

Curriculum Vitae

Sabina Gallina

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Country Italy

Nationality Italian

ACADEMIC POSITION

Competition Sector	December 2019- 06/D2
Scientific Disciplinary Sector	December 2019 MED/11
Qualification	Full Professor
Seniority Role	December 2019
University Seat	Università degli Studi " G. D'Annunzio" Chieti-Pescara
Department	Neurosciences, Imaging and Clinical Science

EDUCATION AND TRAINING

1976: High Grammar School Diploma- Liceo –Ginnasio "G. D'Annunzio" Pescara

- 1982: University Degree in Medicine and Surgery- 110/110 with Honours.
- 1982: License to practise the profession as Doctor Surgeon.
- 1987: Specialization in Cardiovascular System Diseases-University of L'Aquila with full marks and honours.

ACADEMIC POSITIONS

- 1989: Appointed on trial in the role of the VII functional qualification of the scientific-technical area – technical assistant profile.
- 1990-94: Technical Assistant -VII level at the Chair of Cardiology of the Cardiovascular Institute of the Faculty of Medicine and Surgery of the University " G. D'Annunzio"- Chieti-Pescara
- 1994-2000: Technical Officer -VIII level at the Chair of Cardiology of the Institute of Cardiovascular Clinic of the Faculty of Medicine and Surgery of the 'University G. D'Annunzio of Chieti-Pescara
- 2000: Confirmed Researcher-SSD F07C: at the Faculty of Medicine and Surgery of the University G. D'Annunzio - Chieti-Pescara.

- 2001: Confirmed Researcher re-classified in the SSD MED/11 at the Faculty of Medicine and Surgery of the University G. D'Annunzio- Chieti-Pescara.
- 2002: Confirmed Researcher SSD: MED/11 at the Department of Clinical Science and Bio-images at the Faculty of Motor Science Education of the University G. D'Annunzio- Chieti-Pescara.
- 2006: Full time Associate Professor SSD M-EDF/02 at the Department of Human Movement Science- Faculty of Motor Science Education of the University G. D'Annunzio- Chieti-Pescara and since 2014 at the Course of Sciences of Sport and Motor Activities, Department of Neuroscience- Imaging and Clinical Science - University "G. d'Annunzio" - Chieti -Pescara.
- 2014: National Scientific License in First Category for SC 06/N1- validity: 09/06/2014-09/06/2020.
- 2015: Classification SC: 06/N02 "Sciences of Sport and Physical Practise"
- 2018: Full Professor of Methods and Teaching of Sport Activities , Disciplinary Scientific Sector MEDF/02 , Competition Sector 6/N2, at the Course of Science of Motor and Sport Activities, Department of Neuroscience and Imaging and Clinical Science-University "G. d'Annunzio" - Chieti -Pescara

UNIVERSITY ASSIGNMENTS AND SERVICES

- 2005: Member of the Faculty Board of Motor Science Education of the 'University "G. D'Annunzio" - Chieti-Pescara- as representative of researchers and ordinary assistants for the three-year academic period 2002/2005.
- 2006-2009: Responsible for the section of Medicine of Sporting and Rehabilitation activities of the Department of Human Movement Sciences University "G. D'Annunzio" Chieti-Pescara.
- 2013: Member of the Commission for the Regulation Draft ruling the organization and the functioning of the Specialization Schools in medical areas of the University"G. D'Annunzio"- Chieti-Pescara.
- 2018-: Representative of the University "G. D'Annunzio" - Chieti-Pescara in the " Inter-universities Consortium" of the National Institute for Cardiovascular Researches (INRS), for the five-year length 01.01.2019-31.12.2022
- 2018-: Responsible for Quality in the Study Course L022 Sciences of Motor and Sporting Activities.

FURTHER INFORMATION IN RELATION TO THE SCIENTIFIC AND PROFESSIONAL PATH

- 1990: Attendance of Neonatal and Fetal Echocardiography Laboratory of Pediatric Cardiology at the Policlinico Umberto I, chief Professor Francesco Pizzuto.
- 2005: Visiting Fellow at Saint Mary's Hospital, Waller Cardiac Department, London.
- 2009: Visiting Fellow at the Department of Cardiological Sciences, St. George's Hospital Medical School, London.

