

<b>Silvia G. Priori, M.D., Ph.D</b>
Full Professor of Cardiology – Department of Molecular Medicine- University of Pavia - Italy
Director of Cardiology Specialization School - Department of Molecular Medicine - University of Pavia - Italy
Director of Molecular Cardiology Unit and General Medicine III Unit– IRCCS Istituti Clinici Scientifici Maugeri SpA & SB - Pavia- Italy
Director of Cardiovascular Genetic Program - Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC) Madrid - Spain



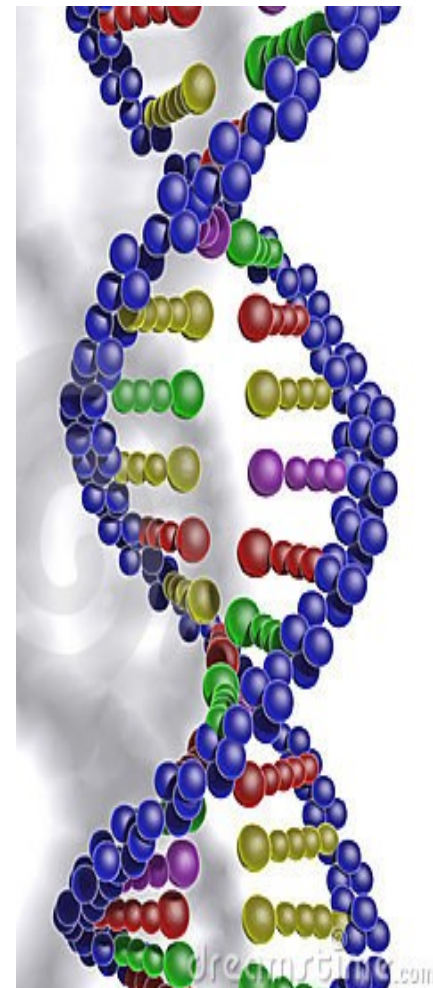
Molecular  
Medicine  
Department  
Pavia - ITALY



IRCCS Istituti  
Clinici Scientifici  
Maugeri SpA-SB  
Pavia - ITALY



Centro National de  
Investigaciones  
Cardiovasculares Carlos III  
(CNIC) Madrid - SPAIN



**“We used to think that our fate was in our stars,  
but now we know that, in large measure,  
our fate is in our genes” - James Watson**

## CURRICULUM VITAE

### PHOTO & SHORT BIOGRAPHY



Silvia G Priori, M.D., PhD was born in [REDACTED]. She graduated in Medicine in 1986 at the University of Milan (Italy) and she became specialist in Cardiology in 1990. In 1995 she obtained a PhD in Cardiac Pathophysiology. Currently, she is Full Professor of Cardiology and Director of Cardiology Specialization School at the University of Pavia (Italy), <http://molecularmedicine.unipv.it/research-groups/cardiology/priori/>, Head of the Molecular Cardiology Unit at the ICS Maugeri and Director of General Medicine III Unit (April 2018-present) Maugeri SpA SB of Pavia (Ex IRCCS Fondazione S Maugeri).

She was the Director of Cardiac Rehabilitation (2010-2018) and Scientific Director of the Istituti Clinici Scientifici (ICS) of Pavia (2008-2019) and Global Scientific Director of the ICS Maugeri (2013-2018).

Dr. Priori is also Director of the Cardiovascular Genetics Program, at the Centro Nacional de Investigaciones Cardiovasculares, Carlos III (CNIC), Madrid, Spain. The Clinic for Inherited Arrhythmogenic Disorders directed by Prof Priori at the ICS Maugeri, is a referral center for patients with Long QT Syndrome, Short QT Syndrome, Brugada Syndrome, Catecholaminergic Ventricular Tachycardia, Dilated Cardiomyopathy, Hypertrophic Cardiomyopathy and Right Ventricular Cardiomyopathy as well as for Competitive Athletes and young patients with "idiopathic" ventricular tachyarrhythmias. The Molecular diagnostic laboratories, accredited with the National Healthcare System (SSN) is tightly linked to the clinics and performs genetic screening for patients with inherited arrhythmias. During the last 20 years Professor Priori has been involved in the study of the mechanisms of cardiac arrhythmias and has contributed to the definition of the relationship between the autonomic nervous system and triggered activity. She has implemented the Unexplained Cardiac Arrest Registry of Europe (UCARE) that has collected the world largest series of patients with a normal heart surviving an episode of ventricular fibrillation. Since 1995 Prof. Priori has been primarily involved in the study of the genetic mechanisms of the inherited arrhythmogenic syndromes. This activity allowed her to achieve important results in the understanding of the genotype phenotype correlation both in vivo and in vitro and in the definition of the electrophysiological consequences of the cardiac ion channel mutations.

