

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name

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Nationality

Italian

Date of birth

WORK EXPERIENCE

**December 2019-present**

Full Professor and Director at First Clinic of Internal Medicine, Department of Internal Medicine, IRCCS Ospedale Policlinico San Martino Genoa and University of Genoa.

**November 2019**

Associate Professor and Director at Department of Internal Medicine, First Clinic of Internal Medicine, IRCCS Ospedale Policlinico San Martino Genoa and University of Genoa.

**November 2016-October 2019**

Associate Professor at Department of Internal Medicine, First Clinic of Internal Medicine (Director: Prof. Franco Dallegri), IRCCS Ospedale Policlinico San Martino Genoa and University of Genoa. Appointed as a Full Professor from December 1st 2019.

**June 2016- present**

Member of C.E.B.R.- Centro di Eccellenza per le Ricerche Biomediche, University of Genoa, Genoa, Italy.

**February 2016-October 2021**

Councillor from 2016 to 2019 in Servizio di Ateneo di simulazione e formazione avanzata (SimAv), University of Genoa, Genoa, Italy.

**June 2015-October 2021**

Councillor and delegate to internationalization of the Head of Department of Internal Medicine (DIMI) from November 2015 to October 2018 and from November 2018 to October 2021, University of Genoa, Genoa, Italy.

**November 2015-October 2018**

Councillor from 2015 to 2018 of the Dean of the Faculty of Medicine, University of Genoa, Genoa, Italy.

**October 2012-September 2015**

"Maitre d'enseignement et de recherche" and "Chef de Clinique" at Department of Internal Medicine, Division of Cardiology, University of Geneva and Geneva University Hospital, Switzerland. Clinical activity: 60%. Research activity: 35%. Teaching: 5%.

**September 2012-Ottobre 2016**

Assistant Professor at Department of Internal Medicine, First Clinic of Internal Medicine (Director: Prof. Franco Dallegri), University of Genoa. Under unpaid license for three years (till September 2015) at Department of Internal Medicine Faculty of Medicine, University of Geneva, Switzerland.

**October 2010-August 2012**

"Chef de Clinique scientifique" at Department of Internal Medicine, University of Geneva, Switzerland. Clinical activity: 15%. Research activity: 80%. Teaching:

	5%.
<b>2008-2010</b>	"Research Assistant" at Department of Internal Medicine, University of Geneva, Switzerland. Research activity: 95%. Teaching: 5%.
<b>2009-2011</b>	PhD at Internal Medicine, University of Genoa, Genoa, Italy.
<b>2003-2008</b>	Resident in Internal Medicine, at First Clinic of Internal Medicine (Director: F. Dallegri), Department of Internal Medicine, University of Genoa, Genoa, Italy.
<b>EDUCATION AND TRAINING</b>	
<b>October 2020</b>	Certificate of Manager Formation to become Director of a Hospital Unit
<b>October 2013</b>	Diploma in Advanced Studies DAS "Management of Clinical trials – good Clinical Practice Implementation and Quality Processes" at University of Geneva, Switzerland. Title of the Thesis: "Role of statins to reduce disease activity and the cardiovascular risk in rheumatoid arthritis (RA) patients: a narrative review of randomized clinical trials".
<b>2013</b>	Licence to clinical private practice in Internal Medicine in Geneva (Svizzera).
<b>April 2012</b>	PhD at University of Genoa, Genoa (Italy). Title of Thesis: "Receptor activator of NF-κB ligand (RANKL) increases neutrophil-mediated cardiovascular vulnerability".
<b>2011</b>	Certificate Module 2: Director in animal experimentation. University Hospital of Lausanne (Switzerland).
<b>2010</b>	Swiss Federal recognition of the titles as MD and Specialist in Internal Medicine.
<b>November 2008</b>	Diploma of Specialist in Internal Medicine at University of Genoa, Genoa (Italy). Title of the Thesis: "New evidences for C-reactive protein (CRP) as intraplaque and systemic cardiovascular risk factor".
<b>2007</b>	Certificate Module 1: Experimenter in animal models. University Hospital of Lausanne (Switzerland).
<b>July 2004</b>	Inscription to the Albo dell'Ordine dei Medici Chirurghi e degli Odontoiatri della provincia di Genova.
<b>June 2004</b>	Diploma of national habilitation to physician practice.
<b>2003</b>	MD at University of Genoa, Genoa, Italy. Title of the Thesis: "Artrite reumatoide e apoptosi dei fagociti".
<b>1997</b>	"Diploma di Maturità", at Liceo Scientifico Statale "E. Amaldi", Novi Ligure (Italy).
<b>PERSONAL SKILLS AND COMPETENCES</b>	
<b>MOTHER TONGUE</b>	<b>Italian</b>
<b>OTHER LANGUAGES</b>	<b>French</b>
Reading skills	excellent
Writing skills	excellent
Verbal skills	excellent
<b>OTHER LANGUAGES</b>	<b>English</b>
Reading skills	excellent
Writing skills	excellent
Verbal skills	excellent
<b>Clinical activity</b>	<ul style="list-style-type: none"> <li>- Director of Clinical Unit.</li> <li>- Specialist in Internal Medicine</li> <li>- Medical care and fellow supervision in clinical Ward of Internal Medicine.</li> <li>- Principal Investigator in Clinical Studies.</li> </ul>
<b>Laboratory activity</b>	<ul style="list-style-type: none"> <li>- Responsible of a Lab Unit including till 9 researchers at Laboratory of Cardiology, University of Geneva, Geneva, Switzerland.</li> <li>- Histology, molecular and cellular biology.</li> <li>- Surgical animal models of cardiovascular diseases.</li> </ul>

