July 2026

Michele Emdin, MD, PhD



Artwork by Ursula Ferrara

CURRICULUM VITAE ET STUDIORUM

Prof. Michele Emdin, MD, PhD, FESC, FHFA



PERSONAL INFORMATION

Name	**MICHELE EMDIN**
Home address	
Telephone/Mobile	
Fax	
E-mail	
Nationality	
Date of birth	
University address	**Sant'Anna School of Advanced Studies (Scuola Superiore Sant'Anna)** **Health Science Interdisciplinary Center** **Piazza Martiri della Libertà, 33, 56121, Pisa, Italy**
Hospital address	**Fondazione Toscana Gabriele Monasterio** **Cardio-Thoracic Department** **San Cataldo Hospital, CNR Research Area** **via Giuseppe Moruzzi 1, 56124, Pisa, Italy**

Biosketch

Michele Emdin is Full Professor of Cardiology ("Malattie dell'Apparato Cardiovascolare"), Member of the Faculties of the Ph.D. Courses in Translational Medicine and in Health Science, Technology and Management at the Sant'Anna School of Advanced Studies, Pisa, Italy ("Scuola Superiore Sant'Anna"), Contract Professor of Pathophysiology and Diagnostics at the Department of Physics, University of Pisa, Italy. At the Scuola Superiore Sant'Anna he is the Past Coordinator of the Health Sciences Interdisciplinary Center (https://www.santannapisa.it/en/health-science), an area of multi- and interdisciplinary research involving various professionals from the School who work in medical, bioengineering, computer science, economic and management, social, and legal fields. The Center aims to overcome the rigid categorizations of scientific disciplines, enabling dialogue and synergies on the theme of Health to develop joint research projects, training activities, and outreach efforts.

He is also Director of Cardiothoracic Department and Director of the Cardiology and Cardiovascular Medicine Division as well as of the Lipoapheresis Unit, at the Foundation Toscana Giuseppe Monasterio (https://www.monasterio.it), a large Teaching and Research Hospital, reference Center for Cardiovascular Disease care in Tuscany, Italy. There his activity is dedicated to patient-centered care, clinical research guidance, mentoring, and search for novel organiztive pattern of health provision to cardiovascular patients, in tigh connection with the Tuscany public health system institutions nad governance.

He was graduated from Pisa and Milan University with M.D. and Cardiovascular Pathophysiology Ph.D. degrees in 1983 and 1992 at Pisa and Milan University, Italy, respectively. His Graduation Thesis was on the Prinzmetal's angina related dysrhythmias, his Ph.D. dissertation research was on autonomic impairment in cardiac Chagas' disease. He received Cardiovascular Medicine in 1987 (Thesis on the electroncephalographic patterns in nocturnal angina pectoris patients) and Nuclear Medicine Specialty degree in 1997 (Thesis on myosin as a novel marker of cardiac damage, respectively) at Pisa University, Italy, and a Master Degree in Health Service Management in 2009 at the Sant'Anna School.

He worked as an Intern and Resident in Cardiology at the Institute of Clinical Physiology (branch of the Italian National Research Concil, CNR, Director Prof. Luigi Donato, who was his Mentor) in Pisa, Italy, studying the pathophysiology of ischemic heart disease and heart failure, and the neuroendocrine control of the cardiovascular system in health and disease, in collaboration with the MIT in Boston and other international research groups.

Emdin's research during the last decades, conducted with the group of distinguished Researchers he guides (now including cardiologists, Claudio Passino, Alberto Giannoni, Giuseppe Vergaro, Andrea Barison, Roberta Poletti, Alessandro Valleggi, Alberto Aimo, Vincenzo Castiglione, Francesco Gentile, Iacopo Fabiani, Christina Petersen, public health specialists as Filippo Quattrone, biologists as Maria Franzini, cardiopathologists as Angela Pucci, nursing specialists as Angela Durante, among others) and with strong National (Michele Senni, Piergiuseppe Agostoni, Massimo Piepoli, Gianfranco Sinagra, Claudio Rapezzi, Giampaolo Merlini, Federico Perfetto, Iacopo Olivotto, Gianluca di Bella, among others) and International collaborations (James Januzzi, Alan Maisel, Rudolf De Boer, Antoni Bayes Genis, Hans Peter Brunner LaRocca, Mark Richards, Carolyn Lam, Richard Throughton, Alain Cohen Solal, Marianna Fontana, Julian Gilmore, among others), has examined the pathophysiology of ischemic heart disease,cardiomyopaties, cardiac amyloidosis, heart failure and the role of neurohormonal derangement in the evolution of heart failure, as well as mechanisms of cardiovascular diseases, innovation in diagnostics, and therapeutics of cardiovascular diseases.