Among the major achievements in the study of genetic bases of arrhythmias are the identification of the first gene (RyR2) for a highly malignant form of cardiac arrhythmias and sudden death called catecholaminergic VT (CPVT), the discovery that gain of function mutations of the KCNJ2 gene cause short QT syndrome type 3 and the publication in the New England Journal of Medicine and JAMA of the first genotype-based risk stratification algorithm for the patients with Long QT Syndrome. In 2012 the results of the PRELUDE multicenter clinical study has contributed to redefine the algorithm for risk stratification in Brugada Syndrome.

The basic science research laboratories directed by Professor Priori at the ICS Maugeri have produced several transgenic mouse models that have contributed to the characterization of fundamental aspects of the pathophysiology of catecholaminergic VT (2005-2011). Recently, a new "Gene therapy Unit" has been activated in the research laboratories and in 2012 one of the transgenic animal models of CPVT has been used to develop the first viral gene transfer strategy that has been able to revert all the clinical manifestations of the disease.

Professor Priori has actively contributed to scientific societies in the field of cardiology and electrophysiology holding leadership positions listed in the honours and awards section. Since 2008 Professor Priori directs the inherited arrhythmias program at New York University and she is member of the Board and Chairman of the Committee for the Practice Guidelines of the European Society of Cardiology.

Professor Priori is Vice-President of the European Society of Cardiology and has been and is in the Board of a lot of Scientific Societies (i.e. Heart Rhythm, European Society of Cardiology, Italian Society of Cardiology) and in 2015 in the Scientific Panel for Health of the European Community that serves as a consulting body for the identification of area of research and for the identification of gaps that impair translation of discoveries in science to clinical practice.

Prof Priori has been the president of the European Heart Rhythm Association and has served as Past-President on the Board of Directors of the European Heart Rhythm Association. Professor Priori is Associate Editor of Circulation Research and Member of the Editorial Board of several scientific journals including Circulation, European Heart Journal, Journal of Cardiovascular Electrophysiology, Pacing and Clinical Electrophysiology, Journal of Cardiovascular Pharmacology and Therapeutics.

Professor Priori has published 480 original articles in international journals and has an H-index of 105/WOS 123/SCOPUS 123/Goole Scholar 141 - that contributed to the nomination of one of the 2014 "Highly Cited Researchers", by ISI Thomson-Reuters (cf. <http://highlycited.com>)

**Silvia G. Priori, M.D., Ph.D**

**PERSONAL**

Citizenship Status	Italian
Mailing address	Molecular Cardiology Istituti Clinici Scientifici Maugeri SpA SB Via Salvatore Maugeri n.4, 27100 Pavia – ITALY
Business Phone	+39 0382 592774 (Direct) +39 0382 592040 (Executive Assistant)
Business Mobile	+39 333 8166845 (ITALY)
Fax	+39 0382 592059
Email	silvia.priori@icsmaugeri.it;
Email secretaries	francesca.giovannoni@icsmaugeri.it ;
Languages	Italian,
Researcher unique identifier(s):	Research ID: <b>A-6116-2014</b>
Orcid ID	0000-0001-6877-0288
Scopus A ID	7005713515

**EDUCATION**

1974-1979	BS High School “L. Cairoli”- Vigevano, Italy
1979-1985	Medicine School, University of Milan, Italy
1985-1989	Specialization in Cardiology, University of Milan, Italy
1993-1995	Ph.D. in Cardiac Pathophysiology, University of Milan, Italy

**TRAINING**

Internship	
1980-1982	Human Anatomy, University of Milan, Italy
1983-1985	Clinical Medicine and Therapy Institute, University of Milan, Italy
1985-1988	Fellow in Cardiology, Clinical Medicine and Therapy Institute, University of Milan, Italy
1986	Training fellow in experimental electrophysiology Cardiovascular Division Washington University St Louis, Missouri, USA
1988-1990	Fellow of the American Heart Association, Washington University St Louis, Missouri, USA
1992-1994	Tutor of internal medicine, University of Milan, Italy
1990-1995	Scholarship, Clinical Medicine and Therapy Institute, University of Milan, Italy
1996-1997	Visiting Scientist. Telethon Institute for Genetic and Medicine- Milan, Italy
2017	Curso de formacion para “Personal Responsable del Diseno de Procedimientos Y Proyectos Categoria C” Centre PRBB- Charles River Laboratories Data 13 March – 12 Mayo
13/03/2017-12/05/2017:	Curso de Formaciòn para el Cuidado y Eutanasia de Animales y Realizaciòn de Procedimientos (Funciones A,B y C segùn ECC566/2015), CNIO, Madrid