SCIENTIFIC RESEARCH ACTIVITY

I. STUDY BOARDS AND ORGANIZATION OF RESEARCH GROUPS.

- 1991-1993: Member of the Board of Directors of the Regional Section of the Italian Society of Cardiology.
- 1993-95/1995-97: Regional Delegate of the Italian Society of Cardiovascular Echography S.I.E.C.
- 1999: Participation in the Guidelines Drafting of the Italian Society of Cardiovascular Echography on the topics “Anuloaortic Ectasia and aortic dissection “
- 2000 – 2002: Regional President of the Italian Society of Cardiology, section Abruzzo-Molise.
- 2000: Member of the Commission for the Project on “Echo and ischemic cardiopathy in woman” of the Italian Society of Cardiovascular Echography.
- 2005: Member of the Commission for 'Intra-operative Echocardiography “ of the Italian Society of Cardiovascular Echography.
- 2005: Member of the Study Group Core “Echocardiography”of the Italian Society of Cardiology.
- 2006 – 2008: Regional President of the Italian Society of Cardiology, section Abruzzo-Molise
- 2008: Member of the Board on Heart Failure of the Italian Federation of Cardiology.
- 2013-2015: Regional President of the Italian Society of Cardiology, section Abruzzo-Molise.
- 2013-2014-2015-16: Member of the Study Group Core of “Echocardiography” of the Italian Society of Cardiology.
- 2004-2008: Member of the Study Group of Gender Cardiovascular Diseases of the Italian Society of Cardiology.
- 2010-2012: Coordinator of the Study Group on “Heart Valve Diseases” of the Italian Society of Cardiology.
- 2013-2014: Outgoing Coordinator of the Study Group on “Heart Valve diseases” of the Italian Society of Cardiology.
- 2011: Founder Member of the Society "Multidisciplinary Italian Society for Woman's Health”

- 2013-14: Coordinator of the Study Group “ Gender Cardiovascular Diseases” of the Italian Society of Cardiology.
- 2013-14: Member for the Tutoring Commission of the Italian Society of Cardiology.
- 2017-: Member of the Permanent Board for the Operative Training Sector "Training Programs of general, special and specific competence“ of the Italian Society of Cardiovascular Echography.
- PARTICIPATION AS OFFICIAL MEMBER IN SCIENTIFIC SOCIETIES
- 1986-: Italian Society of Cardiology SIC
- 2002: Italian Society of Sport Cardiology
- 1989-: Society of Cardiovascular Echography.
- 1990-: Italian Society of Cardiovascular Echography.
- 2018-: European Society of Echocardiography.

II. SCIENTIFIC HONOURS

- 2003: Fellow American College of Cardiology
- 2004: Fellow European Society of Cardiology
- NATIONAL AND INTERNATIONAL MAGAZINES REVISER
- International Journal of Cardiology
- Medicine
- PlosOne
- Journal of Cardiovascular Medicine
- Journal of Strength and Conditioning Research
- Ultrasound in Medicine and Biology
- Journal of Ultrasound
- Frontiers in Cardiovascular Medicine

III. PARTICIPATION OR COLLABORATION IN RESEARCH PROJECTS

- 2012 – Research Collaboration with Tuscany Foundation Gabriele Monasterio for Medical Research and Public Health CNR- Tuscany Region, cardiovascular endocrine-gynecology service, Chief in charge Dr. Silvia Maffei.
- 2013- Participation in the drafting of the Research Project of the Italian Society of Cardiology and of the Italian Society of Gynecology entitled “Gender Differences in Perception, Knowledge and Awareness of Cardiovascular Risk”
- 2013- Participation as Responsible of the Cardiovascular Assessment in the project “ Training for Health “ conducted in patients affected by breast cancer.

