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Decreto Rettore Università di Roma "La Sapienza" n. 169/2018 del 18.01.2018

Lorenzo Loffredo Curriculum Vitae

Place: Rome
Date 14-02-2018

Part I – General Information

Full Name	Lorenzo Loffredo
Place of Birth	Rome, ITALY
Citizenship	Italian
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes (Degree, Experience)
University graduation	1999	Sapienza University of Rome	M.D. degree (110/110 cum laude)
	1999-2004	Sapienza University of Rome	Residency in Internal Medicine
	2000	Sapienza University of Rome	Medical authorization
	2001-2002	I.R.C.S.S. S. Lucia of Rome	Training course in cardio-pulmonary resuscitation
	2004	Sapienza University of Rome	Training statistical course in clinical medicine epidemiology
	2006	Sapienza University of Rome	Advanced training course in medical and surgical angiology.
Specialty	2004	Sapienza University of Rome	Specialization (70/70 cum laude) in Internal Medicine
Licensure 01	2000	Order of physicians of Rome	n. 501218

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
2008	ongoing	Sapienza University	Assistant Professor/researcher in Internal Medicine
2012	2013	Sapienza University - Bracciano	Coordinator of the Integrated Course of Geriatrics III, year I semester – (degree course Physiotherapy "H").

2013	2015	Sapienza University - Pozzilli	Coordinator of the Integrated Course of nursing in critical area and in the emergency, III year I semester – (degree course of Nursing).
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IIIB – Other Appointments

Start	End	Institution	Position
2015	ongoing	Sapienza University – Policlinico Umberto I, UOC MEDICINA Interna C (SMSC05)	Medical Director
2016	ongoing	Società Italiana Per lo Studio dell’Aterosclerosi	President of the Lazio section
2012	ongoing	Health and Medical Research Fund from The Government of the Hong Kong Special Research Council	Reviewer of grants
2013	ongoing	CINECA	Reviewer of grants
2017	ongoing	Oxidative Medicine and Cellular Longevity; ISSN: 1942-0900 (Print) ISSN: 1942-0994 (Online) DOI: 10.1155/2572; I.F.: 4.492; Hindawi Publishing Corporation.	Lead guest Editor of the Special Issue “NADPH Oxidase, ROS, and NO in Cardiovascular Diseases”.
2013	ongoing	British Medical Journal (1 revision), Thrombosis and Haemostasis (32 revisions), Journal of Thrombosis and Haemostasis (6 revisions), The American Journal of Gastroenterology (1 revision), International Journal of Cardiology (39 revisions), British Journal of Pharmacology (5 revisions), European Journal of Clinical Investigation (2 revisions), BMJ open (1 revision), European Journal of Internal Medicine (5 revisions), Scientific Reports (3 revisions).	Referee for top scientific journals (I quartile InCites Journal Citation Report)

Part IV – Teaching experience

Year	Institution	Lecture/Course
2005-2007	Sapienza University - Bracciano	Course of Demo-ethno-antropological studies; integrated course of Psychology and general sociology; I year II semester – (degree course Physiotherapy "H").
2007-2008	Sapienza University - Bracciano	Course of Gynecology and Obstetrics; integrated course of Post-surgical rehabilitation; III year II semester – (degree course Physiotherapy "H").

2011-2012	Sapienza University - Bracciano	Course of Cardiovascular and Pulmonary diseases; III year I semester – (degree course Physiotherapy "H").
2012-2013	Sapienza University - Bracciano	Course of Internal Medicine; integrated course of Geriatrics III, year I semester – (degree course Physiotherapy "H"). Coordinator of the Integrated Course
2010-ongoing	Sapienza University	Master of Echography Internal Medicine (II level)
2009-ongoing	Sapienza University - Latina	Internal Medicine (MED-09); Specialist Degree Course of NURSING AND MIDWIFERY SCIENCES “B”
2013-2015	Sapienza University - Pozzilli	Course of Internal and emergency medicine; integrated course of NURSING IN CRITICAL AREA AND IN THE EMERGENCY III, year I semester – (degree course of Nursing). Coordinator of the Integrated Course
2013-2015	Sapienza University - Pozzilli	Course of Emergency Medicine and surgery; integrated course of NURSING IN CRITICAL AREA AND IN THE EMERGENCY III, year I semester – (degree course of Nursing). Coordinator of the Integrated Course
2008-ongoing	Sapienza University	Course of Internal Medicine; 6 th year, I semester C.d.L. “C” degree course of Medicine and Surgery
2009-ongoing	Sapienza University	Course of Clinical Methodology; 2 nd year II semester C.d.L. “C” degree course of Medicine and Surgery
2016-ongoing	Sapienza University	Course of Internal Medicine; 6 th year, I semester C.d.L. “B” degree course of Medicine and Surgery

