

1. ANAGRAPHICAL DATA

CONTACTS Domenico Girelli



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- 🌐 web page: <http://www.dm.univr.it/?ent=persona&id=1736&lang=en>
- 🐦 Twitter: @digigi60

| 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 POSITION Full Professor of Internal Medicine, Department of Medicine, University of Verona, Italy. Director of Internal Medicine Clinical Unit, Verona University Hospital.

2. EDUCATION

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

3. POSITIONS/CLINICAL/INSTITUTIONAL ACTIVITY (→ = current)

- ✓ 1986-1993: Fellow, Internal Medicine Section, Department of Medicine, University of Verona.
- ✓ 1993-2004: Assistant, Division of Internal Medicine, Azienda Ospedaliera di Verona.
- ✓ 2003-2005: Volunteer at the "Claudio Benati" Hospital, Zumbahua, Cotopaxi, Ecuador (one month each year)
- ✓ 2005→2012: Associate Professor of Internal Medicine, Department of Medicine, University of Verona.
- ✓ 2009→: in charge of the Unit of Urgency Medicine, Policlinico G.B. Rossi, Verona.
- ✓ 2011→: Head of the Multidisciplinary Team for Iron Disorders of the Azienda Ospedaliera Universitaria Integrata Verona (AOUI-VR) - Veneto Region Referral Centre.
- ✓ 2012→ Full Professor of Internal Medicine, Department of Medicine, University of Verona
- ✓ 2016→: 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 Medicine Clinical Unit, Verona University Hospital (AOUI-VR).
- ✓ 2018→: Director, School of Specialization in Emergency and Urgency Medicine, University of Verona.

4. TEACHING

- University of Verona, Faculty of Medicine and Surgery

- Degree Course in Medicine and Surgery, Internal Medicine and Emergency Medicine (2005→)
- School of Specializations in Internal Medicine and Emergency Medicine (2002→)
- Doctoral Program (Ph.D) in Clinical Proteomics and Biomolecular Medicine (2004→)

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

5. MEMBERSHIP AND APPOINTMENTS IN INTERNATIONAL SOCIETIES

- ✓ American Society of Hematology (1999→) - Member of the Scientific Committee on Iron and Heme (2017-2020).
- ✓ BIOIRON - International Society for the Study of Iron in Biology and Medicine (2005→) - Member of the "Board of Directors" and Treasurer (2015→2019).
- ✓ European Society of Hematology - Member of the Advisory Board for the Annual Meeting - (2015→).
- ✓ Italian Society of Internal Medicine (2009→). Member of the National Board - Secretary (2017→).
- ✓ European Iron Club (2002→).
- ✓ 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

6. REVIEWER/EDITORIAL ACTIVITY

- ✓ Editorial Board Membership: Internal and Emergency Medicine (Associate Editor), International Journal of Molecular Science, Frontiers in Pharmacology, Frontiers in Physiology, HemaSphere, World Journal of Gastroenterology, Journal of Hematology, World Journal of Hepatology.
- ✓ Reviewer for: Nature Genetics, Journal of Clinical Investigation, Circulation, Blood, Journal of the American College of Cardiology, European Heart Journal, Haematologica, British Journal of Haematology, Thrombosis and Haemostasis, Journal of Thrombosis and Haemostasis, Diabetes Care, Journal of Hepatology, Internal and Emergency Medicine, American Journal of Hematology, European Journal of Internal Medicine, Journal of Medical Genetics.

7. MAIN INTERNATIONAL SCIENTIFIC COLLABORATIONS

- Prof. Tomas Ganz, Prof. Elizabeta Nemeth, David Geffen School of Medicine, UCLA, Los Angeles, CA.
- Prof. Sekar Kathiresan, Broad Institute MIT-Harvard University, Boston, MA.
- Dr. Patel Riyaz, Cardiovascular Sciences, University College, London
- Member of the following International Research Consortia:
 - MIGen (Mycardial Infarction Genetics) c/o BROAD Institute MIT-Harvard University, Boston, MA.
 - CARDIOGRAM (Coronary ARtery Disease O Genomewide Replication And Meta-analysis) c/o Wellcome Trust Sanger Institute, Cambridge, U.K.
 - MIGen-ExA (Exome Array) – NHLBI ESP (Exome Sequencing Project), National Institutes of Health, Bethesda.
 - GENIUS-CHD (the Genetics of subsequent Coronary Heart Disease)

8. RESEARCH TOPICS

- ✓ Iron Metabolism
- ✓ Cardiovascular Genomics

9. SCIENTIFIC ACHIEVEMENTS

- Iron Metabolism:

- First Author, description of clinical features and molecular basis of the Hereditary Hyperferritinemia Cataract Syndrome¹. Project funded by Telethon Italy.
- Co-Author, description of type 2B Hereditary Hemochromatosis due to mutation in the hepcidin gene².
- Co-Author, development of an assay for hepcidin in blood and urine^{3,4}. Project funded by Telethon Italy.
- Cardiovascular Genomics:
 - Founder of the Verona Heart Study (VHS) an ongoing, prospective study, which since 1996 have enrolled more than 2,500 subjects, and is mainly aimed to unravel the genetic basis of coronary atherosclerotic disease (CAD) and myocardial infarction (MI)⁵⁻¹¹.
 - Main selected references
 1. Girelli D, et al. *Blood* 1995; 86: 4050-4053
 2. Roetto A, et al. *Nature Genetics* 2003; 33: 21-2
 3. Ganz T, et al. *Blood* 2008; 112: 4292-7
 4. Girelli D, et al., *Blood* 2016; Apr 4 [Epub ahead of print]
 5. Girelli D, et al. *New England Journal of Medicine* 2000; 343: 774-80
 6. Kathiresan S, *Nature Genetics* 2009; 41:334-41
 7. Schunkert H, et al. *Nature Genetics* 2011; 43(4): 333-8
 8. Voight BF, et al. *Lancet* 2012; 380(9841): 572-80
 9. TG and HDL Working Group, *New England Journal of Medicine* 2014; 371:22-31
 10. Do R, et al. *Nature* 2015 518:102-6
 11. MIGEN and CARDIoGRAM Exome Consortia Investigators. *New England Journal of Medicine* 2016;374(12):1134-44.
- ✓ 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.

10. PUBLICATIONS AND BIBLIOMETRY INDICES

- ✓ Author/Co-Author of over 300 full length publications in international journals, including Nature, New England Journal of Medicine, Nature Genetics, Lancet, PNAS, Blood, Circulation, American Journal of Human Genetics, Gastroenterology. Complete list of publications at <http://www.dm.univr.it/?ent=persona&id=1736>
- ✓ Included in the public list of World's Top Scientists (Ioannidis JPA, PLoS Biology 2019)
- ✓ *h-index* according to main public resources:
 - Scopus: 64 (accessed March 1, 2021)
 - Google Scholar: 76 (accessed March 1, 2021)

11. FURTHER INFO

- Google Scholar <http://scholar.google.it/citations?user=0f39qBoAAAAJ&hl=it>
- University of Verona: <http://www.dm.univr.it/?ent=persona&id=1736&lang=it>
- Interdisciplinary Group on Iron Disorders, Verona University Hospital <http://www.gimferverona.org>
- EuroBloodNet: <https://www.eurobloodnet.eu/members.php>
- PubMed: <https://www.ncbi.nlm.nih.gov/myncbi/collections/mybibliography/>