## CERTIFICATION

1985	MD – degree, University of Milan, Italy
1989	Board of Cardiology, University of Milan, Italy
1995	Ph.D – Degree in Cardiac Pathophysiology – University of Milan, Italy

## HOSPITAL APPOINTMENTS

1997-2000	Assistant Cardiology, Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione IRCCS, Pavia, Italy
Since 2000-present	Director of Molecular Cardiology and Electrophysiology Laboratories, ICS Maugeri SpA SB, (Ex Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione IRCCS), Pavia, Italy
2008-2019	Scientific Director of the Pavia Institute of the ICS Maugeri SpA SB, (Ex Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione IRCCS), Pavia, Italy
2010-2018	Director of Rehabilitation Cardiac Unit, ICS Maugeri SpA SB, (Ex Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione IRCCS), Pavia, Italy
2013-2018	Global Scientific Director ICS Maugeri SpA SB, (Ex Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione IRCCS) Pavia, Italy
2018-present	Director of General Medicine III Unit – ICS Maugeri (Ex Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione IRCCS), Pavia, Italy

## HOSPITAL DUTIES

General Medicine III Unit	Director of clinical activities, coordination of clinical care
Molecular Cardiology Unit	Director of clinical and molecular diagnostic activities, Direction of Research activities in the field of inherited arrhythmias and cardiomyopathies, grant writing, writing of scientific papers
Scientific Direction Pavia (2008-2019)	Coordination of research activities of the ICS Maugeri SpA SB Pavia Center (Ex Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione, IRCCS)

## ACADEMIC APPOINTMENTS

1985	Degree “Medico-Chirurgo” (Dr.), University of Milan, Italy
1989	Degree of Specialization in Cardiology, University of Milan, Italy
1995	Degree “Dottore di Ricerca” (Ph.D), University of Milan, Italy
1997-2000	Adjunct Professor of Cardiology, University of Pavia, Italy
2000-2014	Associate Professor of Cardiology, University of Pavia, Italy – Department of Ematologica, Pneumological Cardiovascular medical and surgical sciences and from November 2011 in the Department of Molecular Medicine (2012)
2004-2006	Adjunct Professor of Pharmacology SUNY Upstate Medical University Syracuse NY, USA
2008-2016	Professor of Medicine and Director Cardiovascular Genetics Program, at the Leon H. Charney Division of Cardiology of the New York University, New York, USA
Since 2014	Full Professor of Cardiology, Department of Molecular Medicine, University of Pavia, Italy
Since 2016	Director of the Cardiovascular Genetics Program, at the Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC), Madrid, Spain
Since 2019	Director of Cardiology Specialization School at University of Pavia, Italy D.R. 1432/2019 prot.n. 54240 on 23 <sup>rd</sup> April for period 2019-2022 starting 1 <sup>st</sup> April 2019.

## ACADEMIC DUTIES

Management activities	Management committee of the Department of Molecular Medicine, University of Pavia Strategic planning committee of the Department of Molecular Medicine, University of Pavia Direction of Cardiology Specialization School, University of Pavia
Teaching activities	Teaching Committee of the "Golgi Medical School" University of Pavia Teaching Committee of the "Harvey Medical School" University of Pavia Committee for doctoral studies (PhD) of the University of Pavia