Collaborations with Foreign Institutions

- 2008: Collaboration “Centre d'Expertise de la Performance” of Dijon (France) and with the State University of Milan within the work project “Effects of respiratory muscle training on cardiopulmonary performance in elite athletes”
- 2012-15: Research collaboration with Adult Cardiac Surgery Department of Ryad , Director Prof Antonio Maria Calafiore.
- 2018: Research Collaboration with Prof. Artur Fedorowski (Lund University)

IV. SCIENTIFIC RESPONSIBILITY OF RESEARCH PROJECTS (COMPETITIVE CALLS)

- 2001: Scientific Responsible for the operative Unit PRIN 1998 within the National Project : “Role of genetic, infective, neuro-humoral, hemocoagulative factors, in the anatomical functional coronary-microcirculatory and myocardial impairment in ischemic cardiopathy of the young entitled . “Effects of purines on microcirculatory endothelial damage in isolated and working heart of young and old rat.”.
- 2008: Scientific Responsible of the operative Unit within the National Project PRIN “Sudden Death risk stratification in the subject practicing sport at competitive level, identification of clinical, instrumental, bio-humoral and genetic predictive markers “ entitled “Analysis of adrenergic activity in the assessment of sudden death risk in a population of athletes”.
- 2015: Clinical Experimentation Coordination, section of the University Chieti-Pescara Project sponsored by ECSEL " Electronic Systems of components for the " European Leadership Joint Undertaking" Astonish : Advancing Smart Optical Imaging and Sensing for Health H2020-ECSEL-2015-1-RIA-
- 2018: Participation PRIN within the National Project entitled "Women Work for Women healthcare: gender approach for tailoring diagnostic and therapeutic tools in clinical and regenerative medicine".
- 2019: Clinical Experimentation Responsible for the Project ADAS-ADAS+co-sponsored by MIUR-PON

TEACHING ACTIVITIES

ASSIGNMENTS OF TEACHING MODULES AND COURSES TO DEGREE COURSES AND SPECIALIZATION SCHOOLS.

I. At the University Degree Courses in Medicine and Surgery, Nursing and Dietary.

- AY 1993-94-1999-2000: Expert of the subject on cardiovascular system and member of the exams Commissions for the Course of Medicine and Surgery - University "G. D'Annunzio" Chieti-Pescara

- A.Y 2003/2004-: Teaching in the Integrated Course of Systematic Pathology I of the University Degree Course in Medicine and Surgery.
- A.Y. 1998/1999-2008/2009: Teaching of Cardiovascular System Diseases (MED/11) at “ The School directed to special purposes for Cardiocirculatory Physiopathology Technicians “ and next in the University Degree Course in Techniques of Cardiocirculatory Physiopathology and Cardiovascular Perfusion.
- AY 2000/2001-2011/2012: Teaching of Cardiovascular System Diseases (MED/11) and Coordinator of the Integrated Course of Nursing applied to Cardiovascular Pathologies of the University Degree in Nursing.
- A.Y. 2012/2013: Teaching of Cardiovascular System Diseases (MED/11 and Coordinator of the Integrated Course of Nursing Sciences in specialist and integrated medicine of the University Degree Course in Nursing.
- A.Y. 2000/2001-: Teaching of Cardiovascular System Diseases (MED/11) and Coordinator of the integrated Course “Cardiovascular, Renal and ENT Diseases” at the University Degree Course of Dietary.
- A.Y. 2000/2001-2015/16: Teaching of Cardiovascular System Diseases (MED/11) and Coordinator of the Integrated Course “ Cardiovascular System Diseases, Allergology and Legal Medicine” at the University Degree Course of Dietary.
- A.Y. 2015/2016-: Teaching of Cardiovascular System Diseases (MED/11) and Coordinator of the Integrated Course “ Cardiovascular, Respiratory and Allergology Diseases” at the University Degree Course of Dietary.
- **At the bachelor and senior Courses of Motor Sciences** (University Degree Courses in Motor Sciences ,Sciences of sporting and motor activities and Sciences and Techniques of Preventive and Adaptive motor Activities):
- A.Y.2001/2002-2010/2011 Teaching of “Cardiovascular System Diseases of Childhood and of Motor Activities”(MED/11)and Coordinator of the Integrated Course of “Physiopathology of cardiovascular and respiratory Systems” of the University Degree Course in Motor Sciences.
- A.Y.2001/2002-2008/2009 Teaching of “Cardiovascular System Diseases” (MED/11) and Coordinator of the Integrated Course of Rheumatology and Cardiovascular System Diseases of the Senior University Degree Course in “Sciences and Techniques of Preventive and Adaptive Motor Activities ”
- A.Y.2010/2011-: Teaching of “Cardiovascular System Pathologies”(MED/11) of the Integrated Course of Medical Specialty applied to Motor Sciences of the University Degree Senior Course in “ Sciences and Techniques od Preventive and Adaptive Motor Activities.”

