

PROF. NICOLA MARTINELLI

CURRICULUM VITAE ET STUDIORUM

PROF. NICOLA MARTINELLI

ACTUAL POSITION TITLE

- Associate Professor in Internal Medicine at University of Verona (Department of Medicine)
- Qualified as Full Professor in Internal Medicine (disciplinary field of 06/B1) at National Scientific Qualification – Abilitazione Scientifica Nazionale (ASN)
- Director of School of Postgraduate Specialisation in Emergency and Urgent Medicine at University of Verona, Italy

Web page at website of University of Verona:

<https://www.dm.univr.it/?ent=persona&id=2928&lang=en>

PERSONAL DATA AND QUALIFICATIONS

- Born in Trento at August 13, 1975.
- High School leaving certificate awarded after five years of "Liceo Scientifico" at Liceo Scientifico Statale "Galileo Galilei" in Trento (Italy) in the school year 1993/1994 with full marks (60/60).
- Medical Degree (M.D.) Certificate at University of Verona at July 10, 2000 with a first-class degree (110/110) with honours (*summa cum laude*), discussing the thesis "Determinanti genetico-ambientali dell'iperomocistemia in soggetti con o senza coronaropatia angiograficamente dimostrata" ("Genetic and environmental determinants of hyperhomocysteinemia in subjects with or without angiographically demonstrated coronary artery disease"), thesis supervisor Professor Roberto Corrocher.
- Qualification to Medical Doctor Activity at Verona University, in the first session of the year 2001.
- Registration in the Medical Association of the Trento Province, at no. 3443 of the Register, since 08/08/2001.
- Degree Certificate of Specialist in Internal Medicine ("Diploma di Specialista in Medicina Interna, indirizzo di Medicina Interna"), at University of Verona at November 15, 2005 with a first-class degree (50/50) with honours (*summa cum laude*), discussing the thesis "Omocisteina e mortalità dopo by-pass aorto-coronarico" ("Homocysteine and mortality after coronary artery bypass grafting"), thesis supervisor Professor Roberto Corrocher.
- Degree of Physician Doctorate (Ph.D.) in Clinical Proteomics at the University of Verona (XXI cycle) on May 13, 2009.
- University Researcher in Internal Medicine at the University of Verona from March 1, 2008 to September 30, 2017, first at the Department of Clinical and Experimental Medicine (2008-2009) and then at the Department of Medicine (2010-2017).
- Qualified as Associate Professor in Internal Medicine (disciplinary field of 06/B1) at National Scientific Qualification – Abilitazione Scientifica Nazionale (ASN) – on April 6, 2017.
- Associate Professor in Internal Medicine at University of Verona (Department of Medicine) since October 1, 2017.

- Qualified as Full Professor in Internal Medicine (disciplinary field of 06/B1) at National Scientific Qualification – Abilitazione Scientifica Nazionale (ASN) – on June 4, 2021 (the validity of the qualification is nine years, starting from June 4, 2021 and will expire on the June 4, 2030)
- Assessed as eligible for the selection procedure for the position of full professor of Internal Medicine at University of Trento, Italy [Valutato idoneo alla procedura selettiva per n. 1 posto di professore ordinario settore concorsuale 06/B1 (MEDICINA INTERNA), SSD MED/09 (MEDICINA INTERNA) – Centro Interdipartimentale di Scienze Mediche – dell’Università di Trento. Data di pubblicazione: 22 Marzo, 2022; Ruolo: Professore ordinario; Dipartimento/Centro: CISMed - Centro Interdipartimentale di Scienze Mediche; Settore Concorsuale: 06/B1 - Medicina interna; Settore Scientifico-Disciplinare: MED/09 Medicina interna; Numero decreto: 225; Data decreto: 2 Marzo, 2022; Numero G.U.: 23; Data G.U.: 22 Marzo, 2022].
- Assessed as eligible for the selection procedure for the position of full professor of Internal Medicine at University of Verona, Italy [Valutato idoneo alla procedura selettiva per n. 1 posto di professore ordinario settore concorsuale 06/B1 (MEDICINA INTERNA), SSD MED/09 (MEDICINA INTERNA) – Cod. 2022po18001 – Dipartimento di Medicina dell’Università di Verona. Data di pubblicazione: 30 Gennaio, 2023; Ruolo: Professore ordinario; Dipartimento di Medicina; Settore Concorsuale: 06/B1 - Medicina interna; Settore Scientifico-Disciplinare: MED/09. Numero G.U.: 9; Data G.U.: 3 febbraio, 2023].
- From October 1, 2024, Director of School of Postgraduate Specialisation in Emergency and Urgent Medicine at University of Verona, Italy.