## OTHER PROFESSIONAL EXPERIENCES

### ITALY

2001-2005	Member of the Board of the Biology and Sport Medicine Center, University of Pavia, Italy
2001-2005	Member of the Board of the Center for Cardiovascular Diseases, University of Pavia, Italy
2013-2014	Member of the "Board of Directors" of the Molecular Medicine Department of the University of Pavia
2013-2017	Member of the Board for the Bioengineering PhD Program of the University of Pavia, Italy
Since 2014	Member of the Strategic Panel Committee of the Department of Molecular Medicine - University of Pavia, Italy
2015-2016	Member of the Board of Directors of the Bracciolini Hospital-San Giovanni in Valdarno, Italy
2017	Member of the Board of the Biomedical Sciences PhD of the University of Pavia, Italy Program - Role: Coordinator of Medical Area
2018	Member of the Board of the Fondazione Regionale per la Ricerca Biomedica (FRRB) di Regione Lombardia, Italy
2020	Member of the Italian Scientific Board for National Abilitation in the sector 06/D1: Cardiovascular and Respiratory Diseases – MIUR (DR n 0001102.17-07-2020)
2020 - present	Councilor in Board of Director of Fondazione Comunitaria della Provincia di Pavia Onlus
2022-2023	Member of the Board of the Biomedical Sciences PhD of the University of Pavia, Italy Program - Role: Coordinator of Medical Area
2022-present	Councilor in Board of Director AZIMUT HOLDING SPA

### ABROAD

2002-2006	Chairman Committee for Practice Guidelines of the European Society of Cardiology
2005-2007	President of the European Heart Rhythm Society (EHRA) a branch of the European Society of Cardiology (ESC)
2007-2009	Past-President and Member of the Board of Directors of the European Heart Rhythm Society (EHRA) a branch of the European Society of Cardiology (ESC)
2010-2013	Member of the Board of Trustees of the Heart Rhythm Society, USA
Since 2014	Member of the Board of Directors of Cardiogen Sciences, Inc
2015-2017	Member of the Awards Subcommittee of the Heart Rhythm Society, USA
2015-2016	Member of the Scientific Panel for Health of the European Union <a href="http://ec.europa.eu/research/health/pdf/mandate-of-the-sph-18062014_en.pdf">http://ec.europa.eu/research/health/pdf/mandate-of-the-sph-18062014_en.pdf</a>



2017-2020	Leader of the inherited ion channel diseases research group of the European Reference Network on Diseases of the Heart (Gateway to Uncommon and Rare Diseases of the Heart, ERN GUARD-HEART).
2018	Co-Chairman of the ESC Congress Programme Committee 2018-2020
2018	Member of the Board of the European Society of Cardiology (ESC)
2019	Member of the Nominations Subcommittee of the Heart Rhythm Society, USA
2020	Vice-President of the European Society of Cardiology (ESC), Sophia Antipolis, France
2020	Member of the European Society of Cardiology (ESC) Statutes Revision Task Force (2020-2022)
2020	Co-Chairman of the European Society of Cardiology (ESC) Declaration of Interest Committee
2022	Member of the Council on Genomic and Precision Medicine Nominating Committee of the American Heart Association

## COMMITTEE SERVICE

1997	Coordinator of the ESC Course entitled "Ventricular Tachyarrhythmias in the young: from molecular biology to the clinic", Sophia Antipolis (France), 20 CME.
1997	Member of the ESC Task Force on Prevention of Cardiovascular Diseases
1999-2001	Chairperson of the ESC Task Force on "Sudden Cardiac Death".
1999-2003	Member of the Scientific Committee of the Italian Society of Cardiology
2002	Chairman of the ESC-ERC Policy Conference for the recommendations for the use of automated external defibrillators (AEDs) in Europe
2002-2006	Member of the Board of the European Society of Cardiology (ESC)
2002	Member of the Board of the Sudden Arrhythmia Death Syndromes (SADS) Foundation.
2003	Member of the ACC/AHA/ESC Committee to Develop Guidelines for the Management of Patients with Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death
2004-2006	Member of the Education Committee of the Heart Rhythm Society (NASPE).
2004-2006	Member of the Board of the Italian Society of Cardiology and Coordinator of the Scientific Research Study Group
2004	Coordinator of the Women's Cardiovascular Health Project of the European Society of Cardiology
2005	Member of the Task Force of the European Society of Cardiology to develop the Guidelines on the Management of Cardiovascular Diseases in Diabetes
2005	Member, on behalf of the Italian Society of Cardiology, of the permanent Committee of the Italian Federation of Cardiology for the Guidelines.
2005	Member of the Scientific and Clinical Documents Committee of the Heart Rhythm Society (NASPE).
2008	Member of the new Press Committee of the European Society of Cardiology as the ESC Spokesperson
Since 2008	Scientific Advisory Board, Fundacion Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid, Spain