- A.Y.2010/2011-2011-2012 Teaching of “ Theories and Methods of Training.”(M-EDF/02 of the University Degree Course in “Sciences of Sporting and Motor Activities”.
- A.Y.2013-14-: Teaching of "Principles and Techniques for physical preparation “(M-EDF/02) of the University Degree Course in Sciences of Motor and Sporting Activities”.
- A.Y. 2016-17- Teaching of “Cardiovascular Adaptation to physical exercise”(M-EDF/02) and Coordinator of the Integrated Course of “ Principles of the Integrated Course of Principles of Medicine applied to Motor Sciences of the University Degree Course of Sciences of Sport and Motor Activities “.

II. At the Specialization Schools of Medical Area :

- A.Y.1990/1991-2018/2019: Specialization School in Cardiovascular System Diseases- of Cardiology - University "G. D'Annunzio" Chieti-Pescara
- A.Y.1994/1995 -2010/2011: Specialization School in Thoracic Surgery University "G. D'Annunzio" Chieti-Pescara
- A.Y. 1996/1997- 2012-2013- 2018-2019/2020: Specialization School in Geriatrics University "G. D'Annunzio" Chieti-Pescara
- A.Y. 2003/2004- 2008/2009: Specialization School in Cardiac Surgery University "G. D'Annunzio" Chieti-Pescara
- A.Y. 2007/2008-2013-14: Specialization School in Sport Medicine University "G. D'Annunzio" Chieti-Pescara.
- A.Y.2015/16-2019/2020: Specialization School in emergency – urgency of the University "G. D'Annunzio" Chieti-Pescara
- A.Y. 2015/16-2019/2020: Specialization School in Nutrition Sciences – University “G. D'Annunzio" Chieti-Pescara.
- A.Y. 2018/19-2019/2020: Specialization School in Sport Medicine and Physical Exercise "University "G. D'Annunzio" Chieti-Pescara.
- AY. 2018-19-2019/2020: Specialization School in Endocrinology- University "G. D'Annunzio" Chieti-Pescara.

III. TUTORSHIP ASSIGNMENTS

- 1998-: Responsible for tutorship of the Echocardiography Service of the University Cardiology of the Cardiac Surgery and Cardiology Department of Chieti.
- A.Y:2012-2013-2016/17: Coordinator for the teaching activity of the Specialization

School in Sport Medicine and in Sport Medicine and Physical Exercise.

- Role filled as “tutor” of the students of the University Degree Courses in Medicine, Surgery and Sciences of Sport and Motor Sporting Activities.
- Assistance for students and residents both in learning and preparation of Diploma and graduation thesis.
- As Relator, Co-Relator and Contra-relator, 230 theses have been followed in University Degree and Specialization Courses in cardiovascular system diseases and Cardiology.