PROFESSIONAL ACTIVITY

- Resident Medical Doctor at the Institute of Internal Medicine B of the University of Verona, Polyclinic Hospital, from the academic year 2000/2001 to the academic year 2004/2005.
- Medical Doctor Specialist in Internal Medicine attending the Institute of Internal Medicine B of the University of Verona, Polyclinic Hospital, for the years 2006 and 2007.
- Ph.D. Student in Clinical Proteomics at the University of Verona, XXI cycle, from 2006 to 2008.
- University Researcher in Internal Medicine at the University of Verona from March 1, 2008 to September 30, 2017, first at the Department of Clinical and Experimental Medicine (2008-2009) and then at the Department of Medicine (2010-2017).
- Hospital Medical Doctor with full-time/exclusive employment relationship since August 1, 2008, at the Institute of Internal Medicine “B” at the Hospital "G.B. Rossi" in Verona.
- Associate Professor in Internal Medicine at University of Verona (Department of Medicine) since October 1, 2017.
- From October 1, 2024, Director of School of Postgraduate Specialisation in Emergency and Urgent Medicine at University of Verona, Italy.

CLINICAL ACTIVITY

- From 2001 to 2005 Resident Medical Doctor at the Internal Medicine B of the G.B. Rossi of Verona directed by prof. Roberto Corrocher with regular clinical activity in the ward, including active guard duty with medical advice and reception in the emergency room.
- From January 2006 to February 2008, paid freelance collaboration with Local Health Authority ULSS 20 of Verona at the Hospital of San Bonifacio – Institute of Internal Medicine - as part of the project "Prevention and treatment of diseases due to wrong lifestyles".
- From January 2006 to February 2008 paid freelance collaboration with the Clinical Research Center (CRC) of Verona for medical consultations as a Medical Doctor Specialist in Internal Medicine.
- Since August 2008, Hospital Medical Doctor at the Hospital of Verona with regular inpatient and outpatient clinical activity. The clinical activity was carried out at the Institute of Internal Medicine directed by prof. Roberto Corrocher and then by prof. Oliviero Olivieri at the Hospital “G.B. Rossi” in Verona.
Clinical activity involves regular management of inpatients and outpatients in Internal Medicine Institute, including active guard duty with consultancy and reception in the emergency room, high-specialization medical advices and consultancies, high-specialization outpatient activities. More precisely, the high-specialization medical activity concerns cardiovascular diseases, atherothrombosis, prothrombotic diathesis, and coagulation disorders.
- Since December 15, 2014, Hospital of Verona (Azienda Ospedaliera Univresitaria Integrata di Verona) conferred – in recognition of clinical and scientific skills – a high specialization role for diagnosis and therapy of blood coagulation pathology (Incarico di Alta Specializzazione “Diagnosi e terapia della patologia emocoagulativa”).

OVERALL SCIENTIFIC PRODUCTION

The most important part of the scientific production concerns:

- Genetics of coronary artery disease
- Gene-environmental interactions
- Atherosclerosis
- Thrombosis
- Apolipoproteins
- Fatty acids
- Coagulation pathways
- Coagulation biomarkers
- Thrombotic thrombocytopenic purpura and thrombotic microangiopathies

Chief analyst of the “Verona Heart Study” (VHS) and principal investigator of several VHS-related projects.