Part V - Society memberships, Awards and Honors

Year	Title
2000-ongoing	Society memberships: American Heart Association, Società Italiana di Medicina Interna, Società Italiana Studio Emostasi e Trombosi, Società Italiana per lo Studi dell’Aterosclerosi.
2017-ongoing	Society memberships: European Atherosclerosis Society
2002 and 2008	Awards: young researcher award from Società Italiana Studio Emostasi e Trombosi
2005	Awards: “Role of sCD40L, oxidative stress and antioxidant status in non-valvular atrial fibrillation” research award from Società Italiana di Medicina Interna (Euros 8000).

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2009	“Ruolo della NADPH ossidasi nell’arteropatia obliterante degli arti inferiori”	Progetti Universitari Sapienza University. PI	15000
2009	“Effetto di un trattamento antiossidante sulla NADPH ossidasi in pazienti affetti da arteriopatia obliterante degli arti inferiori”	Progetto Ricerche ATENEO Federato - Sapienza University. PI	15000
2011	“Novel therapies in neurodegenerative diseases: Effects of polyphenols on Amyotrophic Lateral Sclerosis, Parkinson and Alzheimer's disease.”	Ricerche Universitarie Sapienza University. PI	15000
2012	"Novel therapies to counteract atherosclerosis: effect of polyphenols on peripheral vascular disease."	Ricerche Universitarie Sapienza University. PI	12000
2013	"Sleep disordered breathing and cardiovascular risk in children: role of oxidative stress and potential therapeutic implications."	Ricerche Universitarie Sapienza University. PI	12000
2015	“Novel medical treatment for non-alcoholic steatohepatitis: effect of polyphenols.”	Ricerche Universitarie Sapienza University. PI	8000
2016	“Endothelial dysfunction and oxidative stress in children with chronic rhinitis: role of NADPH oxidase.”	Ricerche Universitarie Sapienza University. PI	8000
2017	“Endothelial dysfunction and platelet activation in children exposed to passive smoking: role of NADPH oxidase”.	Ricerche Universitarie Sapienza University. PI	8000

Part VII – Research Activities

Keywords	Brief Description
Atherosclerosis, Thrombosis, cardiovascular disease, Oxidative stress, Endothelial dysfunction,	Dr. Loffredo deals with research in atherosclerosis and venous thrombo-embolism; in particular, he carried out research on anticoagulants, oxidative stress and endothelial dysfunction in several athero-thrombotic diseases (as peripheral arterial disease, atrial fibrillation, metabolic syndrome, obstructive sleep apnoea). He has directed and coordinated multi-center studies such as the "AURELIO" multicenter study (rAte of venoUs

peripheral arterial disease, deep venous thrombosis.

thrombosis in acutely hospitalized patients (in internal medicine wards) or in collaboration with IPINET (Italian Network of primitive immunodeficiencies) and AIEOP (ASSOCIAZIONE ITALIANA EMATOLOGIA ONCOLOGIA PEDIATRICA) for studies in patients affected by chronic granulomatous disease. He participated to the multicenter studies ARAPACIS in patients affected by atrial fibrillation and SIXTUS in patients affected by pneumonia.

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	103	Scopus	1998	2018
Papers [national]	4	Google Scholar	1998	2018
Books [scientific]	4	Google books	1998	2018
Books [teaching]	2	Google books	1998	2018

Total Impact factor	514,4
Impact factor last 10 years	343,3
Total Citations	1623
Average Citations per Product	15.8
Hirsch (H) index	24

*H index divided by the academic seniority.

