

PERSONAL INFORMATION First name / Surname Professional Address Degree Fiscal Code E-mail Date of birth Gender	Martina Chiriaco Department of Clinical and Experimental Medicine – University of Pisa
EDUCATION AND TRAINING	CURRENT ACTIVITY ▪ University of Pisa, Pisa, Italy - Internal Medicine Residency - November 2018 to present ▪ Sant’Anna School of Advanced Studies, Pisa, Italy - PhD student in Translational Medicine - October 2022 to present PAST ACTIVITIES ▪ Sant’Anna School of Advanced Studies, Class of Medical Sciences, Pisa, Italy - Honors College Student - September 2011 to December 2018 - Diploma in Medical Sciences (2nd Level Master Degree), 100/100 <i>summa cum laude</i> ▪ University of Pisa, Faculty of Medicine and Surgery, Pisa, Italy - Medical School - September 2011 to July 2017 - Medical Degree, 110/110 <i>summa cum laude</i>
RESEARCH EXPERIENCE	CURRENT ACTIVITY University of Pisa, Section of Dietology; Laboratory of Metabolism, Nutrition and Atherosclerosis, Pisa, Italy. - Research activity in the fields of: 1) novel antidiabetics drugs 2) salt sensitivity; 3) β cell function and glucose homeostasis; 4) diabetes complications. Supervisors: Prof. Andrea Natali, Dr. Domenico Tricò. 2020 to present Co-investigator in the SURMOUNT-MMO trial (A Phase 3, Randomized, Double-blind, Placebo-Controlled Study to Investigate the Effect of Tirzepatide on the Reduction of Morbidity and Mortality in Adults With Obesity). July 2023 - present

PAST EXPERIENCES

University of Pisa, Division of Internal Medicine 1, Pisa, Italy.

- Research activity in the fields of: 1) endothelial function and vascular damage; 2) biological aging, telomeres and cardiovascular disease; 3) blood pressure and cardiovascular disease. - 2018-2020

Co-investigator in the PRECISION trial (Multi-center, Blinded, Randomized, Parallel-group, Phase 3 Study With Aprocitenan in Subjects With Resistant Hypertension) - University of Pisa, Division of Internal Medicine 1, Pisa, Italy. July 2019 – January 2021

Clinical Internship at Accident & Emergency department, University College of London Hospital, London, UK. – April 2016

Visiting student at University of California San Francisco, UCSF Medical Center, San Francisco, CA, USA. - October to November 2015

Research Internship at Division of Clinical Pharmacology and Toxicology, Hospital for Sick Children, Toronto, CA.

Research activity on the role of Breast Cancer Resistance Protein (BCRP) in the excretion of nutrients and xenobiotics in human milk. – August to September 2012

LIST OF PUBLICATIONS

Number of publications: 18, first authorship: 11

Scopus (<https://www.scopus.com/authid/detail.uri?authorId=57205447865>):

h-index: 7, total citations: 323

ORCID ID: 0000-0003-0174-4549

Indexed articles

1. **Chiriaco M**, Nesti L, Natali A, Santoro N, Caprio S, Tricò D. Proatherogenic changes in lipoprotein particles associated with a high triglyceride to high-density lipoprotein cholesterol ratio in youths. *Obesity*. 2023; 7: 1894-1902
2. Moriconi D, Sacchetta L, **Chiriaco M**, Nesti L, Leonetti S, Forotti G, Natali A, Solini A, Tricò D. Glomerular Hyperfiltration Predicts Kidney Function Decline and Mortality in Type 1 and Type 2 Diabetes: A 21-Year Longitudinal Study. *Diabetes Care*. 2023;46(4):845–853
3. **Chiriaco M**, Tubili C, Bo S, Parillo M, Vetrani C, Mazzotti A, Pistis D, Marelli G, Grandone I, Natali A. Critical evaluation of the questionnaires assessing adherence to the Mediterranean diet that are based on servings. *Nutrition, Metabolism and Cardiovascular Diseases*. 2023; 33:724-736
4. Nesti L, Pugliese NR, **Chiriaco M**, Tricò D, Baldi S, Natali A. Epicardial adipose tissue thickness is associated with reduced peak oxygen consumption and systolic reserve in patients with type 2 diabetes and normal heart function. *Diabetes, Obesity and Metabolism*. 2023; (1):177-188
5. Sacchetta L, **Chiriaco M**, Nesti L, Leonetti S, Forotti G, Natali A, Solini A, Tricò D. Synergistic effect of chronic kidney disease, neuropathy, and retinopathy on all-cause mortality in type 1 and type 2 diabetes: a 21-year longitudinal study. *Cardiovascular Diabetology*. 2022; 21, 233.
6. **Chiriaco M**, Tricò D, Solini A. Mechanisms of cardio-renal protection of sodium-glucose cotransporter-2 inhibitors. *Current Opinion in Pharmacology*. 2022; 66:102272