The scientific production in biological and life sciences currently consists of **>300 total contributions**, of which **n. 156 printed publications**, most of which classified with high impact factor (IF) by I.S.I. - Life Science, with **total 19,301 citations with h-index of 58 by Google Scholar** - verified as of April 29, 2025 (<https://scholar.google.com/citations?user=GvFxMyMAAAAJ&hl=en>).

Included in the list of Top Italian Scientists since 2014 - www.topitalianscientists.org

Further details at the web page of the website of University of Verona:

<https://www.dm.univr.it/?ent=persona&id=2928&lang=en#tab-pubblicazioni>

MAIN NATIONAL AND INTERNATIONAL SCIENTIFIC COLLABORATIONS

Nationals

- Prof. Francesco Bernardi, Department of Biochemistry and Molecular Biology, University of Ferrara: coagulation and ischemic heart disease, genetics of coagulation, coagulation and lipids
- Prof. Stefano Duga and Prof. Rosanna Asselta, Laboratory of Medical Genetics and RNA Biology, Humanitas University, Milano: genetics of ischemic heart disease
- Prof. Clara Camaschella, Division of Genetics and Cell Biology, Vita-Salute San Raffaele University, Milano: alterations in iron metabolism
- Prof. Maria Domenica Cappellini, Department of Clinical and Community Sciences, University of Milano: alterations in iron metabolism
- Prof. Maurizio Averna, Biomedical Department of Internal and Specialized Medicine, University of Palermo: genetics of dyslipidemias, lipids and ischemic heart disease, apolipoproteins
- Prof. Patrizia Maria Tarugi, Department of Life Sciences, University of Modena and Reggio Emilia: genetics of dyslipidemias, dyslipidemias and ischemic heart disease
- Prof. Claudio Franceschi and Prof. Paolo Garagnani, Department of Experimental, Diagnostic, and Specialty Medicine, University of Bologna: clonal haematopoiesis

- Prof. Peter Pramstaller and Dr. Cristian Pattaro, Eurac Research, Bolzano: iron metabolism, lipid metabolism and fatty acids
- Dr. Gerardo Musuraca, Cardiology, Rovereto Hospital (Trento), and Dr. Antonio Ferro, Local Health Authority of Trento (APSS Trento): ischemic heart disease

International

- Prof. Sekar Kathiresan, Center for Human Genetic Research at Massachusetts General Hospital, Cardiovascular Disease Initiative at the Broad institute, Harvard Medical School, Boston, Massachusetts, United States of America: genetics of ischemic heart disease
- Prof. Dan Tawfik, Department of Biological Chemistry, Weizmann Institute of Science, Rehovot, Israel: novel serum paraoxonase assays in ischemic heart disease
- Prof. Jordi Camps, Center de Recerca Biomedica, Hospital Universitari de Sant Joan, Reus, Catalonia, Spain: paraoxonase activity and iron disorders
- Prof. Riyaz Patel, University College London Hospitals & Barts Heart Center, London, United Kingdom: genetics of ischemic heart disease

Member of the following International Research Consortia:

- MIGen (Myocardial 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.
- GENIUS-CHD (Genetics of subsequent Coronary Heart Disease) – <http://www.genius-chd.com/>

RESEARCH PROJECTS

Web page at website of University of Verona:

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- **Participation with scientific and coordination responsibility in the following funded research projects (evaluated by peer review):**

- Principal Investigator of the project “REDISCOVERING COAGULATION FACTOR VIII CLEARANCE IN HEALTH AND DISEASE: FROM BLEEDING DIATHESIS TO THROMBOTIC COMPLICATIONS” funded by Italian Ministry of Research (MUR) PRIN 2022, Project Code: 2022XZBHYS.