IV. INTEGRATIVE AND TUTORING COORDINATION ACTIVITIES

V. TEACHING ASSIGNMENTS IN ADVANCED COURSES AND MASTER

- A.Y. 2001-2002: Tutor in the Advanced Course of Emergency Surgery of the University of Chieti.
- A.Y 2003: Tutor and Coordinator of the “Updating Course in Transthoracic and Perioperative Transesophageal Echocardiography” at the Cardiac Surgery Clinic - University of Turin directed by Professor Antonio Maria Calafiore.
- A.Y. 2003: Tutor and Scientific Co-Director of the Advanced Course in Echocardiography of the University “G. D’Annunzio” - Chieti.
- A.Y.2005: Tutor and Scientific Co-Director of the advanced Course in Echocardiography of the University “G. D’Annunzio” - Chieti.
- A.Y 2007-08-2008-09: Tutor of the Sport Cardiology Master of the University of L’Aquila financed with EEC POR Funds.
- A.Y. 2011-2012: Tutor of I and II level Master in “Techniques in Echocardiography and Trans-esophageal Perioperative Echocardiography” University of l’Aquila.

Ph D.

- A.Y: 2013-2020: Member of the Teaching Staff of the P.h.D. in Medical Biotechnologies (XXIX-XXXV cycle) of the “University” G. D'Annunzio" Chieti Pescara.
- A.Y: 2009-2012: Member of the Teaching Staff of the Ph.D. in Biomedical, cytomorphological and Motor Sciences (XXV-XXVII cycle) of the University "G. D'Annunzio" Chieti Pescara-
- Responsible for the Curriculum “ morpho-functional Responses vs physical exercise “ of Biomedical, Cytomorphological and Motor Sciences in the cycles XXV- XXVI- XXVII - XXVIII Faculty of Motor Education Sciences of the University “G. D’Annunzio” Chieti-Pescara.
- A.Y: 2003-2007: Member of the Teaching Staff of the Ph.D. in Sciences of Motor System

(XIX-XXIII cycle) - 'University "G. D'Annunzio" Chieti Pescara

- 2013: Member of the judging Board for the assignment of the title as Ph.D. in Cardiorespiratory Physiopathology XXV Cycle of the University "Sapienza" Rome.
- 2014: Member of the judging Board for the assignment of the title as Ph.D. in Cardiovascular Sciences XXVI cycle of the University of L'Aquila.
- 2016: Member of the judging Board for the assignment of the title as Ph.D. in Cardiovascular Sciences XXVII e XXVIII cycle of the University of L'Aquila.

Ph.D Thesis Tutoring: Tutor for the thesis :

- " The improvement of performance in elite athletes practicing power sport, through the assessment of expression of explosive force while monitoring heart rate." (Ph.D Domenico Molfetta – Biomedical, Cytomorphological and Motor Sciences- Curriculum " Cytomorphological Responses to physical exercise" Cycle XXIV)
- " Assessment of bio-humoral markers of neuroadrenergic activity predictive of cardiopathy at risk of cardiac sudden death in subjects practicing sport activity at competitive level showing echocardiography and electrocardiography borderline anomalies" (Dott. F. Iachini - Biomedica ,Cytomorphological and Motor Sciences - Cycle XXV).
- " Analysis of the relations between cardiovascular system, post-menopause health and the effects of controlled exercise." (Ph.D Emanuele D'Angelo- Biomedical, Cytomorphological and Motor Sciences - Curriculum " Cytomorphological Responses to physical exercise" Cycle XXIV.
- "Adherenceto physical exercise and cardiometabolic remodelling in female population: : analysis of a physiopatological continuity, from menopause to breast cancer." (Ph.D Valentina Bucciarelli Biomolecular and Pharmaceutical Sciences - Curriculum Biomolecular Sciences - XXXII Cycle).

Tutoring, Training and Laboratories.

VI. MEMBER OF THE BOARD FOR COMPARATIVE EVALUATIONS PROCEDURES

- 2001: Commissioner of the Comparative Evaluation Procedure of n. 19 posts as Researchers of the University of Rome "La Sapienza", for the SSD F07C (MED/11).
- 2003: Commissioner for the Comparative Evaluation Commissioner of n. 1 post as Researcher -University of L'Aquila, disciplinary -scientific sector MED/11 Cardiovascular System Diseases.
- 2004: Commissioner for the Comaparative Evaluation Procedure for n.1 post as Researcher at the Faculty of Medicine and Surgery -University of Genua, SSD MED/11 Cardiovascular System Diseases .