Part IX – Conference and symposia

Organization or participation as a speaker at national and international conferences:

- Speaker at "Romacuore 2009", presentazione: "Valutazione del danno vascolare subclinico", Rome Nh hotel Vittorio Veneto; 08-10-2009.
- Speaker at XXIII Congresso Nazionale S.I.S.A. (Società Italiana per lo Studio dell' Arteriosclerosi) Rome 25-28 November 2009. "I marcatori precoci di danno vascolare in età pediatrica".
- Speaker at convegno regionale SISA "Nuovi aspetti nella prevenzione cardiovascolare", "I marcatori precoci di danno vascolare: IMT, ABI, FMD", Rome 26-3-2011.
- Speaker at 112° CONGRESSO NAZIONALE della Società Italiana di Medicina Interna ROMA 22-25 October 2011 Rome Cavalieri: with
 - 1) Medicina in Corsia: "La malattia granulomatosa cronica"
 - 2) Gymnasium: Percorsi metodologici per giovani internisti. "Ecografia Vascolare".
- Speaker at Congresso Regionale S.I.S.A. Sezione Lazio "IL MODERNO APPROCCIO DIAGNOSTICO E TERAPEUTICO ALLE DISLIPIDEMIE NELLA PRATICA CLINICA". Rome, 24 March 2012. "Come valutare il danno vascolare precoce".
- Speaker at 113° CONGRESSO NAZIONALE, Società Italiana di Medicina Interna ROMA 20- 22 October 2012 Rome Cavalieri. "Corso Interattivo di Medicina Clinica: Ecografia internistica al letto del malato: Patologia della carotide".
- Speaker at Congresso Regionale S.I.S.A. Sezione Lazio "PRESENTE E FUTURO NELLA PREVENZIONE CARDIOVASCOLARE", 18-5-2013, Roma. "Le vitamine D ed E nell'

- arteriosclerosi e nelle malattie metaboliche: La supplementazione con vitamina E: pro e contro”.
- Speaker at VIII congress SIMI Regione Lazio/Molise ROME, 4-5 APRILE 2014). "Novità in tema di terapia antitrombotica: Trombosi venosa profonda".
 - Speaker at 114° CONGRESSO NAZIONALE Società Italiana di Medicina Interna Roma, 26-28 October 2013, Congress Center Rome Cavalieri:
 - 1) “Gymnasium Ecografia. Casi clinici. Vasi”.
 - 2) “Corso Interattivo di Medicina Clinica Ecografia bedside e trombosi venosa profonda: "Definizione del quadro ecografico patologico"
 - Speaker at "Congresso sulle Immunodeficienze Primitive GdL AIEOP-IPINET", Bari: "Raccomandazioni per la malattia granulomatosa cronica: prevalenza delle infezioni fungine e strategie terapeutiche. Nuove proposte di studio"; 06-06-2014.
 - Speaker at SIMI Regione Lazio/Molise congress (ROMAE, 6-7 Maggio 2016); “Tromboembolismo venoso: nuove strategie terapeutiche Ecografia bedside e trombosi venosa profonda e terapia della fase acuta”.
 - Speaker at congress "Ecografia Clinica Bedside: il fonendoscopio ad ultrasuoni", Fondazione IRCCS Policlinico San Matteo;18-09-2015.
 - Speaker at “Corso SIMI di Ecoscopia ed Ecografia Point of Care: How to do, quadri normali e patologici bedside”. Rome, 9 october 2015 SIMI – “Vascolare e manovre ecoassistite - La gamba gonfia.
 - Speaker at 116° CONGRESSO NAZIONALE Società Italiana di Medicina Interna, CORSO INTERATTIVO "Dopo l’ ecoscopia quando il “second opinion/expert level? L’appropriatezza nelle richieste di angiosonografia (CEUS), eco interventistica, altre tecniche strumentali" - Rome, 10-X-2015 – Congress Centre Rome Cavalieri dal 10-10-2015 al 10-10-2015
 - Speaker at “12a SCUOLA ESTIVA ECOGRAFIA CLINICA della Società SIMI” Bologna, 5-10 June 2016 Ospedale Maggiore.
 - 1) EcoDoppler Point of Care AAI
 - 2) EcoDoppler Point of Care AAI: Casi clinici
 - Speaker CORSI INTERATTIVI SIMI 2016, 13-10-2016 - SIMI Rome; “Corso di Ecoscopia (Ecografia internistica di I° livello) How to do, quadri normali e patologici: sessione: Vascolare e manovre eco-assistite. La gamba “gonfia: CUS.
 - Speaker at the congress "Il trattamento del tromboembolismo venoso nella pratica quotidiana"; "I NAO una nuova opzione per il trattamento del tromboembolismo venoso". Rome, Hotel Sheraton Parco dei Medici; 17-11-2016.
 - Speaker at Congress “Bedside "Il fonendoscopio ad ultrasuoni"”, Sassari 20-1-2016. “la gamba gonfia”.
 - Speaker at the congress “ARTERIOPATIA OBLITERANTE CRONICA DEGLI ARTI INFERIORI - DALLA PLACCA ALL’ISCHEMIA CRITICA”; Terapia antiaggregante o anticoagulante nel paziente con arteriopatia obliterante degli arti inferiori? – Rome, 12-5-2017.
 - Speaker at the congress “Congresso “Romacuore 2017. XIV edizione”, 20-10-2017; “I nutraceutici, un mercato in crescita: avvertenze”.
 - Speaker at “Corso di Ecoscopia (Ecografia internistica di I° livello) How to do, quadri normali e patologici bedside”, “La gamba “gonfia”: CUS”, Rome 26 ottobre 2017.
 - As president of the SISA Lazio organized the regional congress on 13-10-2017 and a course of echography to assess the markers of athero-thrombosis.