- Head of Research Unit 2 in the context of the Cariverona 2016 research call “APPLICAZIONE DELLA SPETTROMETRIA DI MASSA NELLE MODALITÀ DELLA “TANDEM MASS SPECTROMETRY” (MS/MS) E DELLA “HIGH RESOLUTION MASS SPECTROMETRY” (HRMS) PER L’INDIVIDUAZIONE A LIVELLO MOLECOLARE DI SPECIFICI PATTERN FARMACO E TOSSICO-METABOLICI E DI BIOMARKER DI EFFETTO FARMACOLOGICO. VALUTAZIONE DELL’IMPIEGO DI TALE TECNOLOGIA ALLA PERSONALIZZAZIONE DELLA TERAPIA, IN RAPPORTO ANCHE ALL’ASSETTO FARMACOGENOMICO. STUDIO DI FATTIBILITÀ IN VISTA DELLA RAZIONALIZZAZIONE DELLA SPESA SANITARIA” (coordinator: prof. Franco Tagliaro).

- Co-Principal Investigator of the project funded by the European Union, NextGenerationEU (PNRR: M6/C2_CALL 2023), PNRR-MCNT2-2023-12378345 “Anemia and clonal hematopoiesis in the elderly. Clinical implications” (Principal Investigator prof. Domenico Girelli).

- **Participation in the following funded research projects (evaluated by peer review):**

- Assessorato Sanità Regione Veneto 2003: “ASPETTI EPIDEMIOLOGICI E BASI MOLECOLARI DELLE MALATTIE DA SOVRACCARICO MARZIALE. GENOMICA APPLICATA ALLE MALATTIE RARE DEL METABOLISMO DEL FERRO” (coordinator: prof. Domenico Girelli)

- MIUR-PRIN 2004: “REGOLAZIONE GENETICA ED EPIGENETICA DELL’ESPRESSIONE DI GENI DELLA COAGULAZIONE: EFFETTI FUNZIONALI SULLA VIA DEL FVII-TF E CONSEGUENZE SUL RISCHIO DI MALATTIA ARTERIOSA CORONARICA” (coordinator: prof. Francesco Bernardi)

- Fondazione Cariverona 2005 “GENOMICA APPLICATA ALL’ETIOPATOGENESI DELLE MALATTIE CARDIOVASCOLARI, CON PARTICOLARE RIFERIMENTO ALLE INTERAZIONI GENETICO/AMBIENTALI: PROSPETTIVE DI PREVENZIONE E CURA” (coordinator: prof. Domenico Girelli)

- MIUR 2005 “INTERAZIONE GENETICO/AMBIENTALI E MARCATORI DI INFEZIONE, AUTOIMMUNITÀ, MIMETISMO MOLECOLARE NELLA MALATTIA ATROFOTROMBICA CORONARICA” (coordinator: prof. Domenico Girelli)

- MIUR-PRIN 2005: “PREDITTORI TRADIZIONALI E NON TRADIZIONALI DI MALATTIA CARDIOVASCOLARE E DI RESTENOSI DOPO PROCEDURE INTERVENTISTICHE” prot. 2005065152 (coordinator: dott. Maurizio Anselmi)
- Regione Veneto 2010: “DAGLI STUDI INTERNAZIONALI DI “GENOME WIDE SCAN” ALLA VALIDAZIONE REGIONALE. INIZIATIVA DI SPIN-OFF PUBBLICO-PRIVATO PER LA REPLICAZIONE E LA VALIDAZIONE CLINICA NELLA POPOLAZIONE VENETA DI UN TEST PERSONALIZZATO FENO-GENOTIPICO PER LA PREDIZIONE DEL RISCHIO CORONARICO” (coordinator: prof. Oliviero Olivieri)
- Fondazione Cariverona 2014: “SEQUENZIAMENTO MASSIVO (NEXT-GENERATION SEQUENCING) DEL GENOMA UMANO: VERSO UN’INTERPRETAZIONE “SARTORIALE” DELLA VARIABILITÀ DELLA RISPOSTA AL FARMACO. UNA PROPOSTA TRASVERSALE” (coordinatore prof. Oliviero Olivieri).
- Fondazione Cariverona 2015: “BIOMARCATORI PREDITTIVI E DIAGNOSTICI IN PATOLOGIA UMANA” (coordinator: prof. Giorgio Berton).