## Professor Silvia G. PRIORI's Curriculum Vitae

2013-2015	Chairman Ventricular arrhythmias guidelines of the European Society of Cardiology
2014	Member of the Working Group “Cardiovascular Domain Working Group of the Clinical Genome Resource (ClinGen)” of the National Institute of Health (USA)
2017	Member of the Accademia Olimpica di VICENZA (Italy) Role: Accademico Olimpico Corrispondente – Class Science and Technology
2018	Member of the Board of Directors of the Centro Interuniversitario di Fisiologia Clinica e Ipertensione Milano Italy on behalf of the University of Pavia.
2018	Member of the ESC e-Communication Committee for the period 2018-2020
2018	Member of the ESC Research Committee 2018-2020
2018	Member of the Board of the European Society of Cardiology
2019	Member of the Board of PHD in Biomedical Sciences – filed Physiology of the University of Pavia – Italy
2021	Member of the Board of Professor of the School of Specialization in Pediatrics - University of Pavia, Italy
2021	Member of the Board of Professor of the School of Specialization in Radiology – University of Pavia- Italy
2022	Concillor of the CDA Fondazione Comunitaria della Provincia di Pavia
2022	Councillor of the CDA AZIMUT SpA
2022	Member of the ESC Budget Building Task Force
2022	Member of the Scientific Board of Degree in Medicine and Technologies – MedTec – University of Salento - Italy
2022	Concillor of the Consiglio di Sorveglianza della Fondazione – Centro Nazionale Di Ricerca - Sviluppo Di Terapia Genica e Farmaci con Tecnologia a RNA- Padova- Italy

## AWARDS/ACHIEVEMENTS

1990	Young Investigator Award – Italian Society of Cardiology, Rome, Italy
1994	Cardiovascular Research Award Bristol-Myers Squibb, USA
1994	Fellow of the European Society of Cardiology, Sophia Antipolis, France
1995	Young Investigator Award – Italian Society of Cardiology, Rome, Italy
2001	Outstanding Research Award in Paediatric Cardiology of the American Heart Association, USA
2002	Nomination as “Scholar in Cardiology” Italian Society of Cardiology, Rome, Italy
2003	Sterling Visiting Professorship: SUNY University of Syracuse, NY, USA
2003	The Harry & Ellen Steinbaum Visiting Professorship in Cardiac Electrophysiology Cedar Sinai Hospital and University Los Angeles California USA
2004	“The Michel Mirowski Lectureship”, John Hopkins University, Baltimore, USA.
2005	“Paul Wood Lecture” and medal of the British Cardiac Society, Manchester UK
2006	“Thomas W. Smith Memorial Lecture” of the American Heart Association, USA
2007	“Douglas Zipes Lectureship Award” Heart Rhythm Society, Denver, USA
2007	“Henry H Neufeld” Memorial Lecture of the Israel Society of Cardiology, Israel
2007	“Douglas and Joan Zipes visiting professorship” Krannert Research Center, Indiana University- Indianapolis USA

2007	Honorary Professor of Huazhong University of Science and Technology (HUST) at Wuhan, China
2009	10 <sup>th</sup> Paul Zoll Memorial Lecture at Beth Israel Deaconess Medical Center at Boston, USA
2009	Frank Wilson Lecture, University of Michigan, USA
2010	Leonardo Career Award – Italian Society of Cardiology- Rome – Italy
2011	“The Michel Mirowski” Award, San Francisco, USA
2011	“Leonard N. Horowitz” Memorial Lecture, Philadelphia, USA
2012	Morgagnana Lecture "Geni Aritmici" and Medal, Padova, Italy
2012	The Michael Potter & Family Cardiovascular Genetics Endowed Lectureship, Ottawa, Canada
2012	Sixth Annual NHLI/RBHT Paul Wood - Cardiovascular Lecture Imperial College, London
2013	ESC Rene Laennec Lecture – The European Society of Cardiology-Amsterdam, The Netherlands
2013	International Award Madre Teresa di Calcutta “Inno alla Vita”, Milan, Italy
2014	Heart Rhythm Society Distinguished Scientist Award, The Heart Rhythm Society, San Francisco, USA
2014	Certificate “Highly Cited Researcher in the Field of Clinical Medicine” of the Thomson Reuters.
2015	RT Hall Lecture, “Inherited arrhythmias: from genes to genetic therapy”, CSANZ 2015, Melbourne, Australia
2015	2015 Hans Hect Lecture - University of Chicago
2016	32 <sup>nd</sup> Annual Eward Massie Lecture, “From drug repositioning to gene therapy: taking channelopathies beyond beta-blockers”, Washington University, St Louis, (USA).
2016	Top Italian Woman Scientist Award of the ONDA (osservatorio Nazionale sulla Salute della Donna), Milan (Italy).
2017	“Highly Cited Researcher in the Field of Clinical Medicine” of the Clarivate Analytics
2017	<i>Commendatore all'Ordine del Merito</i> of the Italian Republic – signed President Sergio Mattarella and Prime Minister Paolo Gentiloni
2017	International Award “Angiola Gili e Cataldo Agostinelli” 2017-Accademia delle Scienze di Torino – Torino - Italy
2017	Award ITWIIN 2017 “Migliore Inventrice” “Best Inventor” – Torino - Italy
2018	“Ralph Lazzara” Lecture Award – HRS Congress San Francisco - USA
2018	William Harvey Lecture of the European Society of Cardiology, Munchen - Germany
2018	Ettore Pisello Award – Bevagna- Italy
2019	Commemorative Lecture Jiménez Díaz, Madrid, Spain
2019	“Massimo Calabresi” lectureship, Yale School of Medicine, Yale - USA
2023	The European Society of Cardiology Gold Medal – Amsterdam- The Netherlands
2023	Mark E Josephson Memorial Lecture at the International Symposium on Ventricular Arrhythmias- University of Pennsylvania and Mount Sinai Hospital, New York (October 2023)
2023	85 <sup>th</sup> Best Women Scientists of the World
2024	Gordon K Moe Lecture of the Cardiac EP Society, Heart Rhythm Society (May 2024).