7. **Chiriaco M**, Sacchetta L, Forotti G, Leonetti S, Nesti L, Taddei S, Natali A, Solini A, Tricò D. Prognostic value of 24-hour ambulatory blood pressure patterns in diabetes: a 21-year longitudinal study. *Diabetes, Obesity and Metabolism*. 2022; 24:2127–2137.
8. **Chiriaco M**, Tricò D, Leonetti S, Petrie J, Balkau B, Højlund K, Pataky Z, Nilsson P, Natali A, Heine RJ, et al. Female Sex and Angiotensin-Converting Enzyme (ACE) Insertion/Deletion Polymorphism Amplify the Effects of Adiposity on Blood Pressure. *Hypertension*. 2022;79.
9. Mengozzi A, Pugliese NR, **Chiriaco M**, Masi S, Virdis A, Taddei S. Microvascular Ageing Links Metabolic Disease to Age-Related Disorders: The Role of Oxidative Stress and Inflammation in Promoting Microvascular Dysfunction. *Journal of Cardiovascular Pharmacology*. 2021;78:S78–S87.
10. Kosmopoulos M*, **Chiriaco M***, Stamatelopoulos K, Tsioufis C, Masci PG, Kontogiannis C, Mengozzi A, Pugliese NR, Taddei S, Virdis A, et al. The relationship between telomere length and putative markers of vascular ageing: A systematic review and meta-analysis. *Mechanisms of ageing and development*. 2021;201.
11. Biancalana E*, **Chiriaco M***, Sciarrone P, Mengozzi A, Mechelli S, Taddei S, Solini A. Remdesivir, Renal Function and Short-Term Clinical Outcomes in Elderly COVID-19 Pneumonia Patients: A Single-Centre Study. *Clinical interventions in aging*. 2021;16:1037–1046.
12. **Chiriaco M**, Masi S, Bacca AV, Pugliese NR, Taddei S. Renal denervation for the treatment of refractory hypertension: where are we?. *Giornale italiano di cardiologia*. 2020;21:961–968.
13. Castiglione V*, **Chiriaco M***, Emdin M, Taddei S, Vergaro G. Statin therapy in COVID-19 infection. *European heart journal. Cardiovascular pharmacotherapy*. 2020;6:258–259.
14. Masi S, Georgiopoulos G, **Chiriaco M**, Grassi G, Seravalle G, Savoia C, Volpe M, Taddei S, Rizzoni D, Virdis A. The importance of endothelial dysfunction in resistance artery remodelling and cardiovascular risk. *Cardiovascular Research*. 2020;116:429–437.
15. **Chiriaco M**, Georgiopoulos G, Duranti E, Antonioli L, Puxeddu I, Nannipieri M, Rosada J, Blandizzi C, Taddei S, Virdis A, et al. Inflammation and Vascular Ageing: From Telomeres to Novel Emerging Mechanisms. *High Blood Pressure and Cardiovascular Prevention*. 2019;26:321–329.
16. **Chiriaco M**, Pateras K, Virdis A, Charakida M, Kyriakopoulou D, Nannipieri M, Emdin M, Tsioufis K, Taddei S, Masi S, et al. Association between blood pressure variability, cardiovascular disease and mortality in type 2 diabetes: A systematic review and meta-analysis. *Diabetes, Obesity and Metabolism*. 2019;21:2587–2598.
17. Virdis A, Masi S, Colucci R, **Chiriaco M**, Uliana M, Puxeddu I, Bernardini N, Blandizzi C, Taddei S. Microvascular Endothelial Dysfunction in Patients with Obesity. *Current hypertension reports*. 2019;21.
18. Masi S, **Chiriaco M**, Virdis A. Cardiac remodeling and vascular changes: Same music with a new instrument. *International Journal of Cardiology*. 2019;280:160–161.

*Equal contribution

Book chapters

1. **Chiriaco M**, Masi S, Virdis A, Taddei S. Endothelial function and physical exercise: a key to cardiovascular protection? In: *Exercise, Sports and Hypertension*. Springer