• Principal investigator and national scientific coordinator of research programs positively evaluated but not funded

[FIRB 2008 38/40; PRIN 2009 49/60; FIRB 2010 53/60; SIR 2014 D]

- Futuro in Ricerca FIRB 2008 – codice RBFR08VRM8 – RELAZIONE TRA LIPIDI E TROMBOSI NELLA PATOGENESI DELL'ATEROSCLEROSI: UN APPROCCIO INTEGRATO DI GENOMICA E TRASCRITTOMICA.
- Futuro in Ricerca FIRB 2010 – codice RBFR10IGG0 – APPROCCI INTEGRATI GENOMICI E TRASCRITTOMICI PER LO STUDIO DELLA RELAZIONE FRA LIPIDI E TROMBOSI NELLA PATOGENESI DELL'ATEROSCLEROSI: MODELLI SPERIMENTALI DI TROMBOSI E MARCATORI CLINICI DI RISCHIO CARDIOVASCOLARE.
- PRIN 2009 – protocollo 2009YBMSB8 – STUDIO SULLA PATOGENESI MOLECOLARE DELL'ATEROSCLEROSI, ATTRAVERSO L'INTEGRAZIONE DI APPROCCI GENOMICI E TRASCRITTOMICI.
- SIR 2014 – RBSI14AU13 – HEPcidin AND IRON METABOLISM IN THE SETTING OF SECONDARY PREVENTION OF CORONARY ARTERY DISEASE.

• Participation in the following research programs, positively evaluated but not funded

- PRIN 2007 – RICERCA E VALIDAZIONE CLINICA DI MARCATORI MOLECOLARI DI ATEROSCLEROSI CORONARICA E INFARTO MIOCARDICO (coordinator: prof. Domenico Girelli)
- 7PQ 2009 – A LARGE-SCALE INTEGRATED STUDY OF MULTIPLE COMMON CARDIO METABOLIC DISEASES IN POPULATIONS FROM EUROPE AND CENTRAL ASIA (EUREECAGEN) (coordinator: prof. Giovanni Malerba)

• **Chief researcher and head of research funds obtained from the collaboration with the company DIAGNOSTICA STAGO S.A.S .:**

- i) Evaluation agreement n°11021502;
- ii) Evaluation agreement n°12013102.

TEACHING ACTIVITY

The teaching activity includes lectures and courses in the Bachelor's Degree in Medicine and Surgery, in Nursing, and in Doctoral Program (Ph.D), as well as tutorial teaching and supervision of internships in Internal Medicine Institute.

Teching activity at University of Verona:

Lectures and courses in the Bachelor's Degree in Medicine and Surgery (all the courses belong to the scientific-disciplinary sector of Internal Medicine - MED / 09):

- Verona (2009/2010 → until today)

Lectures and courses in the Bachelor's Degree in Nursing (all the courses belong to the scientific-disciplinary sector of Internal Medicine - MED / 09):

- Vicenza – branch location (2008/2009 → until today)
- Verona (2020/2021 → until today)
- Trento – branch location (2020/2021 → until today)

Lectures in Doctoral Program (Ph.D) – Courses in Clinical Proteomics and Biomolecular Medicine:

- Verona (2011 → until today)

Lectures at School of Specializations in Internal Medicine and Emergency Medicine:

- Verona (2009/2010 → until today)

Tutorial teaching in the Bachelor's Degree Courses in Medicine and Surgery:

- Verona (2009/2010 → until today)

Supervision of Medical Students for internships at Internal Medicine Institute in the Bachelor's Degree Courses in Medicine and Surgery:

- Verona (2009/2010 → until today)

Supervision of Medical Doctors at School of Specializations in Internal Medicine and Emergency Medicine:

- Verona (2008/2009 → until today)