## RESEARCH GRANTS

1995-2004	National Institute of Health (USA) P50 HL52338-07 SCOR in Sudden Cardiac Death. The major goal of this project is to investigate if increased serum potassium improves the repolarization abnormalities and arrhythmias of patient in LQTS.
1996-2000	CEE -PL 96-0028- From molecular biology to clinical management: a novel approach for the long QT syndrome
1998-1999	TELETHON #1058- Genetic and functional characterization of the molecular defects in the Long QT Syndrome
1998-2000	CEE - BMH4-CT98-3872- Unexplained Cardiac Arrest Registry of Europe (UCARE).
1998-2003	National Institute of Health (USA) RO1 HL33843- Long QT syndrome: population, genetic & cardiac studies
1998-2003	National Institute of Health (USA)- R01 HL51618- Long QT Syndrome: Genetic Aspects
1999-2001	Italian Health Ministry: Prevention of Sudden Cardiac Death
2000-2002	Italian Health Ministry: Sudden Infant Death Syndrome: mechanisms and prevention
2000-2003	LEDUCQ Foundation: Molecular epidemiology of hereditary arrhythmogenic disorders
2001-2003	Italian Ministry for the University and the Research: COFIN 2001- 2001067817_003 Pathogenesis and new strategies for cardiac arrhythmias and cardiovascular diseases.
2001-2003	Italian Health Ministry: Clinical, Pathological and Molecular characterization of genetically determined Juvenile Sudden Cardiac Death.
2001-2004	TELETHON GP0227Y01: Clinical experimental and molecular characterization of Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT).
2002-2004	FONDAZIONE CARIPLO: Sudden Death: Clinical, genetic and physiopathological characterization of Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT).
2001-2004	Italian Ministry for the University and the Research: Genetic Channelopathies: identification of markers and their function FIRB 2001 - RBNE01XMP4_006
2002-2004	Italian Health Ministry: Molecular and functional evaluation of genetic cardiac disfunctions.
2003-2005	CV THERAPEUTICS, INC: Effect of Ranolazine on SCN5A Mutated Channels: Implications for the Long QT Syndrome Type 3.
2003-2005	Italian Health Ministry: Inherited Arrhythmogenic diseases and Sudden Death. New models: from epidemiology to functional genomic
2004-2007	TELETHON GGP04066: Molecular pathogenesis of Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT) linked to calsequestrin 2 (CASQ2) mutations
2005-2010	Ministero dell'Istruzione, dell'Università e della Ricerca: FIRB 2003: RBLA035A4X_002 "Terapie biologiche innovative per l'infarto del miocardio"
2004-2006	Italian Health Ministry: New strategies for diagnosis and treatment of highrisk cardiovascular diseases.
2006-2009	European Com. - Sixth Framework programme priority 1- Life Sciences, Genomics and Biotechnology for health: Control of intracellular calcium and arrhythmias. CONTICA