	International Publishing, Updates in Hypertension and Cardiovascular Protection Series, 2022; pp 43-54. - Emdin M, Bedeir N, Manzato E, Poletti R, Aimo A, Chiriaco M, Castiglione V. Fisiopatologia e nosografia generale delle amiloidosi. In: <i>Amiloidosi. Come si diagnostica, come si cura</i>. Sant'Anna Medical Reviews, Pisa University Press, Pisa, 2020; p.35-48. - Castiglione V, Franzini M, Chiriaco M, Vergaro G. Indagini proteomiche nella diagnosi e caratterizzazione dell'amiloidosi. In: <i>Amiloidosi. Come si diagnostica, come si cura</i>. Sant'Anna Medical Reviews, Pisa University Press, Pisa, 2020; p.169-182. - Bertone C, Biavati L, Borrelli C, Castiglione V, Chiriaco M, Di Gangi A, Germani MM, Meola L, Taddei E, Testa D. La valutazione dell'assistenza nell'esperienza degli ospedali della University of California – San Francisco. In: <i>La valutazione della performance delle Aziende Ospedaliere-Universitarie</i>. Il Mulino, Bologna, 2016; p.121-134.
INDEXED CONFERENCE ABSTRACTS AT INTERNATIONAL MEETINGS	Chiriaco M, Sacchetta L, Forotti G, Leonetti S, Nesti L, Taddei S, Natali A, Solini A, Tricò D. Prognostic Value Of 24-hour Ambulatory Blood Pressure And Heart Rate Patterns In Diabetes: A 20-year Longitudinal Analysis Of The Chronic Diabetes Complications And All-cause Mortality In Pisa From 1999 Onwards (CHAMP1ON) Study Cohort. <i>Hypertension</i>. 2021;78:AT1 - Castiglione V, Chiriaco M, Aimo A, Januzzi J, Richards AM, Lam CSP, Latini R, Anand IS, Ueland T, Brunner-La Rocca HP, Bayes-Genis A, De Boer RA, Huber K, Emdin M, Vergaro G. Prognostic value of sST2 in heart failure patients with diabetes. <i>European Heart Journal</i>. 2021;42:869. - Castiglione V, Chiriaco M, Aimo A, Pastormerlo L, Palmieri C, Masi S, Passino C, Taddei S, Cocceani M, Emdin M. A tale of frail coronary arteries: spontaneous coronary dissection. <i>European Heart Journal Suppl</i>. 2020;22:G108-G109. - Masi S, Duranti E, Chiriaco M, Mancini R, Nannipieri M, Paneni F, Taddei S, Virdis A. P66Shc mediates the influence of Sirt-1 on age and obesity related endothelial function. <i>European Heart Journal</i>. 2019; 40:Supp_1. Chiriaco M, Pateras K, Virdis A, Kyriakopoulou D, Kontogiannis C, Emdin M, Taddei S, Georgiopoulos G, Masi S. Association Between Blood Pressure Variability, Cardiovascular Disease And Mortality In Type 2 Diabetes: A Systematic Review And Meta-Analysis. <i>Journal of Hypertension</i>. 2019; 37:e129.
INVITED SPEAKER	“Non-alcoholic fatty liver disease: a player in cardio-metabolic disorders?” – At <i>Cholesterol & beyond ATS risk 2023 FAQ Congress</i> – Florence, May 2023

EDITOR ACTIVITY	Review Editor for Diabetes Nutrition and Dietetics - Frontiers in Clinical Diabetes and Healthcare
REVIEWER ACTIVITY	Publons profile: https://publons.com/researcher/3694088/martina-chiriaco/ Reviewer for (2020 Impact Factor): Cardiovascular Diabetology (IF: 9.95); Diabetes, Obesity and Metabolism (IF: 6.58); Nutrients (IF: 5.72), International Journal of Molecular Sciences (IF: 5.54); Journal of Endocrinological Investigation (IF: 4.26); ESC Heart Failure (IF: 4.41); Diagnostics (IF: 3.71); International Journal of Medical Sciences (IF: 3.64); International Journal of Environmental Research and Public Health (IF: 3.39); PLOS ONE (IF: 3.24), International Journal of Cardiology , Clinical Nutrition ESPEN.
OTHER ACTIVITIES	Scientific News writer for <i>Cardiolink Scientific News</i>
MEMBERSHIPS	- European Association for the Study of Diabetes (EASD) - European Society of Clinical Nutrition and Metabolism (ESPEN) - The Obesity Society (TOS) - Società Italiana di Diabetologia (SID) - Società Italiana di Medicina Interna (SIMI)
AWARDS AND PRIZES	Paul Dudley White International Scholar Award To Recognize the Authors with the Highest Ranked Abstract from Italy - Hypertension Scientific Sessions 2021 - American Heart Association Finalist in the Hypertension Early Career Award Session - Hypertension Scientific Sessions 2021 - American Heart Association
GRANTS	EFSD Lilly Young Investigator Research Award Programme 2022
CLINICAL TRAINING COURSES AND ACCREDITATIONS	AHA Advanced Cardiovascular Life Support course. Centro di Simulazione Medica AOUP, Pisa – April 2023 AHA Basic Life Support course. Centro di Simulazione Medica AOUP, Pisa – December 2021 Clinical Ultrasound in Emergency Training – Società Italiana di Medicina d’Emergenza-Urgenza, AOUP, Pisa – October 2017 - Course “Simulazione alla manualità in area critica”. Centro di Simulazione Medica AOUP, Pisa – May 2016
PERSONAL SKILLS AND COMPETENCES	
Mother tongue	Italian
Other languages	
Certificates	IELTS grade 8 (May 2015) (level C-1, Common European Framework of Reference for Languages)

	Understanding				Speaking		Writing	
	Listening		Reading					
	Proficient	C-2	Proficient	C-2	Advanced	C-1	Advanced	C-1
English								
Computer skills	Proficient in Microsoft Office (Word, Excel, Power Point) and GraphPad.							
Research skills	Study design, data acquisition and analysis, statistics (SPSS, NCSS, JMP), paper writing.							

Last updated: August 1st, 2023