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PARTICIPATION AND ASSIGNMENTS TO UNIVERSITY COLLEGIAL BODIES

- Council for the Degree Course in Medicine and Surgery - Medicine and Surgery
- Council for the Degree Course in Nursing - Medicine and Surgery
- Comitato scientifico del Corso di Perfezionamento Nursing assessment avanzato in situazioni assistenziali complesse e di criticità (Trento) - Department Diagnostics and Public Health
- Consiglio del Dipartimento di Medicina - Department Medicine
- Consiglio della Scuola di Specializzazione in Anestesia rianimazione, terapia intensiva e del dolore - Medicine and Surgery
- Consiglio della Scuola di Specializzazione in Medicina d'emergenza-urgenza - Medicine and Surgery
- Consiglio della Scuola di Specializzazione in Medicina Interna - Medicine and Surgery
- Collegio dei Docenti del Dottorato di Ricerca in Proteomica Clinica (2010 → 2012)
- Collegio dei Docenti del Dottorato in Medicina Biomolecolare (2013 → until today)

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<https://www.dm.univr.it/?ent=persona&id=2928&lang=en#tab-incarichi>

MEMBERSHIP IN SCIENTIFIC SOCIETIES

- Since 2009 member of the “International Society on Thrombosis and Haemostasis (ISTH)”.
- Since 2010 member of COLMED/09 (College of University Teachers in Internal Medicine MED/09)
- Since 2016 member of the Italian Society of Internal Medicine/Società Italiana di Medicina Interna (SIMI)
- Since 2016 member of the European and Mediterranean League Against Thrombotic Diseases (EMLTD)
- From 2012 to 2013 member of the "International Society of Nutrigenetics and Nutrigenomics (ISNN)".
- Elected **Councilor in the Directory Board of the Triveneto Section of SIMI** from November 2018 to November 2021

AWARDS AND ACKNOWLEDGMENTS

- Winner of the **“Young Investigator Award”** at the XXII Congress of the International Society on Thrombosis and Haemostasis, July 11-16, 2009, Boston, MA, USA.
- **"Certificate for Highly Cited Research"** awarded by Elsevier in December 2016 for the article "Air particulate matter and cardiovascular disease: A narrative review". *Eur J Intern Med.* 2013; 24: 295-302.

PARTECIPATION TO MEDICAL MEETINGS AND ORGANIZATION OF SCIENTIFIC CONFERENCES

- First and presenting author of oral communications at numerous national and international medical meetings
- Invited speaker at numerous national and international medical meetings
- Scientific director and organizer of the following congresses (ECM accredited)
 - 1st conference "Non la solita trombosi, non le solite terapie anticoagulanti" (“Not the usual thrombosis, not the usual anticoagulant therapies”), Verona, January 20, 2017 (with the sponsorship of Aspen Pharma and Boehringer Ingelheim)
 - 2nd conference "Non la solita trombosi, non le solite terapie anticoagulanti", Verona, January 26, 2018 (with the sponsorship of Bayer)
 - 3rd conference "Non la solita trombosi, non le solite terapie anticoagulanti ", Verona, February 15, 2019 (with the sponsorship of Bayer and Daiichi Sankyo)
 - 4th conference "Non la solita trombosi, non le solite terapie anticoagulanti", Verona, February 14, 2020 (with the sponsorship of AstraZeneca, Bayer, Bristol-Myers Squibb and Daiichi Sankyo)
 - 5th conference "Non la solita trombosi, non le solite terapie anticoagulanti – Focus sulle microangiopatie trombotiche", Verona, February 17, 2023 (with the sponsorship of Alexion and Sanofi)
 - 6th conference “Non la solita trombosi, non le solite terapie anticoagulanti”, Verona, February 9, 2024 (with the sponsorship of Astrazeneca, Bayer, Pfizer, Viartis and Werfen)
 - 7th “Non la solita trombosi, non le solite terapie anticoagulanti”, Verona, February 7, 2025 (with the sponsorship of Pfizer, Viartis and Werfen)

REVIEWER ACTIVITY

- Reviewer activity for several international scientific journals, including: *Science*, *Journal of American College of Cardiology*, *Circulation*, *Blood*, *Haematologica*, *American Journal of Clinical Nutrition*, *Molecular Biology and Evolution*, *British Journal of Clinical Pharmacology*, *European Journal of Internal Medicine*, *Thrombosis and Haemostasis*, *Thrombosis Research*, *Journal of Investigative Medicine*, *PLoS ONE*,

Redox Report, Oncotarget, Clinical and Experimental Hypertension, BioMed Research International, Diagnostics.

