




PERSONAL INFORMATION	Sebastiano Sciarretta, MD, PhD, FAHA	
	 Department of Medical and Surgical Sciences and Biotechnologies, University of Rome "Sapienza", Latina, Italy	
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	 sebastiano.sciarretta@uniroma1.it	
	Sex M Date of birth 13-08-1980 Nationality Italy..	
CURRENT POSITION SSD (MED/50)	<ul style="list-style-type: none"> - 2018-present: Full Professor of Cardiology (06/D1, SSD MED/11), Department of Medical and Surgical Sciences and Biotechnologies, University of Rome "Sapienza", Italy - 2019-present: Attendant, Cardiology Unit, Santa Maria Goretti Hospital, Latina, Italy - 2012-present: Research Consultant, IRCCS Neuromed, Pozzilli, Italy 	
RESEARCH TOPICS / EXPERIENCES	<ul style="list-style-type: none"> ▪ Molecular mechanism of cardiovascular diseases ▪ Role of autophagy in human pathology ▪ Signal Transduction 	
SCIENTIFIC / TECHNICAL QUALIFICATION (source: Scopus)	▪ H-index:	▪ 40
	▪ No. publications:	▪ 195
	▪ No. citations:	▪ 10588
THEMATIC AREA KEYWORDS (it is possible to select one or more than one thematic area)	▪ Energy transition:	▪
	▪ Digital transition:	▪
	▪ Bio-pharma & health:	▪ X Cardioprotection; cardiovascular diseases; autophagy; signal transduction; innovative therapies; new pharmacological targets

EDUCATION AND TRAINING

2010-2014	PhD in Experimental Medicine University of Rome "Sapienza", Italy
2005-2009	Cardiology Specialty University of Rome "Sapienza", Italy
1999-2005	Medical Degree, <i>magna cum laude</i> University of Rome "Sapienza", Italy

WORK EXPERIENCE

2018-2022	Associate Professor
	Department of Medical and Surgical Sciences and Biotechnologies, University of Rome "Sapienza", Italy
2015-2018	Assistant Professor

	Department of Medical and Surgical Sciences and Biotechnologies, University of Rome "Sapienza", Italy
2013-2015	Assistant Professor Department of Cell Biology and Molecular Medicine, Rutgers New Jersey Medical School, NJ, USA
2009-2013	Post-Doctoral Fellow Department of Cell Biology and Molecular Medicine, Rutgers New Jersey Medical School, NJ, USA

MAIN ROLES AND RESPONSIBILITIES

2016-present	▪ Head of the Laboratory of experimental cardiovascular pathology, Department of Medical and Surgical Sciences and Biotechnologies, University of Rome "Sapienza", Latina, Italy
2016-present	▪ Head of the Laboratory of vascular pathophysiology, Department of Angiocardioneurology, IRCCS Neuromed, Pozzilli, Italy

SERVICE TO NATIONAL AND INTERNATIONAL COMMUNITY

2019-present	▪ CLINICAL ACTIVITY Cardiology Attendant at Santa Maria Goretti University Hospital. The activity of this hospital is characterized by the treatment of a high volume of patients with cardiovascular diseases every year both in election and urgency. In particular, the hospital is the reference center of the area of Latina for the treatment of acute myocardial infarction with about 500 primary angioplasty procedures in 2019, being ranked as the first center in Italy. Prof. Sciarretta has established expertise in diagnosis and treatment of elective and urgent cardiovascular diseases. In particular, he is a recognized expert in the field of essential hypertension, cardiovascular prevention, heart failure and cardio-oncology.
2018-present	▪ Founder Fellow, Italian Society of Translational Research. Main activities: He participated to the foundation of the society to promote the importance of translational research. He gave seminars; took part in the organization of the first national congress of the society.