His research has substanstial translational features, as his publications dealt with T0/T1 translational research stage (i.e. preclinical bench and animal studies), as well as with T2 (Phase 2 and phase 3 clinical trials, observational studies, epidemiological observation), that is the path from basic science to human studies, T3 (phase 4 clinical trials and clinical outcomes research) and T4 translational research (population level outcomes research) stages. His research output (Scopus 1984 - 2025; September 20, H index 72; total citations 25,577; cited documents 833) testifies the outcome of his clinical research methodology and the attitude towards a multidisciplinary approach. Several research projects are based on international collaborative networks and have been able to attract funds that have guaranteed their prosecution and accomplishment.

His current clinical interest covers the spectrum of medical management of cardiovascular diseases, with a focus on heart failure and cardiomyopathies, namely on cardiac amyloidosis, and his research interests focus mostly on biomarkers, etiology, and phenotypes of cardiomyopathies, cardio-respiratory interactions, association between cancer and cardiovascular diseases, neuroendocrine control of the cardiovascular system, pathophysiology and clinical aspects of heart failure, including diagnostic, therapeutic and general management issues. Further, he is heading Projects on juvenile sudden death prevention, applications of nanotechnology to diagnosis and treatment of cardiovascular diseases.

He is author of several papers in peer-reviewed journals, Editor of 6 books, Reviewer for several International Journals and Member of the Editorial Board of International Journals (European Journal of Cardiovascular Prevention, Associate & Past Deputy Editor; International Journal of Cardiology, Associate Editor, Journal of the American College of Cardiology-Heart Failure, Editorial Consultant, Journal of the American College of Cardiology-CardioOncology, Editorial Consultant, , Journal of the American College of Cardiology, past Member Editorial Board).

He has been awarded as Great Officer of the Italian Republic his President Sergio Mattarella in 2022, an as Commander of the Italian Republic from his President Claudio Napolitano in 2014 and has received the Award of the Italian Health Ministry in 2016. He has received in 2021 the Matteotti Prize from the Italian Prime Minister Mario Draghi for his historical book "Vite Sospese" on racist discrimination against Jewish Teachers and Students in 1938 in Italy (PUP Editor, 2020, Pisa, Italy). He has produced the movie "Vite Sospese. Dal buio alla luce" in 2023 on the same topic.

As for the academic engagement he is involved in innovation in medical education, activities of the Institutional Ethics Committee of Scuola Superiore Sant'Anna, Scuola Normale Superiore, I.M.T.; he is Coordinator of the Health Sciences Interdisciplinary Center, past-Coordinator of the Ph.D. Course in Health Science, Technology and Management, and has co-Directed the Ph.D. Course in Translational Medicine at

the Scuola Superiore Sant'Anna. He is the Founder and first Director of the SIMULABO, didactic laboratory using macro- and microsimulation as medical teaching tools. He is deeply involved in tutorship of young Students and has tutored more than 60 theses of Medicine, Bioengineering, Physics at the University of Pisa, Florence and at the Scuola Superiore Sant'Anna, Pisa, Italy.

He is a Fellow of the European Society of Cardiology (ESC), Fellow of the Heart Failure Association of the ESC, Fellow of the International Society of Amyloidosis (ISA), Member of both the Italian Societies of Cardiology (Società Italiana di Cardiologia, SIC, Associazione Nazionale Medici Cardiologi Ospedalieri, ANMCO), Past President of the Tuscan Chapter of the SIC, Past Secretary of the Board of the Italian Society of Amyloidosis (Società Italiana di Amiloidosi, SIA), member of the Tuscan Organization for Clinical Governance Central Board.

Beyond his professional involvement he acts as a health advocate within his institutional role and as a personal commitment. He is deeply interested in literature, music, figurative arts, history, philosophy, politics.

His family is a constant source of inspiration. With his wife Ursula Ferrara, artist, photographer and film-maker, has a daughter, Annick Laura Yael Emdin, 35, writer, and 2 grand-daughters, Ariel and Miryam, 5.