Part X– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF, citations.

1: **Loffredo L**, Pastori D, Farcomeni A, Violi F. Effects of Anticoagulants in Patients With Cirrhosis and Portal Vein Thrombosis: A Systematic Review and Meta-analysis. *Gastroenterology*. 2017 Aug;153(2):480-487.e1. doi:10.1053/j.gastro.2017.04.042. Epub 2017 May 4. PubMed PMID: 28479379. *Impact factor 2017 not available – Impact factor 2016:18.392; Total citations: 3; Average citations/year: 3.*

2: Violi F, Sanguigni V, Carnevale R, Plebani A, Rossi P, Finocchi A, Pignata C, De Mattia D, Martire B, Pietrogrande MC, Martino S, Gambineri E, Soresina AR, Pignatelli P, Martino F, Basili S, **Loffredo L**. Hereditary deficiency of gp91(phox) is associated with enhanced arterial dilatation: results of a multicenter study. *Circulation*. 2009 Oct 20;120(16):1616-22. doi:10.1161/CIRCULATIONAHA.109.877191. Epub 2009 Oct 5. PubMed PMID: 19805647. *Impact factor:14.816; Total Citations: 81; Average citations/year: 9.*

3: **Loffredo L**, Carnevale R, Sanguigni V, Plebani A, Rossi P, Pignata C, De Mattia D, Finocchi A, Martire B, Pietrogrande MC, Martino S, Gambineri E, Giardino G, Soresina AR, Martino F, Pignatelli P, Violi F. Does NADPH oxidase deficiency cause artery dilatation in humans? *Antioxid Redox Signal*. 2013 Apr 20;18(12):1491-6. doi: 10.1089/ars.2012.4987. Epub 2012 Dec 7. PubMed PMID:23216310. *Impact factor: 7.667; Total citations: 14; Average citations/year: 2.8.*

4: **Loffredo L**, Del Ben M, Perri L, Carnevale R, Nocella C, Catasca E, Baratta F, Ceci F, Polimeni L, Gozzo P, Violi F, Angelico F. Effects of dark chocolate on NOX-2-generated oxidative stress in patients with non-alcoholic steatohepatitis. *Aliment Pharmacol Ther*. 2016 Aug;44(3):279-86. doi: 10.1111/apt.13687. Epub 2016 Jun 6. PubMed PMID: 27265388. *Impact factor: 7.286; Total citations: 3; Average citations/year: 1.5.*