2017-present	▪ Nucleus Member (already elected next coordinator), Study Group of Cellular and Molecular Biology of the Heart of the Italian Society of Cardiology. Main activities: he coordinated a consensus paper on the role of mitochondrial dynamics in the heart, which was published in the British Journal of Pharmacology. He gave seminars; took part in the organization of basic research symposia in the national congresses of the society; supported lab exchanges; promoted job opportunities and collaborated to scientific projects.
2017-present	▪ Abstract grader, European Society of Cardiology Congress
2015-present	▪ ECI Member, Leducq Transatlantic Network of the study of autophagy in cardiovascular diseases, North America Coordinator: Junichi Sadoshima. Main activities: He coordinated a consensus paper on the methods to evaluate autophagy in the cardiovascular system, which was published in Cardiovascular Research. He organized 2015 and 2019 retreats of the network in Rome and Syracuse, Italy.
2019	▪ Ad Hoc Grant Reviewer, Swiss National Science Foundation
2018	▪ Ad Hoc Grant Reviewer, Diabetes UK Foundation

TEACHING EXPERIENCE

2020-present	• Teaching appointment, Topic: General pathology and Pathophysiology, Medical School 'E', University of Rome "Sapienza", Italy.
2016-present	▪ Teaching appointment, Topic: Medical and Surgical Emergencies, Medical School 'E', University of Rome "Sapienza", Italy.
2016-present	▪ Teaching appointment, Topic: Cardiovascular diseases, Medical School 'E', University of Rome "Sapienza", Italy.
2015-present	• Teaching appointment, Topic: Tissue engineering and molecular basis of cardiovascular diseases. School of Medical Biotechnologies, University of Rome "Sapienza", Italy.

MAIN RESEARCH EXPERIENCE

2012-present	▪ Research Consultant, IRCCS Neuromed, Pozzilli, Italy
2009-2015	▪ Post-Doctoral Fellow and Assistant Professor, Department of Cell Biology and Molecular Medicine, Rutgers New Jersey Medical School, NJ, USA
2010-2013	▪ PhD in Experimental Medicine, Sapienza University of Rome

Personal Statement	<p>I am a physician scientist and my scientific career has always been devoted to the study of the molecular mechanisms underlying the development of cardiac and vascular diseases, by conducting basic and translational studies.</p> <p>At the beginning of my career I studied the impact of metabolic derangements on organ damage in essential hypertension. Then, I started studying the signaling mechanisms underlying the development of cardiac hypertrophy and vascular dysfunction. Then, I moved to Rutgers-New Jersey Medical School (Newark, USA), where I studied the role of autophagy in the development of myocardial hypertrophy, ischemia and cardiac remodeling. After 6 years in the US, I moved back to Italy at Sapienza University of Rome to start my career as independent investigator. The research interests of my laboratory are focused on the study of the signalling mechanisms underlying vascular diseases, with a particular focus on autophagy, oxidative stress, mTOR pathway and Hippo signalling. During the last years, we conducted several basic and translational studies investigating the role of autophagy abnormalities in the development of endothelial dysfunction, atherothrombotic disease and stroke in models of hypertension and diabetes. We also studied the molecular mechanisms underlying platelet hyperaggregation and endothelial dysfunction in response to cardiovascular risk factors, such as smoking and diabetes. In the future, I hope to succeed in finding new therapeutic targets for the treatment of vascular abnormalities, in order to develop novel therapies to ameliorate the clinical outcome of patients with cardiovascular diseases. Based on the results of my research studies, I patented a new mixture of natural activators of autophagy, which may be efficacious, in addition to the other therapies, for the treatment of cardiovascular diseases. My future aim will be to develop a partnership with industries for the production of these compounds and their evaluation in the clinical setting.</p>
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OTHER RELEVANT EXPERIENCES

Patents	<ul style="list-style-type: none"> • European patent holder, EP3636254B1. • Italian patent holder, IT201800009311A1. • Italian patent holder, IT201600120800A1
Editorial Activities 2021-present	<ul style="list-style-type: none"> ▪ Cardiovascular Research, Editorial Board Member
2020-present	<ul style="list-style-type: none"> ▪ Minerva Cardiology and Angiology, Associate Editor
2020-present	<ul style="list-style-type: none"> ▪ Autophagy, Associate Editor

2019	▪	Frontiers in Cardiovascular Medicine, Guest Editor
2019-present	▪	International Journal of Cardiology, Editorial Board Member
2019-present	▪	Scientific Reports, Academic Editor
2019	▪	JMCC, Guest Editor
2017-present	▪	Circulation Research, Editorial Board Member
2014-2017	▪	Autophagy, Editorial Board Member