- In 2012 and 2013: Reviewer for the evaluation of projects on behalf of the Italian Ministry of Public Education, University and Research (Ministero dell'Istruzione, dell'Università e della Ricerca) and the evaluation of research products (VQR 2004-2010) on behalf of the National Evaluation Agency of University and Research System (Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca – ANVUR).
- Since 2015 included in the REPRISE (Register of Expert Peer Reviewers for Italian Scientific Evaluation) of the Italian Ministry of Public Education, University and Research
- In 2016: Reviewer for the evaluation of projects on behalf of the Italian Ministry of Public Education, University and Research (Ministero dell'Istruzione, dell'Università e della Ricerca) and the evaluation of research products (VQR 2011-2014) on behalf of the National Evaluation Agency of University and Research System (Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca – ANVUR).
- In 2018: Reviewer for Welsh Government's Sêr Cymru II Program (research proposal for Sêr Cymru II Precision Medicine Fellowship)
- In 2019: External Reviewer for the University of Florence for call of funding for competitive projects for fixed-term researchers (“Bando di Ateneo per il finanziamento di progetti competitivi per Ricercatore a Tempo Determinato (RTD) dell'Università di Firenze – Anno 2020-2021”)
- In 2020: Reviewer on behalf of the Italian Ministry of University and Research (MUR) for special supplementary funding for research (Fondo Integrativo Speciale per la Ricerca (FISR)) on COVID-19

EDITORIAL BOARD ACTIVITY

- Since 2020: member of the Editorial Board - Section Board Member - of the journal “Diagnostics” (ISSN: 2075-4418) - Impact Factor: 3.992 (2021) - 5-year Impact Factor: 4.129 (2021) - JCR category rank: Q2: Medicine, General & Internal

OTHER MEDICAL/SCIENTIFIC BOARD ACTIVITY

- Since February 2021: member of the Ethics Committee of Local Health Authority of Trento (APSS Trento), Italy

PATENTS

Italian patent for industrial invention no. 102018000008940, presented on September 26, 2018: **"TRATTAMENTO E PREVENZIONE DI MALATTIE CARDIOVASCOLARI CON ACIDO ERUCICO E METODI DIAGNOSTICI CORRELATI"**.

The Italian application was extended internationally with the PCT procedure (publication WO2020065690A1, application no. IT2019050208W)

https://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20200402&DB=EPODOC&locale=en_EP&CC=WO&NR=2020065690A1&KC=A1&ND=4

European patent **"TREATMENT AND PROPHYLAXIS OF CARDIOVASCULAR DISORDERS WITH ERUCIC ACID AND RELATED DIAGNOSTIC METHODS"**, (publication EP3856170A1, application no. EP19791378A)

<https://worldwide.espacenet.com/patent/search/family/064744809/publication/EP3856170A1?q=19791378.3>

Inventors: Nicola Martinelli (University of Verona) – share of the patent 50% - main inventor, Francesco Bernardi (University of Ferrara) – share of the patent 12.5%, Marcello Baroni (University of Ferrara) – share of the patent 12.5%, Oliviero Olivieri – share of the patent 15% (University of Verona), Domenico Girelli (University of Verona) – share of the patent 5%, Patrizia Guarini (University of Verona) – share of the patent 5%

