

# BETTI GIUSTI CURRICULUM VITAE (EU)

## 1. Name

First name: Betti	Last name: Giusti
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## 2. Present Position with Work Address

Position: Full Professor of Clinical Pathology <i>in afference for healthcare to the Atherothrombotic Diseases Center, Careggi University Hospital</i>	Street address or postal address: Largo Brambilla, 3
Name of institution or organization: Department of Experimental and Clinical Medicine, University of Florence	City & postal/zip code: Florence, 50134
Start date (at least year): June 2020	Country: Italy
Referent of the Advanced Molecular-Genetics Laboratory, Atherothrombotic Diseases Center, Careggi University Hospital, Florence From	
Start date (at least year): From 2015	
H-index 43 (Scopus) H-index 50 (Google Scholar)	

## 3. Main University Degrees

Name of university/institute: University of Florence	Degree awarded: Post-Graduate School of Biochemistry and Clinical Chemistry
City & country: Florence, Italy	Year of graduation: 1999
Name of university/institute: University of Florence, Institute of General Medicine and Cardiology	Degree awarded: PhD in Clinical Pathophysiology
City & country: Florence, Italy	Year of graduation: 1997
Name of university/institute: University of Florence	Degree awarded: Master's Degree in Biology
City & country: Florence, Italy	Year of graduation: 1990

## 4. Registration/Medical License number (where applicable)

Number: National Order of Biologists (from 07/21/1993, N. EA_017946)
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## 5. Previous Appointments

Position: Associate Professor of Clinical Pathology <i>in afference for healthcare to Atherothrombotic Diseases Center, Careggi University Hospital</i>	Dates: 2014-2020
Institution/organization: University of Florence, Department of Experimental and Clinical Medicine	City & country: Florence, Italy

## BETTI GIUSTI CURRICULUM VITAE (EU)

Position: Assistant Professor of Clinical Pathology <i>in afference for healthcare to Atherothrombotic Diseases Center, Careggi University Hospital</i>	Dates: 2005-2014
Institution/organization: University of Florence, Department of Medical and Surgical Critical Care	City & country: Florence, Italy
Position: Graduate technical collaborator	Dates: 2000-2004
Institution/organization: University of Florence, Department of Medical and Surgical Critical Care	City & country: Florence, Italy

### 6. Academic Qualifications

Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Member of the committee for the Evaluation of the Quality of Research and Didactics	Dates of attendance: February 2020
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Referent for National and International Research and for relationship with the Office of the Tuscany Region in Brussels (TOUR4EU) for the Department of Experimental and Clinical Medicine	Dates of attendance: September 2019
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Representative of the University of Florence in the Joint Steering Committee under the Framework Agreement between the University of Florence and the National Research Council (CNR)	Dates of attendance: February 2019
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Representative of the Rector of the University of Florence in the Steering Committee of the annual event Por Creo Fesr 2014- 2020 "Generiamo il futuro – Prima Conferenza sulla Ricerca nelle Scienze della Vita in Toscana"	Dates of attendance: July-September 2018
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Designated by the Rector (after approval of the Academic Senate of the University of Florence) Member of the Evaluation Commission for the attribution of the three-year salary class to professors and permanent researchers of the University of Florence for the year 2018	Dates of attendance: 2018
Name of university/institute: University of Florence, Department of Experimental and Clinical Medicine	City & country: Florence, Italy
Qualification: Referent of the Excellence Departments Project founded by Italian University Ministry "International Health Cooperation in the field of health of migrants, ethnic minorities and host communities and travel medicine"	Dates of attendance: 2018-2022
Name of university/institute: University of Florence, School of Human Health Sciences	City & country: Florence, Italy