HONOURS, AWARDS, MEMBERSHIPS, OTHER QUALIFICATIONS

Fellowship		
2021	▪	Fellow of the American Heart Association
2021-present	▪	Fellow of the American Heart Association
2021-present	▪	Member, European Organization of Vascular Biology
2018-present	▪	Founding Fellow, Italian Society of Translational Research
2016-present	▪	Fellow, Italian Society of Cardiology
2010-present	▪	Member, American Heart Association
2008-present	▪	Fellow, Italian Society of Hypertension
2007-present	▪	Member, European Society of Cardiology
2007-present	▪	Member, Italian Society of Cardiovascular Prevention
Research Grants		
2021	▪	PRIN 2021-present, Italian Ministry of Research. Role: PI. Funding: 180000 euros (Sciarretta's Unit)
2020	▪	Sapienza University Grant 2020. Role: PI. Funding: 62000 euros
2019	▪	PRIN 2019-2023, Italian Ministry of Research. Role: PI. Funding: 155000 euros (Sciarretta's Unit)
2019	▪	Pasteur Institution Grant 2019-2021. Role: PI. Funding: 40000 euros
2018	▪	Sapienza University Grant 2018. Role: PI. Funding: 38000 euros
2015	▪	Ricerca Finalizzata 2013, Italian Ministry of Health. Role: PI. Funding: 383687 euros
Prizes and Honors		
2018	▪	Gold Award, Top Reviewers of the Year, Circulation Research, Chicago, IL, USA
2017	▪	Platinum Award, Top Reviewers of the Year, Circulation Research, Anaheim, CA, USA
2016	▪	Sapienza University Grant 2016. Role: PI. Funding: 14500 euros
2016	▪	Winner, Best Moderated Poster, ESC Congress 2016, Rome, Italy
2013	▪	Ricerca Finalizzata 2013, Italian Ministry of Health. Role: PI. Funding: 383687 euros

2011	▪	Finalist, Melvin L. Marcus Young Investigator Award at the 84th American Heart Association (AHA) Scientific Session, Orlando, FL, USA
2010	▪	Best of AHA Specialty Conferences, BCVS
2010	▪	American Heart Association Postdoctoral Fellowship in 2010
2009	▪	Winner, Bristol-Meyers-Squibb Award, Italian Society of Cardiology Congress
2009	▪	Winner, Young Investigator Award, Italian Society of Cardiovascular Prevention

Publications

1: Morroni J, Schirone L, Valenti V, Zwergel C, Riera CS, Valente S, Vecchio D, Schiavon S, Ragno R, Mai A, Sciarretta S, Lozanoska-Ochser B, Bouchè M. Inhibition of PKC θ Improves Dystrophic Heart Phenotype and Function in a Novel Model of DMD Cardiomyopathy. *Int J Mol Sci.* 2022 Feb 18;23(4):2256. doi: 10.3390/ijms23042256. PMID: 35216371; PMCID: PMC8880527.

2: Testa A, Biondi-Zoccai G, Anticoli S, Pezzella FR, Mangiardi M, Di Giosa A, Marchegiani G, Frati G, Sciarretta S, Perrotta A, Peruzzi M, Cavarretta E, Gaspardone A, Mariano E, Federici M, Montone RA, Dei Giudici A, Versaci B, Versaci F. Cluster analysis of weather and pollution features and its role in predicting acute cardiac or cerebrovascular events. *Minerva Med.* 2022 Feb 14. doi: 10.23736/S0026-4806.22.08036-3. Epub ahead of print. PMID: 35156790.

3: Sciarretta S, Forte M, Sadoshima J. Boosting circadian autophagy by means of intermittent time-restricted feeding: a novel anti-ageing strategy? *J Cardiovasc Aging.* 2022;2:5. doi: 10.20517/jca.2021.33. Epub 2022 Jan 1. PMID: 35083475; PMCID: PMC8785976.

4: Mohammed SA, Albiero M, Ambrosini S, Gorica E, Karsai G, Caravaggi CM, Masi S, Camici GG, Wenzl F, Calderone V, Madeddu P, Sciarretta S, Matter CM, Spinetti G, Luscher TF, Ruschitzka F, Costantino S, Fadini GP, Paneni F. The BET Protein Inhibitor Apabetalone Rescues Diabetes-induced Impairment of Angiogenic Response by Epigenetic Regulation of Thrombospondin-1. *Antioxid Redox Signal.* 2021 Dec 16. doi: 10.1089/ars.2021.0127. Epub ahead of print. PMID: 34913726.