## Teaching

- Up to September 2015: Tutorial for second year medical students at Unité de Coeur et Circulation, Faculty of Medicine, University of Geneva: 19 hours in 2010, 16 in 2011, 14 in 2012, 50 in 2013, 61 in 2014, 60 in 2015.
- Since 2016-2019, Docent at School of Nursery, Internal Medicine (second year).
- In 2015, Co-director of PhD Thesis of Dr. Federico Carbone in Internal Medicine clinical and experimental, cycle XXVIII, University of Genoa (Italy). Thesis entitled: "Thrombolysis enhances neutrophil degranulation potentially threatening early reperfusion benefits in ischemic stroke".
- In 2017-present Docent at School of Medicine (Internal Medicine), University of Genoa (Italy).
- In 2017, Director of MD Thesis of Matteo Casula., School of Medicine, University of Genoa, Italy Thesis entitled: "L'elevata espressione dei recettori della Vitamina D (VDR) all'interno di placche aterosclerotiche carotidiche è associata ad un minore rischio di sindrome coronariche acute e ictus".
- In 2018, Director of MD Thesis of Anna Maria Ansaldo (Thesis entitled "I livelli sierici di osteopontina predicono eventi avversi cardiovascolari in pazienti con stenosi carotidea severa") and Daniele Ferrara (Thesis entitled "Alti livelli sierici di Protein C Reattiva (PCR) predicono la riduzione del tessuto adiposo viscerale in donne obese dopo resezione gastrica").
- In 2018-2019, Docent at School of Nutrition for Dietitians (Internal Medicine), University of Genoa (Italy).
- In 2018-present, Docent at School of Podology (Internal Medicine), University of Genoa (Italy).
- In 2018-present, Docent at School of Orthoptists (Internal Medicine), University of Genoa (Italy).
- in 2020, Director of MD Thesis of Davide Ramoni (Thesis entitled "Radiological cerebral reperfusion at 24 h after acute ischemic stroke: prediction of good clinical and functional outcomes and potential correlation between reperfusion and serum inflammatory biomarkers") and of PhD Thesis in Internal Medicine Clinical and Experimental, ciclo XXXII, Università degli studi di Genova (Italia) of Dr. Fabio Rigamonti. Thesis entitled: "Serum lipoprotein(a) predicts acute coronary syndromes in patients with severe carotid stenosis".
- Since 2012-present, Docent at University of Genoa, PhD course entitled: 'MEDICINA INTERNA CLINICO-SPERIMENTALE'. Cycles: 30, 31, 32 and 33.
- Since 2015-present, Docent at School of Speciality in Internal Medicine, University of Genoa.
- Since 2018 -present, Docent at School of Speciality in Vascular Surgery, University of Genoa.
- Since 2018 -present, Docent at School of Speciality in General Surgery, University of Genoa.
- Since 2018 -present, Docent at School of Speciality in Urology, University of Genoa.

## Grants

More than 2 millions euro as research grants.

## Research activity

- Translational research projects on atherosclerosis and its acute complications, such as acute myocardial infarction and ischemic stroke.
- Validation of cardiovascular risk biomarkers.
- Development of murine models of cardiovascular diseases.