WORK EXPERIENCE

• Dates (from – to)	**October 2015 - now**
• Name and address of employer	**Sant'Anna School of Advanced Studies (Scuola Superiore Sant'Anna), Pisa, Italy**
• Type of business or sector	**University**
• Occupation or position held	**December 20, 2019 - now: Full Professor of Cardiovascular Diseases** **October 2015 - December 2019: Associate Professor of Cardiovascular Diseases**

- 2026 – now: Vice-Coordinator, Health Sciences Interdisciplinary Center
- 2020 - 2026 February: Coordinator, Health Sciences Interdisciplinary Center
- 2020 - 2023: Coordinator, Health Sciences, Technology and Management, PhD Course
- 2022 - now: Chair, National Contest for Admission to the Medical Studies at the Scuola Sant'Anna
- 2020 - now: Rector Delegate, MEET inter-Universitary Master (UNIPI, UNIPV, Scuola Sant'Anna, IUSS)
- 2020 - 2022: Rector Delegate, Coordinator Infosalute Team during the COVID-19 Pandemic
- 2019 - now: Director, SIMULABO, Laboratory of Medical Simulation
- 2018 - 2020: Rector Delegate for the Innovation in Teaching
- 2018 - now: Rector Nominee in Institutional Ethic Committee
- 2017 - now: Member Animal Lab Committee
- 2016 - now: Dean's Nominee in Didactic Commission Dpt. of Experimental Sciences
- 2015 - now: Tutorship of Medical Students, PhD Students.
- 2016 - 2018: Vice-Director, Translational Medicine, PhD Course
- 2012 - now: Faculty Board, Translational Medicine, PhD Course

• Dates (from – to)	**1983 - now**
• Name and address of employer	**Foundation Toscana G. Monasterio (FTGM), Pisa and Massa, Italy (1993-2007: CNR Institute of Clinical Physiology, Pisa)**
• Type of business or sector	**Hospital**
• Occupation or position held	**2019 -now: Director, Cardio-Thoracic Department** **2013 - now: Director, Cardiology and Cardiovascular Medicine Division** **2025 - now: Director, Pneumology Division** **2025 - now: Director, LDL-ApheresisDivision**

- 2018 - now: Director, Cardio-Thoracic Department
- 2020 - now: Coordinator, Pisa San Cataldo Hospital
- 2014 - 2019: Scientific Director
- 2012 - Director General
- 2008 - 2012: Director, Cardiology and Cardiovascular Medicine Division
- 1993 - 2008: Cardiologist, Senior Researcher, FTGM, CNR Institute of Clinical Physiology
- 1983 - 1993: Resident, Research fellow, CNR Institute of Clinical Physiology

• Dates (from – to)	**1983 - 1993**
• Name and address of employer	**University of Pisa, University of Milan, Italy**
• Type of business or sector	
• Occupation or position held	
• Main activities and responsibilities	**Cardiology Specialty, Nuclear Medicine Specialty, Cardiovascular Pathophysiology** **PhD Course**
• Dates (from – to)	**1986 - 87**
• Name/address of employer	**Italian Army**
• Occupation or position held	**Medical Officer (Lieutenant),**
• Main activities and responsibilities	**Director of clinical activities 131st Gr. A.Pe.Cam, Vercelli, Italy; Selector, Pisa, Italy**
• Dates (from – to)	**December 22, 1983**
• Name/address of employer	**Ordine dei Medici Chirurghi di Pisa, Italy**

• N:	**2486/83**
• Occupation or position held	**Membership**
• Main activities and	**2018 - now: Member of the Board**

EDUCATION AND TRAINING

2008 - 2009
Scuola Superiore Sant'Anna, Corso per Dirigenti con Incarico di Direzione di Struttura Complessa - IV modulo
Health service management, organizative skills: II level Master Degree

1994 - 1997
***University of Pisa, Italy,* Nuclear Medicine, Specialty**

1989 - 1992
***University of Milan, Italy,* Cardiovascular pathophysiology, Ph.D. (Doctorate) Course**

1983 - 1987
***University of Pisa, Italy,* Cardiology, Specialty**

1978 - 1983
***University of Pisa, Italy,* October 26, 1983, Degree in Medicine and Surgery (M.D.)**

1972 - 1977
***Liceo Classico, Pisa, Italy,* High School Course**

THIRD MISSION

2025

Chairman, Provincial Committee, "Fondazione Insigniti OMRI" (Presidente del Comitato provinciale di Pisa della Fondazione Insigniti OMRI)

2020

Membership - Deputazione Fondazione Pisa, Italy (Pisa Foundation Board)

2022

Membership - ALAP Board (Association among Graduates from Pisa University)

2018

Membership – Scientific Committee "San Rossore 1938", University of Pisa, Scuola Superiore Sant'Anna, Scuola Normale Superiore

THIRD MISSION INITIATIVES

INITIATIVES ON THE MEMORY OF SHOAH

2018
15 October 2018 – *Suspended Lives*
Stories of professors and students expelled from the University.