5: Shao D, Zhai P, Hu C, Mukai R, Sciarretta S, Del Re D, Sadoshima J. Lats2 promotes heart failure by stimulating p53-mediated apoptosis during pressure overload. *Sci Rep.* 2021 Dec 6;11(1):23469. doi: 10.1038/s41598-021-02846-3. PMID: 34873220; PMCID: PMC8648781.

6: Nocella C, Bartimoccia S, Cammisotto V, D'Amico A, Pastori D, Frati G, Sciarretta S, Rosa P, Felici C, Riggio O, Calogero A, Carnevale R, SMiLe Group. Oxidative Stress in the Pathogenesis of Antiphospholipid Syndrome: Implications for the Atherothrombotic Process. *Antioxidants (Basel).* 2021 Nov 9;10(11):1790. doi: 10.3390/antiox10111790. PMID: 34829661; PMCID: PMC8615138.

7: Irace FG, Cammisotto V, Valenti V, Forte M, Schirone L, Bartimoccia S, Iaccarino A, Peruzzi M, Schiavon S, Morelli A, Marullo AGM, Miraldi F, Nocella C, De Paulis R, Benedetto U, Greco E, Biondi-Zoccai G, Sciarretta S, Carnevale R, Frati G. Role of Oxidative Stress and Autophagy in Thoracic Aortic Aneurysms. *JACC Basic Transl Sci.* 2021 Oct 25;6(9-10):719-730. doi: 10.1016/j.jacbts.2021.08.002. PMID: 34754985; PMCID: PMC8559314.

8: Perrotta A, Biondi-Zoccai G, Saade W, Miraldi F, Morelli A, Marullo AG, Cavarretta E, Carnevale R, DE Falco E, Chimenti I, Sciarretta S, Frati P, Mamas MA, Ciardi S, Frati L, Frati G, Peruzzi M. A snapshot global survey on side effects of COVID-19 vaccines among healthcare professionals and armed forces with a focus on headache. *Panminerva Med.* 2021 Sep;63(3):324-331. doi: 10.23736/S0031-0808.21.04435-9. PMID: 34738774.

9: Biondi-Zoccai G, Frati G, Gaspardone A, Mariano E, Di Giosa AD, Bolignano A, Dei Giudici A, Calcagno S, Scappaticci M, Sciarretta S, Valenti V, Casati R, Visconti G, Penco M, Giannico MB, Peruzzi M, Cavarretta E, Budassi S, Cosma J, Federici M, Roeber L, Romeo F, Versaci F. Impact of environmental pollution and weather changes on the incidence of ST-elevation myocardial infarction. *Eur J Prev Cardiol.* 2021 Oct 25;28(13):1501-1507. doi: 10.1177/2047487320928450. PMID: 34695216.

10: Versaci F, Sciarretta S, Scappaticci M, Di Pietro R, Calcagno S, Del Prete A, Gaspardone C, Biondi Zoccai G. Renal arteries denervation: from the treatment of resistant hypertension to the treatment of atrial fibrillation. *Eur Heart J Suppl.* 2021 Oct 8;23(Suppl E):E177-E183. doi: 10.1093/eurheartj/suab117. PMID: 34650381; PMCID: PMC8503489.

11: Forte M, Bianchi F, Cotugno M, Marchitti S, Stanzione R, Maglione V, Sciarretta S, Valenti V, Carnevale R, Versaci F, Frati G, Volpe M, Rubattu S. An interplay between UCP2 and ROS protects cells from high-salt-induced injury through autophagy stimulation. *Cell Death Dis.* 2021 Oct 8;12(10):919. doi: 10.1038/s41419-021-04188-4. PMID: 34625529; PMCID: PMC8501098.

12: Forte M, Marchitti S, Cotugno M, Di Nonno F, Stanzione R, Bianchi F, Schirone L, Schiavon S, Vecchio D, Sarto G, Scioli M, Raffa S, Tocci G, Relucenti M, Torrisi MR, Valenti V, Versaci F, Vecchione C, Volpe M, Frati G, Rubattu S, Sciarretta S. Trehalose, a natural disaccharide, reduces stroke occurrence in the stroke-prone spontaneously hypertensive rat. *Pharmacol Res.* 2021 Nov;173:105875. doi: 10.1016/j.phrs.2021.105875. Epub 2021 Sep 7. PMID: 34500062.