## Reviewer

- Reviewer since 2009 of International Peer-review Journals (THROMBOSIS AND HAEMOSTASIS; EUROPEAN JOURNAL OF CLINICAL INVESTIGATION; THE LANCET; NEUROLOGY; EUROPEAN HEART JOURNAL).
- Reviewer for the POLISH INFORMATION PROCESSING INSTITUTE (OŚRODEK

	<p>PRZETWARZANIA INFORMACJI – OPI) in the calls 2012, 2013, 2015, 2016, 2017, 2018, 2019, 2020.</p> <ul style="list-style-type: none"> <li>- Reviewer for the 'AGENCE NATIONALE DE LA RECHERCHE (FRANCE) in 2014 call Physiopatologie, Endocrinologie, Metabolisme et Microbiote.</li> <li>- Reviewer for the SWISS NATIONAL SCIENCE FOUNDATION (SNSF) in 2014 and 2015 calls Division III Medicine and Biologie.</li> <li>- Reviewer for the EUROPEAN COMMISSION (EC) in 2015 call "Collaboration in system Medicina Fundings to promote the implementation of System biologic approaches in clinical research and medical practice (ERACOSYSMED)".</li> <li>- Reviewer for the 'AGENCE NATIONALE DE LA RECHERCHE (FRANCIA) in 2015 call Recherche Hospitalo-Universitaire EN SANTE(RHU)</li> <li>- Reviewer for L'EUROPEAN COMMISSION (EC) in the call "ERACOSYSMED JOINT TRANSNATIONAL CALL FOR PROPOSALS 2017 "2ND JOINT TRANSNATIONAL CALL FOR EUROPEAN RESEARCH PROJECTS ON SYSTEMS MEDICINE", for the SOUTH AFRICAN NATIONAL RESEARCH FOUNDATION (NRF) in 2017, and for the Italian "Ministero dell'Istruzione, dell'Università e della Ricerca" (MIUR) in the EVALUATION OF THE QUALITY OF RESEARCH (VQR 2011-2014) of the Italian Universities in 2017.</li> <li>- Reviewer of the Foundation for Polish Science in 2016 and 2017.</li> <li>- Reviewer of the 'AGENCE NATIONALE DE LA RECHERCHE (FRANCIA) in the "GENERIC CALL" in 2018.</li> <li>- Reviewer of the EU Call- Marie Skłodowska-Curie Actions in 2024.</li> </ul>
<b>Editor</b>	<p>Invited Editor to the International Peer-review Journals: Mediators of Inflammation, Current Vascular Pharmacology, Current Signal Transduction Therapy, Current Pharmaceutical Design, Seminar in Immunopathology, Current Drug Targets.</p> <p>Associate Editor of International Journal of Cardiology and Internal and Emergency Medicine</p> <p>Deputy of the Editor-in-Chief of European Journal of Clinical Investigation.</p> <p>Editor of BioMed Research International.</p>
<b>Patents</b>	<p>2013: FRENCH PATENT APPLICATION FR 1362633: "COMPOSITIONS À BASE DE METHYL-CYCLODEXTRINES POUR LE TRAITEMENT ET/OU LA PRÉVENTION DE MALADIES PAR AUGMENTATION DU TAUX DE CHOLESTEROL-HDL".</p>
<b>Publications</b>	<p>Author of <b>508 publications</b> (228 research articles, 171 reviews, 98 editorials, 11 book chapters).</p> <p>Total Impact Factor for research articles, reviews, editorials: <b>2585.266</b>.</p> <p>H-index: <b>65</b>.</p> <p>Total citations: <b>15389</b> (fonte Scopus online 18<sup>th</sup> November 2024).</p>
<b>CONFERENCES AND MEETINGS</b>	<p>Oral o poster presentations at more than 50 International Congresses and 6 Seminars from 2006 to 2022.</p>
<b>PROJECTS AND GRANTS</b>	<p><b>2008:</b>  <u>EU FP7</u>, Grant number 201668, AtheroRemo, (792'000 Eur, Pricinipal Investigator: Prof. François Mach). Responsibility: Deputy of the PI.</p> <p><b>2010:</b>  <u>Research Grant</u>: The Sir Jules Thorn Trust Reg. Foundation 2010-2011, entitled "Role of systemic and intraplaque inflammatory mediators and endocannabinoids in human carotid plaque vulnerability for ischemic stroke" (85'500 CHF). Responsibility: Principal Investigator.  <u>Research Grant</u>: Fondation Gustave and Simone Prévot 2010-2011, entitled "Role of systemic and intraplaque inflammatory mediators and endocannabinoids in human carotid plaque vulnerability for ischemic stroke"</p>

(25'000 CHF). Responsibility: Principal Investigator.