## BETTI GIUSTI CURRICULUM VITAE (EU)

Qualification: President of the Master's Degree in Medical and Pharmaceutical Biotechnology (LM-9)	Dates of attendance: 2017-2021
Name of university/institute: University of Florence and Careggi University Hospital	City & country: Florence, Italy
Qualification: Member of the Commission for the preparation of the Memorandum of Understanding between the Tuscany Region-Regional Council and the Universities of Florence, Pisa and Siena (signed 5 February 2018) which regulates, within the framework of the national, regional and wide-area planning, the modalities of collaboration between the Tuscany Region - Regional Council and the Universities of Florence, Pisa and Siena, for the integrated activities of assistance, teaching and research, in the joint interest of the protection of the community health	Dates of attendance: 2017-2018
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Member of the Council of the School of Human Health Sciences	Dates of attendance: From 2016
Name of university/institute: University of Florence, Department of Experimental and Clinical Medicine	City & country: Florence, Italy
Qualification: Referent for all requirements related to the evaluation of research quality (VQR).	Dates of attendance: From 2015
Name of university/institute: University of Florence, Department of Experimental and Clinical Medicine	City & country: Florence, Italy
Qualification: Member of the annual Scientific Commissions for the distribution of the Research Funds of the University of Florence (ex-60%) (Commission for the distribution of research funds 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019). In particular, President of the Commission in the last four years	Dates of attendance: From 2013
Name of university/institute: University of Florence, Department of Experimental and Clinical Medicine	City & country: Florence, Italy
Qualification: Elected Member of the Board of the Department of Experimental and Clinical Medicine, as representative of the Section of Critical Medicine and Specialized Medicine, University of Florence (I mandate, election 8/2/2013; II mandate, election 25/10/2016).	Dates of attendance: From 2013
Name of university/institute: University of Siena	City & country: Siena, Italy
Qualification: Member of the Academic Board of the PhD "MOLECULAR MEDICINE - [DOT0330122]	Dates of attendance: From 2012
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Member of the Academic Board of the PhD "NON LINEAR DYNAMICS AND COMPLEX SYSTEMS "[DOT0310403].	Dates of attendance: 2006-2011
Name of university/institute: University of Florence	City & country: Florence, Italy

## BETTI GIUSTI CURRICULUM VITAE (EU)

Qualification: <b>TEACHING ACTIVITIES in</b> Degree in Biotechnology Courses Master's Degree in Medical and Pharmaceutical Biotechnologies Courses Post-graduate School in Clinical Pathology and Clinical Biochemistry Courses Post-graduate School in Medical Genetics Post-graduate School in Infectious Diseases Post-graduate School in Pathological Anatomy Master in Thrombosis and haemostasis: from Molecular Biology to Pharmacology	Dates of attendance: From 2008
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### 8. Honours and Awards

Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Member as local PI of the International Bicuspid Aortic Valve Consortium (BAVCON), Coordinator Prof. Simon C. Body (Brigham and Women's Hospital)	Dates of attendance: From 2017
Name of university/institute: Careggi University Hospital, Atherothrombotic Diseases Center	City & country: Florence, Italy
Qualification: Referent of Advanced Molecular Genetics Laboratory	Dates of attendance: From 2015
Name of university/institute: Italian Society for Atherosclerosis Study (SISA)	City & country: Florence, Italy
Qualification: Elected Member of the Directive Board of the Tuscany section of the Italian Society for Atherosclerosis Study (SISA)	Dates of attendance: 2009-2015
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Participant in the project "Abdominal Aortic Aneurysm GWAS meta-analysis project" (coordinator Matthew J. Bown, University of Leicester)	Dates of attendance: From 2013
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Editorial Board Member of BioMed Research International (Vascular Medicine)	Dates of attendance: From 2014
Name of university/institute: University of Florence	City & country: Florence, Italy
Qualification: Editorial Board Member of Current Pharmacogenomics and Personalized Medicine	Dates of attendance: From 2012
Qualification: Reviewer of Romanian Government projects, Romanian Government through the National Research Council (CNCS - <a href="https://www.uefiscdi.ro/">https://www.uefiscdi.ro/</a> )	Dates of attendance: 2012-2015
Qualification: Reviewer of the projects of the Dutch Veni program (Innovational Research Incentive Scheme) for "The Netherlands Organization for Scientific Research (NWO)"	Dates of attendance: 2011
Qualification: Member of the Working group of European Society of Cardiology (ESC) on Thrombosis	Dates of attendance: From 2010