13: Morroni J, Schirone L, Vecchio D, Nicoletti C, D'Ambrosio L, Valenti V, Sciarretta S, Lozanoska-Ochser B, Bouchè M. Accelerating the *Mdx* Heart

Histo-Pathology through Physical Exercise. *Life (Basel)*. 2021 Jul 17;11(7):706. doi: 10.3390/life11070706. PMID: 34357078; PMCID: PMC8306456.

14: Loffredo L, Carnevale R, Battaglia S, Marti R, Pizzolo S, Bartimoccia S, Nocella C, Cammisotto V, Sciarretta S, Chimenti I, De Falco E, Cavarretta E, Peruzzi M, Marullo A, Miraldi F, Violi F, Morelli A, Biondi-Zoccai G, Frati G. Impact of chronic use of heat-not-burn cigarettes on oxidative stress, endothelial dysfunction and platelet activation: the SUR-VAPES Chronic Study. *Thorax*. 2021 Jun;76(6):618-620. doi: 10.1136/thoraxjnl-2020-215900. Epub 2021 Apr 19. PMID: 34157671.

15: Pepe G, Cotugno M, Marracino F, Giova S, Capocci L, Forte M, Stanzione R, Bianchi F, Marchitti S, Di Pardo A, Sciarretta S, Rubattu S, Maglione V. Differential Expression of Sphingolipid Metabolizing Enzymes in Spontaneously Hypertensive Rats: A Possible Substrate for Susceptibility to Brain and Kidney Damage. *Int J Mol Sci*. 2021 Apr 6;22(7):3796. doi: 10.3390/ijms22073796. PMID: 33917593; PMCID: PMC8038804.

16: Klionsky DJ and Guidelines Working Group (Sciarretta S). Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*. 2021 Jan;17(1):1-382. doi: 10.1080/15548627.2020.1797280. Epub 2021 Feb 8. PMID: 33634751; PMCID: PMC7996087.

17: Sadoshima J, Kitsis RN, Sciarretta S. Editorial: Mitochondrial Dysfunction and Cardiovascular Diseases. *Front Cardiovasc Med*. 2021 Jan 22;8:645986. doi: 10.3389/fcvm.2021.645986. PMID: 33585590; PMCID: PMC7874211.

18: Sciarretta S, Forte M, Frati G, Sadoshima J. The complex network of mTOR signalling in the heart. *Cardiovasc Res*. 2022 Jan 29;118(2):424-439. doi: 10.1093/cvr/cvab033. PMID: 33512477.

19: Carnevale R, Nocella C, Schiavon S, Cammisotto V, Cotugno M, Forte M, Valenti V, Marchitti S, Vecchio D, Biondi Zoccai G, Rubattu S, Martinelli O, Pignatelli P, Violi F, Volpe M, Versaci F, Frati L, Frati G, Sciarretta S. Beneficial effects of a combination of natural product activators of autophagy on endothelial cells and platelets. *Br J Pharmacol*. 2021 May;178(10):2146-2159. doi: 10.1111/bph.15399. Epub 2021 Apr 24. PMID: 33512008.

20: Cammisotto V, Nocella C, Bartimoccia S, Sanguigni V, Francomano D, Sciarretta S, Pastori D, Peruzzi M, Cavarretta E, D'Amico A, Castellani V, Frati G, Carnevale R, Group S. The Role of Antioxidants Supplementation in Clinical Practice: Focus on Cardiovascular Risk Factors. *Antioxidants (Basel)*. 2021 Jan 20;10(2):146. doi: 10.3390/antiox10020146. PMID: 33498338; PMCID: PMC7909411.

21: Ruberto F, Chistolini A, Curreli M, Frati G, Marullo AGM, Biondi-Zoccai G, Mancone M, Sciarretta S, Miraldi F, Alessandri F, Ceccarelli G, Barone F,

Santoro C, Alvaro D, Pugliese F, Pulcinelli FM; Policlinico Umberto I COVID-19 Group. Von Willebrand factor with increased binding capacity is associated with reduced platelet aggregation but enhanced agglutination in COVID-19 patients: another COVID-19 paradox? *J Thromb Thrombolysis*. 2021 Jul;52(1):105-110. doi:

10.1007/s11239-020-02339-6. Epub 2021 Jan 2. PMID: 33387210; PMCID: PMC7778414.