**2011:**

Research Grant: Swiss National Science Foundation 2011-2013, intitolato "Role of visfatin on inflammatory atherosclerotic vulnerability for ischemic stroke" (FNRS#32003B\_134963), (288'000 CHF). Responsibility: Principal Investigator.

Research Grant: Swiss Heart Foundation 2011. (60'000 CHF, Principal Investigator: Prof. François Mach). Responsibility: Co-applicant.

Research Grant: Centre de Recherche Clinique of Geneva University Hospital 2011-2013 (212'000 CHF, Principal Investigator: Alexandra Calmy).

Responsibility: Co-applicant.

Research Grant: Swiss National Science Foundation 2012-2014 (FNRS#32003B\_135745). (233'700 CHF, Principal Investigator: Alexandra Calmy). Responsibility: Co-Applicant.

**2012:**

Research Grant Swiss Foundation of Cardiology 2012-2013, (75'000 CHF, Principal Investigator: Alexandra Calmy). Responsibility: Co-Applicant.

Research Grant Boninchi Foundation 2012 (50'000 CHF, Principal Investigator: Alexandra Calmy). Responsibility: Co-Applicant.

**2013:**

Research Grant Novartis Foundation 2012-2013, entitled: "Role of visfatin on inflammatory atherosclerotic vulnerability for ischemic stroke" (53'146 CHF).

Responsibility: Principal Investigator.

Research Grant PRA 2012 dell'Università degli studi di Genova, entitled "Ruolo patofisiologico di mediatori infiammatori determinanti la funzione dei neutrofili nella vulnerabilità per ictus ischemico" (6'911 Eur). Responsibility: Principal Investigator.

FP7-INNOVATION I HEALTH-F2-2013-602114; Athero-B-Cell: Targeting and exploiting B cell function for treatment in cardiovascular disease, (531'000 Eur, Principal Investigator: Prof. François Mach). Responsibility: Deputy of the Principal Investigator.

**2014:**

Prix Leenaards 2014 (1'027'000 CHF). Responsibility: Co-applicant.

Research Grant: Swiss National Science Foundation 2014-2017, entitled: "Pathophysiological role of Receptor activator of NF-kappaB ligand (RANKL)/Osteoprotegerin (OPG) pathway in acute cardiovascular diseases" (FNRS#310030\_152639/1), (396'260 CHF). Responsibility: Principal Investigator.

Research Grant PRA 2013 dell'Università degli studi di Genova, entitled "Ruolo fisiopatologico della via di Receptor activator of NF-kappaB ligand (RANKL)/Osteoprotegerin (OPG) negli eventi cardiovascolari acuti" (3'000 Eur). Responsibility: Principal Investigator.

Research Grant: Fonds Valentine Gerbex-Bourget 2014 of Geneva University Hospital, entitled: "Role of Visfatin on inflammatory atherosclerotic vulnerability for ischemic stroke" (31'600 CHF): Responsibility: Principal Investigator.

**2015:**

Research Grant PRA 2014 dell'Università degli studi di Genova entitled: "Ruolo fisiopatologico del trombolitico recombinant tissue plasminogen activator (r-tPA) nell'attivazione dei neutrofili nella fase acuta dopo l'ictus ischemico" (5'000 Eur, Investigatore Principale: Franco Dallegri). Responsibility: Co-Applicant.

**2016:**

Research Grant FRA 2015 dell'Università degli studi di Genova (4'000 Eur). Responsibility: Principal Investigator.

**2017:**

Research Grant FRA 2016 dell'Università degli studi di Genova (6'800 Eur).

Responsibility: Principal Investigator.

Research fund: fund for basic activities in research, Italian Ministry of University and Research (MIUR) (3'000 Eur).

Research Grant: Horizon 2020, entitled "A Multidisciplinary approach for the stratification of patients with carotid artery disease" – TAXINOMISIS. N° 755320. (Eur 218.750, Principal Investigator: Prof. Domenico Palombo).

Responsibility: Co-Applicant.

**2018:**

Research Grant of CARIGE Foundation (23'700 Eur) entitled "Rilevamento precoce della cardiotoxicità da Nivolumab in pazienti con neoplasia polmonare avanzata". Responsibility: Principal Investigator.