## BETTI GIUSTI CURRICULUM VITAE (EU)

Qualification: Member of the Study Group Atherosclerosis Thrombosis Vascular Biology-ATBV	Dates of attendance: From 2010
Member of Italian Society for the Study of Hemostasis and Thrombosis (SISSET) Italian Society for the Study of Atherosclerosis (SISA) Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC) International Society of Thrombosis and haemostasis (ISTH)	
REVIEWER FOR INTERNATIONAL, PEER- REVIEWED SCIENTIFIC JOURNALS Lancet (IF=47,831), European Heart Journal (IF=20,212), Circulation (IF=19,309), Clinical Pharmacology & Therapeutics (IF=7,266), Atherosclerosis (IF=4,239), BMC Genomics (IF=3,729), British Journal of Clinical Pharmacology (IF=3,493), American Journal of Cardiology (IF=3,398), Journal of Rheumatology (IF=3,150), European Journal of Internal Medicine (IF=2,960), Thrombosis Research (IF=2.650), BioMed Research International (IF=2,476), Internal and Emergency Medicine (IF=2,340), BMC Medical Genetics (IF=2,198), Neurological Sciences (IF=1,749), Cardiology (IF=1,742), Genetic Testing and Molecular Biomarkers (IF=1,263), Current Pharmacogenomics and Personalized Medicine, etc.	

## BETTI GIUSTI CURRICULUM VITAE (EU)

### 7. Clinical Research Experience (append publication list if available)

#### SCIENTIFIC ACTIVITIES

Professor Betti Giusti scientific activity was dedicated to the comprehension of pathophysiological mechanisms and molecular bases of atherosclerotic and thromboembolic diseases, and extracellular matrix disorders. Since her graduation she has been devoted to research on lympho-monocyte relationships, events associated to lymphocyte-induced monocyte activation, such as cytokine production and procoagulant activity, and role of different lymphocyte subpopulations during immune responses. Her research interests include the study of thrombophilic states and the role of inflammation and immune response in cardiovascular diseases. Moreover, her interest was dedicated to the study of the molecular bases of multifactorial diseases in the field of cardiovascular disease by studying candidate susceptibility genes. She is particularly involved in the evaluation of the mechanistic pathways of platelet activity in high risk vascular patients on antiaggregant therapy and the risk of major adverse cardiovascular events. In this field she contributed to the achievement of original data on the role of genetic variants as determinants of response to clopidogrel and major adverse cardiovascular events. A further issue of her research is the study of the molecular bases of extracellular matrix diseases, such as Marfan syndrome, aortic aneurysms, Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Professor Betti Giusti scientific activity was documented by the presence as co-authors of <200 papers on international journal (H-index=43 verified in Scopus). In the fields of her scientific interests, Professor Betti Giusti was involved in set-up, standardization and application of genetic and non genetic test by innovative and high-throughput technologies for research and diagnosis. In particular, in the last years, Professor Betti Giusti dedicated her efforts in set-up, optimization, application and computational approaches of next generation sequencing (NGS) or high-throughput sequencing (HTS) with research and diagnosis purpose.

#### HEALTH CARE ACTIVITIES

As Manager Biologist of the SOD Atherothrombotic Diseases of the Careggi University Hospital, Prof. Betti Giusti deals with the development, validation and application of genetic and non-genetic diagnostic tests for the National Health Service. In particular, it is involved in the evaluation of platelet function, the pharmacogenetics of clopidogrel and warfarin, heparin-induced thrombocytopenia, anti-Xa activity determination. She is Referent of the Advanced Molecular-Genetics Laboratory for molecular diagnostics (characterization of pathogenetic mutations) in patients with Marfan syndrome and related diseases (familial abdominal aortic aneurysms, Loeys Dietz syndrome, homocystinuria, Ehlers-Danlos, etc.), von Willebrand disease, hereditary bleeding disorders, platelet diseases, familial dyslipidemias. Alongside traditional approach with Sanger direct sequencing, she has developed targeted genes panels high-throughput sequencing that raises the Regional Reference Center for the Marfan Syndrome and Related Diseases and the Regional Reference Center for Thrombosis of the Atherothrombotic Diseases Center among the forefront centers in the field.

She is Referent for the Quality and Safety of the Atherothrombotic Diseases Center. The Center is certified ISO 9001:2015 for "Provision of laboratory services for the atherothrombotic diseases. Provision of specialist outpatient services and clinical counseling related to atherothrombotic pathologies and management of antithrombotic therapies"