22: Ikeda S, Nah J, Shirakabe A, Zhai P, Oka SI, Sciarretta S, Guan KL, Shimokawa H, Sadoshima J. YAP plays a crucial role in the development of cardiomyopathy in lysosomal storage diseases. *J Clin Invest*. 2021 Mar 1;131(5):e143173. doi: 10.1172/JCI143173. PMID: 33373332; PMCID: PMC7919732.

23: Frati G, Forte M, di Nonno F, Bordin A, Chimenti I, Picchio V, Cavarretta E, Stanzione R, Bianchi F, Carnevale R, Nocella C, Schiavon S, Vecchio D, Marchitti S, De Falco E, Rubattu S, Paneni F, Biondi-Zoccai G, Versaci F, Volpe M, Pagano F, Sciarretta S. Inhibition of miR-155 Attenuates Detrimental Vascular Effects of Tobacco Cigarette Smoking. *J Am Heart Assoc*. 2020 Dec 15;9(24):e017000. doi:

10.1161/JAHA.120.017000. Epub 2020 Dec 2. PMID: 33317369; PMCID: PMC7955400.

24: Versaci F, Sciarretta S, Scappaticci M, Calcagno S, di Pietro R, Sbandi F, Dei Giudici A, Del Prete A, de Angelis S, Biondi-Zoccai G. Renal arteries denervation with second generation systems: a remedy for resistant hypertension?

Eur Heart J Suppl. 2020 Nov 18;22(Suppl L):L160-L165. doi: 10.1093/eurheartj/suaa158. PMID: 33239993; PMCID: PMC7673618.

25: Carrizzo A, Izzo C, Forte M, Sommella E, Di Pietro P, Venturini E, Ciccarelli M, Galasso G, Rubattu S, Campiglia P, Sciarretta S, Frati G, Vecchione C. A Novel Promising Frontier for Human Health: The Beneficial Effects of Nutraceuticals in Cardiovascular Diseases. *Int J Mol Sci*. 2020 Nov 18;21(22):8706. doi: 10.3390/ijms21228706. PMID: 33218062; PMCID: PMC7698807.

26: Tiseo G, Cavarretta E, Forniti A, Nocella C, Sciarretta S, Spagnolello O, Baldini E, Peruzzi M, Bertazzoni G, Menichetti F, Marullo AGM, Miraldi F, Morelli A, Frati G, Carnevale R, Marco F. Interplay between Nox2 Activity and Platelet Activation in Patients with Sepsis and Septic Shock: A Prospective Study. *Oxid Med Cell Longev*. 2020 Oct 27;2020:4165358. doi: 10.1155/2020/4165358. PMID: 33194001; PMCID: PMC7641261.

27: Limanaqi F, Busceti CL, Biagioni F, Lazzeri G, Forte M, Schiavon S, Sciarretta S, Frati G, Fornai F. Cell Clearing Systems as Targets of Polyphenols in Viral Infections: Potential Implications for COVID-19 Pathogenesis. *Antioxidants (Basel)*. 2020 Nov 10;9(11):1105. doi: 10.3390/antiox9111105. PMID: 33182802; PMCID: PMC7697279.