- 2015: Commissioner for the Comparative Evaluation Procedure for the recruitment of a fixed-term at the University of Naples Parthenope – Department of Motor and Fitness Sciences, competition sector :11/d2 – teaching- special pedagogy and educational research-sector s.d. Medf/02 – methods and teaching of sport activities.
- I. 2014: Appointment by Miur as Member of judging Commission for the Role Confirmation of University Researchers SSD M-EDF/02
- II. A.Y. 2007-08: Member of the Commission for the assignments of Research grants at the Faculty of Motor Sciences Education.

ASSISTANCE ACTIVITY.

- Internal Doctor at the Department of Cardiology of the Hospital San Camillo del Lellis of Chieti in the periods: from 1/08/84-30/6/85; 21/10/85-26/8/87; 3/09/87-26/08/88.
- From 1/1/89 to 31/12/89 she has been internal student of the Cardiovascular Clinic Institute of the Faculty of Medicine and Surgery of the University "G. D'Annunzio" Chieti-Pescara.
- Consultant Cardiologist of the University Centre of Sport Medicine since 2003 up to now.
- Since 1998 to 2003 she has carried out clinical-assistential activity at the Department of Cardiac Surgery of the University "G.D'Annunzio"- Chieti up to now.
- Since 2000 and up to now she has been carrying out clinical-assistential activity at the U.O Cardiology B then Cardiology Program and UOC of University Cardiology - SS. Annunziata Hospital in Chieti.

SCIENTIFIC ACTIVITY PERFORMED

Main Lines of the Researches carried out.

The research area is to be placed within the studies on cardiovascular system. In particular, topics of research have been the study on morpho-functional modifications and physiopathology of heart valve diseases, heart failure, myocardiopathies both in human models and rats.

In recent years, beyond the continuity of the research lines mentioned above, Professor Gallina has been committed in the study of the right ventricular function and of pulmonary circulation by means of ultrasound techniques as well as in the instrumental assessment and bio-molecular study of cardiovascular adaptations induced by physical exercise in different populations.

Since 1989 she has collaborated to the development and organization at the Institute of Cardiovascular Clinic of Non-invasive Cardiology Laboratory. (Echocardiography, pressure

monitoring, electrocardiography), working mainly on the section of Echocardiography Color-Doppler both by trans-thoracic and trans- esophageal technique.

She has also participated in the realization of the Experimental Cardiology Laboratory.

In relation to the studies and researches of Experimental Cardiology, she has conducted assessments on hearts of working rats, isolated and perfused as well as on the role of the interstitial edema and myocardial dehydration. She has collaborated on studies about ischemia -experimental reperfusion evaluating the cardioprotective effects of different drugs.

The use of Echocardiography method has allowed her to start a collaboration with the Centre of Cardiac Surgery of the Institute of Cardiovascular Clinic in evaluating the mechanical function in different types of cardioprotection used, as well as the validity of ultrasound technique in the operating room both in patients affected by coronary artery disease and heart valve diseases.

She analysed in her studies from the clinical, instrumental and prognostic point of view , patients submitted to myocardial revascularization, as well as the factors at the basis of the evolution towards ischemic cardiomyopathy, ventricular remodelling and the incidence of major and minor cases, among which the presence and entity of pericardial effusion and the incidence of post-coronary revascularization atrial fibrillation.

The Echocardiography-doppler methods within cardiac surgery and heart failure has been used for studying the indication to the operation of the different types of left ventricular remodelling both chronic as surgical mitral valve repair and acute distinguished in ventriculoplasty according to Battista and aneurysmectomies.

In the field of Sporting Cardiology she has worked on the evaluation of cardiovascular remodelling and on markers variations of the inflammatory state and oxidative stress as well as on the neuro-hormonal response induced by physical exercise in competitive and non-competitive athletes. She has participated in research projects for the etiopathogenesis of sudden death in sport activity. She supervised the carrying out of researches regarding cardiovascular effects of different types of physical exercise on women populations in menopause or affected by breast cancer.