2006-2009	TELETHON GGP06007: Characterization of a know-how in mouse model of patients with catecholaminergic polymorphic ventricular tachycardia (CPVT)
2009-2013	European Com. Arrhythmogenic potential of drugs ARITMO
2008-2013	FONDATION LEDUCQ: Alliance for Calmodulin Kinase II Signaling in Heart Disease
2010-2012	Fondation Veronesi: Cellular Models and experimental therapy for the cardiac defects related with inherited arrhythmogenic diseases
2011-2013	Italian Health Ministry Bando Giovane Ricercatore 2009: Mouse and human induced pluripotent stem cells for myocardial diseases.
2011-2014	TELETHON GGP11141: Mutations of Cardiac Calsequestrin and cardiac arrhythmias: Novel Insights on pathogenesis and therapy
2011-2015	European Com. Guiding Patients Anytime Everywhere - Project Acronym 2 MobiGuide Sixth Framework programme Grant agreement for: Collaborative project n. 287811
2012-2015	ATEL LQTS study- NIH Grant n. 1R01HL114944-01A1
2014-2017	Fondazione CARIPLO: Development of a corrective strategy for the treatment of Brugada Syndrome through normalization of L-Type Calcium Channel
2014-2017	MIUR RF-2011-02348444 Inherited arrhythmias: clinical characterization, genetic geography and experimental studies in the Calabria Region isolate
2014-2018	Gilead research grant: Long QT Syndrome Type 3 Epidemiological profile, risk stratification and personalized management
2015-2016	Gilead research grant: Role of Calmodulin Kinase II inhibitors in a Catecholaminergic Polymorphic ventricular tachycardia in Knock-in animal models.
2014-2017	GR-2011-02346878 Blocking reciprocal down-regulation of sphingosine-1-phosphate receptor -1 and B1-adrenergic receptor as a new therapeutic strategy for improving post-ischemic left ventricular remodeling and dysfunction
2015-2020	European Research Council Grant "EU-rhythmy" ERC-ADG-2014-ID:669387
2017-2020	Eranet Project – FAT4HEART
2017-2022	European Reference Network on Diseases of the Heart (Gateway to Uncommon and Rare Diseases of the Heart, ERN GUARD-HEART)
2017-2019	Funding organism: Ministerio de Economía, Industria y Competitividad, SAF2017-84943-R Title: "Identification of therapeutic targets to rescue protein loss that drives the arrhythmogenic phenotype in recessive catecholaminergic polymorphic ventricular tachycardia"
2018-2020	Funding organism: CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES Title: "Mitocondrias disfuncionales en CPVT ¿El camino hacia un nuevo tratamiento?" Call: Intramural Grants Program – Severo Ochoa (IGP-SO), Reference: 01-2016-IGP
2018-2022	FARE: MIUR – R16WBRM7R7- Identification and validation of therapeutic targets to rescue the mitochondrial damage and the arrhythmogenic substrate associated with abnormal cardiac regulation in Catecholaminergic Polymorphic Ventricular Tachycardia- MITO-RHYTHMY
2020-2023	Fondazione Telethon: <i>"Caratterizzazione strutturale e funzionale di attivatori della proteina HERG come una nuova strategia terapeutica per la Sindrome del QT lungo/structural and</i>

*functional characterization of HERG protein activators as a new therapeutic strategy for long QT syndrome”*

2020-2021	Lombardia Region (Italy) - <i>Rilevanza clinica e prognostica del coinvolgimento cardiovascolare nei pazienti affetti da COVID-19</i>
2022-2025	MUR - PRIN: PROGETTI DI RICERCA DI RILEVANTE INTERESSE NAZIONALE – Bando 2020 Prot. 20205X4C9E. The link between metabolism and epigenetics in myocardial diseases.
2022-2026	PNRR - Centro Nazionale di Ricerca - Sviluppo Di Terapia Genica e Farmaci con Tecnologia a RNA – Spoke 4 & Spoke 9.
2023-2028	Progetto HORIZON-MSCA-COFUND 2022 - “CURE HEART and BRAIN” Associated Partner with Istituti Clinici Scientifici Maugeri – Pavia – Italy Coordinator CNIC, Spain

In the last 14 years my lab has been continuously funded by the major public and private granting agencies including, Italian Ministry of Health, EU (FP6, FP7, ERC), NIH, Italian Telethon, Leducq Foundation.  
The total amount of major past grants is 10,000,000 Euros.