Research grant from Italian Ministry of Health – project of the Italian Cardiovascular Network (80'550 euro) entitled: "STRATEGIE INTEGRATE PER LO STUDIO DEI DETERMINANTI CELLULARI E GENOMICI DELLA PLACCA ATEROMASICA" Responsibility: Principal Investigator of WP4 entitled "Ruolo fisiopatologico e prognostico di molecole mediatrici di calcificazione nella stenosi carotidea".

**2019:**

Research grant from Italian Ministry of Health – extension of the Project of the Italian Cardiovascular Network entitled (45'000 euro) intitolato: "STRATEGIE INTEGRATE PER LO STUDIO DEI DETERMINANTI CELLULARI E GENOMICI DELLA PLACCA ATEROMASICA" Responsibility: Principal Investigator of WP4 entitled "Ruolo fisiopatologico e prognostico di molecole mediatrici di calcificazione nella stenosi carotidea".

Research Grant of the Italian Ministry of Health – Project "5 per mille" of IRCCS Ospedale Policlinico San Martino (120'000 euro) entitled: "Ruolo di mediatori infiammatori e geni associati all'invecchiamento nei pazienti affetti da ictus ischemico trattati con trombolisi" Responsibility: Principal Investigator.

Research Grant: Horizon 2020, call: H2020-SC1-BHC-2018-2020, intitolato "Personalized Prevention for Coronary Heart Disease" – COROPREVENTION. N° SEP-210574850. (Eur 942.843,75, Principal Investigator: Prof. Italo Porto). Responsibility: Co-Applicant.

Research Grant: Horizon 2020, call: ERA-NET NEURON, intitolato "STROKE RISK PREDICTION IN ATHEROSCLEROSIS MEASURING CIRCULATING COMPLEMENT SYSTEM PROTEINS" – STATEMENT. N° 755320. (Eur 50.000). Responsibility: Principal Investigator.

**2022:**

Research grant from Italian Ministry of Health – extension of the Project of the Italian Cardiovascular Network entitled (95'000 euro) intitolato: "STRATEGIE INTEGRATE PER LO STUDIO DEI DETERMINANTI CELLULARI E GENOMICI DELLA PLACCA ATEROMASICA" Responsibility: Principal Investigator of WP4 entitled "Ruolo fisiopatologico e prognostico di molecole mediatrici di calcificazione nella stenosi carotidea".

**AWARDS AND HONORS**

6 July 2006: Prize as best oral presentation at "XIII Meeting of Inter-regional Section Piemonte-Liguria-Valle d'Aosta, Italian Society of Internal Medicine", Genoa, Italy.

19 May 2011: Prize as best poster presentation at "4th Meeting of the Center for Clinical Researches, Geneva University Hospital", Geneva, Switzerland.

6 June 2011: Prize DENBER-PINARD of the University of Geneva for the research articles published in 2010, Geneva, Switzerland.

23 March 2012: Poster award 2012 at "European Society for Clinical

Investigation (ESCI) Meeting", Budapest, Hungary

12 June 2013: Cardiovascular Biology Prize of the Swiss Society of Cardiology 2013, Lugano, Switzerland.

2 December 2013: ImmunoTools special Award 2013, Geneva, Switzerland.

27 March 2014: Prix Leenaards 2014 with Dr. Vuilleumier, Prof. Hartley, Dr. Marques-Vidal, Prof. Preisig, Prof. Vollenweider, Lausanne, Switzerland.

8 May 2014: Prize as best poster presentation at "7th Meeting of the Center for Clinical Researches, Geneva University Hospital", Geneva, Switzerland.

18 November 2017: Valsalva Award at XXI National Congress of the Italian Society for Cardiovascular Research (SIRC), Imola, Italy.

19 October 2018: Morgagni Young Investigator Award, Venice, Italy.

30 September 2020: 2020 ESCI Young Investigator Award for Excellence in Clinical Research.

17 November 2020: Paul Dudley White International Scholar Award from the American Heart Association.

#### MEMBERSHIPS

- Invited Expert of International Atherosclerosis Society (IAS Member of the European Society of Cardiology (ESC).

- 2011-2014: Councillor of the European Society for Clinical Investigation (ESCI).

- 2014-2016: Vice-President of the European Society for Clinical Investigation (ESCI).

-2016-2019: Councillor of the European Society for Clinical Investigation (ESCI).

Genoa, May 26<sup>th</sup> 2025