- 28: Sciarretta S, Forte M, Castoldi F, Frati G, Versaci F, Sadoshima J, Kroemer G, Maiuri MC. Caloric restriction mimetics for the treatment of cardiovascular diseases. *Cardiovasc Res*. 2021 May 25;117(6):1434-1449. doi: 10.1093/cvr/cvaa297. PMID: 33098415.
- 29: Sciarretta S, Schirone L, Sadoshima J. Editorial commentary: How to implement research studies on extracellular vesicle administration in myocardial infarction. *Trends Cardiovasc Med*. 2021 Oct;31(7):416-418. doi: 10.1016/j.tcm.2020.09.003. Epub 2020 Sep 22. PMID: 32976978.
- 30: Pastori D, Carnevale R, Stanzione R, Nocella C, Cotugno M, Marchitti S, Bianchi F, Forte M, Valenti V, Biondi-Zoccai G, Schiavon S, Vecchio D, Versaci F, Frati G, Violi F, Volpe M, Pignatelli P, Rubattu S, Sciarretta S. T2238C atrial natriuretic peptide gene variant and cardiovascular events in patients with atrial fibrillation: A substudy from the ATHERO-AF cohort. *Int J Cardiol*. 2021 Jan 1;322:245-249. doi: 10.1016/j.ijcard.2020.08.077. Epub 2020 Aug 28. PMID: 32861716.
- 31: Peruzzi M, Cavarretta E, Frati G, Carnevale R, Miraldi F, Biondi-Zoccai G, Sciarretta S, Versaci F, Cammalleri V, Avino P, Protano C, Vitali M. Comparative Indoor Pollution from Glo, Iqos, and Juul, Using Traditional Combustion Cigarettes as Benchmark: Evidence from the Randomized SUR-VAPES AIR Trial. *Int J Environ Res Public Health*. 2020 Aug 19;17(17):6029. doi: 10.3390/ijerph17176029. PMID: 32825020; PMCID: PMC7504617.
- 32: Masi S, Ambrosini S, Mohammed SA, Sciarretta S, Lüscher TF, Paneni F, Costantino S. Epigenetic Remodeling in Obesity-Related Vascular Disease. *Antioxid Redox Signal*. 2021 May 20;34(15):1165-1199. doi: 10.1089/ars.2020.8040. Epub 2020 Sep 9. PMID: 32808539.
- 33: Frati G, Versaci F, Sciarretta S. A novel signalling mechanism regulating telomere length in cardiomyocytes. *Cardiovasc Res*. 2021 Jan 1;117(1):13-14. doi: 10.1093/cvr/cvaa210. PMID: 32666074.
- 34: Paneni F, Sciarretta S, Costantino S. Tackling myocardial oxidative stress with empagliflozin: are we big enough to fight heart failure with preserved ejection fraction? *Cardiovasc Res*. 2021 Jan 21;117(2):343-345. doi: 10.1093/cvr/cvaa196. PMID: 32637983.
- 35: Biondi Zoccai G, Carnevale R, Sciarretta S, Frati G. Electronic cigarette. *Eur Heart J Suppl*. 2020 Jun;22(Suppl E):E25-E29. doi: 10.1093/eurheartj/suaa053. Epub 2020 Mar 23. PMID: 32523433; PMCID: PMC7270959.

- 36: Biondi Zoccai G, Carnevale R, Vitali M, Tritapepe L, Martinelli O, Macrina F, Bullen C, Peruzzi M, Cavarretta E, Marullo AG, Abbate A, Romagnoli E, Sciarretta S, Casati R, Visconti G, Versaci F, Frati G. A randomized trial comparing the acute coronary, systemic, and environmental effects of electronic vaping cigarettes versus heat-not-burn cigarettes in smokers of combustible cigarettes undergoing invasive coronary assessment: rationale and design of the SUR-VAPES 3 trial. *Minerva Cardioangiol.* 2020 Dec;68(6):548-555. doi: 10.23736/S0026-4725.20.05181-6. Epub 2020 Jun 2. PMID: 32492988.
- 37: Biondi-Zoccai G, Frati G, Gaspardone A, Mariano E, Di Giosa AD, Bolignano A, Dei Giudici A, Calcagno S, Scappaticci M, Sciarretta S, Valenti V, Casati R, Visconti G, Penco M, Giannico MB, Peruzzi M, Cavarretta E, Budassi S, Cosma J, Federici M, Roeber L, Romeo F, Versaci F. Impact of environmental pollution and weather changes on the incidence of ST-elevation myocardial infarction. *Eur J Prev Cardiol.* 2020 Jun 2:2047487320928450. doi: 10.1177/2047487320928450. Epub ahead of print. PMID: 32484050.
- 38: Peruzzi M, Sanasi E, Pingitore A, Marullo AG, Carnevale R, Sciarretta S, Sciarra L, Frati G, Cavarretta E. An overview of cycling as active transportation and as benefit for health. *Minerva Cardioangiol.* 2020 Apr;68(2):81-97. doi: 10.23736/S0026-4725.20.05182-8. PMID: 32429627.
- 39: Forte M, Schirone L, Ameri P, Basso C, Catalucci D, Modica J, Chimenti C, Crotti L, Frati G, Rubattu S, Schiattarella GG, Torella D, Perrino C, Indolfi C, Sciarretta S; Italian Society of Cardiology Working group on Cellular and Molecular Biology of the Heart. The role of mitochondrial dynamics in cardiovascular diseases. *Br J Pharmacol.* 2021 May;178(10):2060-2076. doi: 10.1111/bph.15068. Epub 2020 May 19. PMID: 32294237.
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According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Roma, 02/05/2022

Prof. Sebastiano Sciarretta