Board Certified Specialist in Internal Medicine, University of Verona.

CLINICAL and INSTITUTIONAL ACTIVITY (→ = current)

- 1986-1993: Fellow, Internal Medicine, Department of Medicine, University of Verona.
- 1993-2004: Assistant, Internal Medicine, Azienda Ospedaliera Universitaria Integrata Verona (AOUI-VR).
- 2003-2005: Volunteer at the “Claudio Benati” Hospital, Zumbahua, Cotopaxi, Ecuador (one month each year)
- 2005-2012: Associate Professor of Internal Medicine, University of Verona.
- 2011→: Head of the Multidisciplinary Team for Iron Disorders of AOUI-VR - Veneto Region Referral Centre.
- 2012→ Full Professor of Internal Medicine, Department of Medicine, University of Verona

- 2016-2024: Member of the Advisory Board, Cariverona Foundation.
- 2016→: Local Coordinator of the AOUI-VR Multidisciplinary Team on Rare Hematological Disorders, official partner of the European Reference Network (ERN) “EuroBloodNet” appointed by EU Commission.
- 2018→: Director, Internal-Urgency Medicine Clinical Unit, Verona University Hospital (AOUI-VR).
- 2018→: Director, School of Specialization in Emergency and Urgency Medicine, University of Verona.
- 2024→: Director of the Department of Medicine, University of Verona

Teaching

- University of Verona, Faculty of Medicine and Surgery
 - Degree Course in Medicine and Surgery, Internal and Emergency Medicine (2005→)
 - School of Specializations in Internal and Emergency Medicine (2002→)
 - Doctoral Program (Ph.D) in Clinical Proteomics and Biomolecular Medicine (2004→)
 - Degree Course “Biology for Translational Research and Precision Medicine: Omics Science in Precision Medicine: (2023→).

Further details: <http://www.dm.univr.it/?ent=persona&id=1736>

Scientific Societies

- American Society of Hematology - Member of the Scientific Committee on Iron and Heme (2017-2020).
- BIOIRON - International Society for the Study of Iron in Biology and Medicine - Member of the “Board of Directors” and Treasurer (2015-2019).
- European Society of Hematology - Member of the Advisory Board and Scientific Program Committee for the Annual Meeting - (2015-2024).
- Italian Society of Internal Medicine. Member of the National Board - Secretary (2017-2021).
- EFAPH (European Federation of the Associations of Patients with Hemochromatosis) – Hemochromatosis International: Member of the Scientific Committee (2016→).
- World Health Organization (2021→): Member of the Working Group on Development of Guidance for Implementation of Patient Blood Management into health care; Consultant for the implementation of pregnancy and postpartum intravenous iron in middle- and low- income countries and for the project “Improving Estimates of Anemia in Global Burden of Disease research project”. <https://apps.who.int/iris/bitstream/handle/10665/346655/9789240035744-eng.pdf>

Editor/Reviewer activity

- Associate Editor: Internal and Emergency Medicine
- Editorial Board Member: HemaSphere, International Journal of Molecular Science, Frontiers in Pharmacology, Frontiers in Physiology.
- Reviewer for: Blood, Nature Genetics, Nature Medicine, Journal of Clinical Investigation, Circulation, Journal of the American College of Cardiology, European Heart Journal, British Journal of

Haematology, Thrombosis and Haemostasis, Journal of Hepatology, American Journal of Hematology, Hepatology.

- Revisore di progetti di ricerca per istituzioni straniere (NIAA, Gran Bretagna; Swiss National Science Foundation, Svizzera) e nazionali (MIUR)

Research Areas

- Iron Metabolism, Anemias
- Rare Diseases
- Genomics of Cardiovascular Diseases.

Good Clinical Practice Certificate no. 07372fe7-0995-4d1f-bdcb-f1973124f28f (released by da The Global Health Network).

Principal ongoing research projects funded by the Italian Ministry of Health:

- CO-2016-02361206 “Management of preoperative anemia in surgical oncology as a tool to reduce blood transfusion need”. (Principal Investigator – budget 300.000 €).
- PNRR-MAD-2022-12375871 “Persistent, aberrant myelopoiesis as etiological factor for chronic illness and metastatic disease”. (Responsabile di Unità di Ricerca - budget 300.000 €).
- PNRR-MCNT2-2023-12378345 “Anemia and clonal hematopoiesis in the elderly. Clinical implications”. (Principal Investigator – budget 1.000.000 €)
- Member of the working group of the project “Improving Estimates of Anemia in Global Burden of Disease” at IHME (*Institute for Health Metrics and Evaluation*).
- Main research achievements in the iron field: first clinical and molecular descriptions of the Hereditary Hyperferritinemia Cataract Syndrome (1995), and of HAMP-related Hemochromatosis (2003, coordinated by Clara Camaschella). Development of an assay for hepcidin in blood and urine. Coordinator of the BIOIRON Committee for Nomenclature of Hemochromatosis.
- Invited speaker at numerous national and international Meetings, including American Society of Hematology, International Bioiron Society, European Hematology Association, European Iron Club, European Society for Clinical Investigation, Société Française d'Hématologie.

Publications

- Author of over 330 full-length publications indexed in PubMed. Complete list at: <https://www.ncbi.nlm.nih.gov/myncbi/1x5hQQq-zai5X/bibliography/public/>
- Relevant publications not indexed in PubMed:
 - **UpToDate**® chapters: “Clinical manifestations and diagnosis of hereditary hemochromatosis”; “HFE and other hemochromatosis genes”; “Management and prognosis of hereditary hemochromatosis”; “Gene test interpretation: HFE (hereditary hemochromatosis gene)”; “Patient education: Hereditary hemochromatosis (Beyond the Basics)”.
 - Chapter “Iron-related anemias: Iron Deficiency, Anemia of Inflammation and Anemia of Aging” of **The Harrison's Principles of Internal Medicine** 22nd Edition (along with Clara Camaschella; in press).

- “*The urgent need to implement patient blood management*”. **World Health Organization** (<https://www.who.int/publications/i/item/9789240035744>).
- Included in public databases of “100,000 world's top scientists” (Ioannidis JPA, PLoS Biology 2019) e “Best Medicine Scientists” <https://research.com/scientists-rankings/medicine/it?page=8>
- ORCID: (<https://orcid.org/0000-0001-9684-1899>)
- h-index:
- Scopus: 71;
- Google Scholar: 86; Google Scholar <http://scholar.google.it/citations?user=0f39qBoAAAAJ&hl=it>

Verona July 7, 2024