PUBLICATIONS

1. Girelli D, **Martinelli N**. Genetic risk factors in ischemic cardiopathy. *Recenti Progressi in Medicina*. 2001;92(4):283-5.
2. Friso S, Girelli D, Trabetti E, Stranieri C, Olivieri O, Tinazzi E, **Martinelli N**, Faccini G, Pignatti PF, Corrocher R. A1298C methylenetetrahydrofolate reductase mutation and coronary artery disease: relationships with C677T polymorphism and homocysteine/folate metabolism. *Clinical and Experimental Medicine*. 2002;2(1):7-12.
3. Caramaschi P, **Martinelli N**, Biasi D, Carletto A, Faccini G, Volpe A, Ferrari M, Scambi C, Bambara LM. Homocysteine plasma concentration is related to severity of lung impairment in scleroderma. *Journal of Rheumatology*. 2003;30(2):298-304.
4. Girelli D, **Martinelli N**, Pizzolo F, Friso S, Olivieri O, Stranieri C, Trabetti E, Faccini G, Tinazzi E, Pignatti PF, Corrocher R. The interaction between MTHFR 677 C-->T genotype and folate status is a determinant of coronary atherosclerosis risk. *Journal of Nutrition*. 2003;133(5):1281-5.
5. Di Lorenzo G, Gangemi S, Merendino RA, Minciullo PL, Cannavo SP, **Martinelli N**, Mansueto P, Rini GB, Corrocher R, Pacor ML. Serum levels of soluble CD30 in adult patients affected by atopic dermatitis and its relation to age, duration of disease and Scoring Atopic Dermatitis index. *Mediators of Inflammation*. 2003;12(2):123-5.
6. Pacor ML, Di Lorenzo G, Lunardi C, **Martinelli N**, Biasi D, Corrocher R. Nickel sulphate, food additives and seronegative arthritis: is there any relationship? *Allergy*. 2003;58(9):958-9.
7. Pacor ML, Di Lorenzo G, **Martinelli N**, Lombardo G, Di Gregoli A, Mansueto P, Rini GB, Corrocher G, Corrocher R. Results of double-blind placebo-controlled challenge with nickel salts in patients affected by recurrent aphthous stomatitis. *International Archives of Allergy and Immunology*. 2003;131(4):296-300.
8. Olivieri O, Bassi A, Stranieri C, Trabetti E, **Martinelli N**, Pizzolo F, Girelli D, Friso S, Pignatti PF, Corrocher R. Apolipoprotein C-III, metabolic syndrome, and risk of coronary artery disease. *Journal of Lipid Research*. 2003;44(12):2374-81.
9. Scanavini D, Girelli D, Lunghi B, **Martinelli N**, Legnani C, Pinotti M, Palareti G, Bernardi F. Modulation of factor V levels in plasma by polymorphisms in the C2 domain. *Arteriosclerosis Thrombosis and Vascular Biology*. 2004;24(1):200-6.
10. Bason C, Corrocher R, Lunardi C, Puccetti P, Olivieri O, Girelli D, Navone R, Beri R, Millo E, Margonato A, **Martinelli N**, Puccetti A. Interaction of antibodies against cytomegalovirus with heat-shock protein 60 in pathogenesis of atherosclerosis. *Lancet*. 2003;362(9400):1971-7.
11. Pacor ML, Di Lorenzo G, **Martinelli N**, Mansueto P, Rini GB, Corrocher R. Monosodium benzoate hypersensitivity in subjects with persistent rhinitis. *Allergy*. 2004;59(2):192-7.
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LETTERS

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BOOKS AND OTHER PUBLICATIONS

- Coauthor of the book “Diagnostic Dilemmas. Images in Endocrinology – Second Edition”, Endocrine Press, Editor Leonard Wartofsky, 2013, ISBN: 978-1-936704-15-6
- Coauthor of the publication “Inquinamento atmosferico e malattia cardiovascolare” (“Air pollution and cardiovascular disease”) for the Società Italiana per la Prevenzione Cardiovascolare (SIPREC) – 2013.
- Coauthor of the book “SIMI Handbook Terapia Medica” (Sezione 10 – Ematologia) – 2018 Edra S.p.A. ISBN: 978-88-214-4178-3

I, Nicola Martinelli, aware of the possible implications, certify that what is reported in this Curriculum Vitae corresponds to the truth.

Verona, April 29, 2025

A handwritten signature in dark ink, appearing to read 'Nicola Martinelli', written in a cursive style.