## EDITORIAL AND REVIEW ACTIVITIES

<b>Associate Editor (2016/2019)</b>	Circulation Research
<b>Guest Editor</b>	Circulation
<b>Deputy Editor</b>	Journal of Cardiac Electrophysiology Cardiovascular Research
<b>Senior Consulting Editor</b>	Circulation: Arrhythmia and Electrophysiology
<b>Consulting Editor</b>	Journal of the American College of Cardiology
<b>Consulting Editor</b>	Cardiovascular Research
<b>Consulting Editor (2019-present)</b>	Circulation Research
<b>International Associate Editor</b>	Journal of Arrhythmia of the Japanese Society of Cardiac Pacing and Electrophysiology
<b>Advisory Board</b>	Nature Reviews Cardiology
<b>International Editorial Board</b>	European Heart Journal
<b>Editorial Board Member</b>	International Journal of Heart Rhythm Circulation European Heart Journal Heart Rhythm Journal of Cardiovascular Pharmacology and Therapeutics Pacing and Clinical Electrophysiology American Journal of Cardiovascular Drugs Monaldi Archives for Chest Disease
<b>Review Activities (peer review journal)</b>	Cardiovascular Research Circulation Circulation Research European Heart Journal Europace Heart Rhythm Human Molecular Genetics

**Review Activities  
(congresses)**

Journal of Cardiovascular Electrophysiology  
 Journal of Clinical Investigation  
 Journal of the American College of Cardiology  
 Journal of the American Medical Association  
 Pacing and Clinical Electrophysiology  
 Nature Medicine  
 The Lancet  
 Then New England Journal of Medicine  
 American Heart Association  
 Annual Scientific Sessions Congress  
 European Society of Cardiology  
 Annual Scientific ESC Congress  
 European Heart Rhythm Association EUROPACE Congress  
 Heart Rhythm  
 Annual Congress of the Heart Rhythm

**PATENTS**

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**Granted**

US 7.741.529B1 (22th June, 2010)	"Transgenic animal model for catecholaminergic polymorphic ventricular tachicardia (CPVT) and use thereof"
EU 06763551.6 (28th May, 2010)	"Mutations associated with the long QT syndrome and diagnostic use thereof"
US 8.859.517 B2 (14 <sup>th</sup> Oct, 2014)	"A method of gene transfer for treatment of recessive catecholaminergic polymorphic ventricular tachycardia (CPVT)"
WO 2017/141157A1 (24th August, 2017)"	"Method of allele-specific silencing for the treatment of autosomal dominant Catecholaminergic Polymorphic Ventricular"
Application US 62/776,892 (28 <sup>th</sup> Dec, 2018)	"Predicting patient response to a Sodium Channel Blockers"
Application PCT IB2019/052817 (5 <sup>th</sup> April, 2019) <b>Application Number US</b> 17/045,289 Publication Date: Feb 4, 2021 Publication N. 20210030894	"Compositions and methods for the treatment of dominantly inherited catecholaminergic Polymorphic Ventricular Tachicardia"  Based on Italian Patent Application No.: 102018000004253

**TEACHING & EDUCATIONAL ACTIVITIES**

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1983-1989	Training EKG course for Medical Students
1985-1997	Lectures and seminars form Medical Students, University of Milan, Italy
Since 1997	Lectures and seminars form Medical Students, University of Pavia, Italy
Since 1985	Scientific Oral presentations at national and international meetings
Since 1997	Lectures and seminars form Cardiology Specialization Students, University of Pavia, Italy
Since 2014	Lectures and seminars form Job Medicine Students, University of Pavia, Italy

## Professor Silvia G. PRIORI's Curriculum Vitae

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Since 2013	Lectures and seminars form Bioengineering Students, University of Pavia, Italy
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### **Mentor Activities**

Since 2000	M.D. Thesis in Medicine 1 or 2 students a year
Since 2000	Specialization in Cardiology Thesis 1 a year
Since 2008	Exchange Students program with the New York University (NYU) 4 a year
Since 2010	Thesis Science Biological and Molecular Biology and Genetics 1 or 2 a year
Since 2010	Exchange Brazilian Postdoc in Cardiology Students (San Paolo- Brazil) 4 a year

**I guest 5 foreign students a year that ask to spend a training period (between 1 to 6 months) in Molecular Cardiology Unit**

## SCIENTIFIC ACTIVITIES

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<b>Main Research Areas</b>	Clinical Cardiology
	Inherited Arrhythmias
	Genetics
	Gene Therapy

### **Publications**

Book Editor	4
Full articles on peer reviewed journals	504
Book Chapters	71
H-Index - Web of Science	118
H-Index - Scopus	138
H-Index Scholar	146
Total citations Scholar	274543