5: **Loffredo L**, Violi F, Perri L. Sex related differences in patients with acute venous thromboembolism treated with new oral anticoagulants. A meta-analysis of the interventional trials. *Int J Cardiol*. 2016 Jun 1;212:255-8. doi:10.1016/j.ijcard.2016.03.086. Epub 2016 Mar 23. *Impact factor: 6.189; Total citations: 6; Average citations/year: 2.*

6: **Loffredo L**, Carnevale R, Cangemi R, Angelico F, Augelletti T, Di Santo S, Calabrese CM, Della Volpe L, Pignatelli P, Perri L, Basili S, Violi F. NOX2 up-regulation is associated with artery dysfunction in patients with peripheral artery disease. *Int J Cardiol*. 2013 Apr 30;165(1):184-92. doi:10.1016/j.ijcard.2012.01.069. Epub 2012 Feb 14. PubMed PMID: 22336250. *Impact factor: 6.175; Total citations: 18; Average citations/year: 3.6.*

7: Violi F, Pignatelli P, Pignata C, Plebani A, Rossi P, Sanguigni V, Carnevale R, Soresina A, Finocchi A, Cirillo E, Catasca E, Angelico F, **Loffredo L**. Reduced atherosclerotic burden in subjects with genetically determined low oxidative stress. *Arterioscler Thromb Vasc Biol*. 2013 Feb;33(2):406-12. doi:10.1161/ATVBAHA.112.300438. Epub 2013 Jan 3. PubMed PMID: 23288160. *Impact factor: 5.533; Total citations: 31; Average citations/year: 6.2.*

8: Perri L, Pastori D, Pignatelli P, Violi F, **Loffredo L**. Flow-mediated dilation is associated with cardiovascular events in non-valvular atrial fibrillation patients. *Int J Cardiol*. 2015 Jan 20;179:139-

43. doi:10.1016/j.ijcard.2014.10.039. Epub 2014 Nov 10. PubMed PMID: 25464433. *Impact factor: 4.638; Total citations: 9; Average citations/year: 3.*

9: **Loffredo L**, Perri L, Violi F. Myocardial infarction and atrial fibrillation: different impact of anti-IIa vs anti-Xa new oral anticoagulants: a meta-analysis of the interventional trials. *Int J Cardiol.* 2015 Jan 15;178:8-9. doi:10.1016/j.ijcard.2014.10.124. Epub 2014 Oct 22. PubMed PMID: 25464208. *Impact factor: 4.638; Total citations: 16; Average citations/year: 5.3.*

10: **Loffredo L**, Perri L, Catasca E, Pignatelli P, Brancorsini M, Nocella C, De Falco E, Bartimoccia S, Frati G, Carnevale R, Violi F. Dark chocolate acutely improves walking autonomy in patients with peripheral artery disease. *J Am Heart Assoc.* 2014 Jul 2;3(4). pii: e001072. doi: 10.1161/JAHA.114.001072. PubMed PMID: 24990275; PubMed Central PMCID: PMC4310398. *Impact factor: 4.306; Total citations: 25; Average citations/year: 6.25.*

11: **Loffredo L**, Carnevale R, Perri L, Catasca E, Augelletti T, Cangemi R, Albanese F, Piccheri C, Nocella C, Pignatelli P, Violi F. NOX2-mediated arterial dysfunction in smokers: acute effect of dark chocolate. *Heart.* 2011 Nov;97(21):1776-81. doi: 10.1136/heartjnl-2011-300304. Epub 2011 Jul 31. PubMed PMID: 21807659. *Impact factor: 4.223; Total citations: 24; Average citations/year: 3.4.*

12: **Loffredo L**, Martino F, Carnevale R, Pignatelli P, Catasca E, Perri L, Calabrese CM, Palumbo MM, Baratta F, Del Ben M, Angelico F, Violi F. Obesity and hypercholesterolemia are associated with NOX2 generated oxidative stress and arterial dysfunction. *J Pediatr.* 2012 Dec;161(6):1004-9. doi:10.1016/j.jpeds.2012.05.042. Epub 2012 Jun 23. PubMed PMID: 22727869. *Impact factor: 4.035; Total citations: 36; Average citations/year: 6.*

Roma 14-2-2018

Lorenzo Loffredo

A handwritten signature in black ink, appearing to read 'Lorenzo Loffredo', written in a cursive style.