Aula Magna / Historic Aula Magna – Scuola Superiore Sant'Anna
The stories were told by students and commented on by professors.

Coordination:
Michele Emdin, Barbara Henry, Ilaria Pavan
Scuola Superiore Sant'Anna, Scuola Normale Superiore

The students of the Schools (Alberto Aimo, Silvia Barbiero, Chiara Borrelli, Vincenzo Castiglione, Laura and Simona Grazioli, Lorenzo Mangone, Giorgio Motisi, Michele Pajero) recounted, eighty years later, those "suspended lives," together with their professors.

2019
Publication of the book *Suspended Lives*

One year later, that day was transformed into a book, published by Pisa University Press, meant to be held in one's hands, read, and shared. The volume was edited by Michele Emdin, Barbara Henry, and Ilaria Pavan, enriched by photographs by Ursula Ferrara and graphic design by Marzio Aricò, and is now presented again on its anniversary.

13 November 2019 – Aula Magna, Scuola Superiore Sant'Anna

SUSPENDED LIVES
1938: UNIVERSITIES AND JEWS IN PISA

14:45 – The Universities of Pisa Do Not Forget
University of Pisa – Paolo Maria Mancarella
Scuola Normale Superiore – Luigi Ambrosio
IMT School – Pietro Pietrini
Scuola Superiore Sant'Anna – Sabina Nuti

15:30 – A Book in One's Hands
Michele Emdin, Scuola Superiore Sant'Anna
Barbara Henry, Scuola Superiore Sant'Anna
Ilaria Pavan, Scuola Normale Superiore

16:00 – Francesca Pelini and Her Thesis
Paolo Pezzino, Ferruccio Parri National Institute – Milan

16:20 – The Suspended Truth
Rosa Maria Dell'Aria, Vittorio Emanuele III Industrial Technical Institute, Palermo

16:40 – Memory Entrusted to Children
Daniela Cappelletto, G. Filzi Primary School, L.S. Tongiorgi Comprehensive Institute, Pisa

17:00 – Telling a Suspended Life
Laura Grazioli, Scuola Normale Superiore

17:20 – Words and Lives: Suspension, Replacement
Michele Battini, University of Pisa

17:40 – Images of Memory: On the Installation "Suspended Lives" Transformed into Virtual Reality
Massimo Bergamasco, Scuola Superiore Sant'Anna

18:00 – "It Happened, Therefore It Can Happen Again": How to Continue Remembering
Michele Emdin, Michele Battini, Barbara Henry, Ilaria Pavan

13 November 2019 – Presentation of the book:
"Suspended Lives. 1938: Universities and Jews in Pisa", Pisa University Press, October 2019, pp. 1–276, edited by Michele Emdin, Barbara Henry, and Ilaria Pavan,

and of the installation
"Suspended Lives", curated by Gianni Lucchesi, Chiara Evangelista, Ursula Ferrara, Massimo Bergamasco, and Michele Emdin, transformed into virtual reality by Camilla Tanca and Chiara Evangelista.

Stories of Jewish professors and students who were expelled, told by today's students and commented on by today's professors.

2021

"Zakhor – Remember"

9:00 a.m. | SUSPENDED LIVES
Faces and names of male and female students from the University of Pisa

10:00 a.m. | Ilaria Pavan – THE RACIAL LAWS
Lecture on the racisms of Fascism

12:00 p.m. | STORIES FROM THE ARCHIVES
The racial laws in the documents of the Historical Archive of the Scuola Normale Superiore

4:00–6:00 p.m. | ZAKHOR. COLLECTIVE READING FOR MEMORY
Joint greeting by the three Rectors
Readings curated by the students of the three institutions

INTRODUCTION
Vasily Grossman, *Life and Fate*
The Expulsion
Elio Vittorini, *A New Culture*
Primo Levi, *Zinc*
Naftoli Emdin, *My Boys…*
Elio Toaff, *Perfidious Jews, Elder Brothers*
Rita Levi-Montalcini, *In Praise of Imperfection*
Giorgio Bassani, *The Garden of the Finzi-Continis*
Annick Emdin, *Numbers*
Piero Nissim, Myriam Nissim, Carla Giometti, Franco Meoli, *Frida's Songs*

THE PERSECUTION
Piero Nissim, *If This Is a Man*
Otto Rosenberg, *The Focal Length*
Pietro Millanta, *Rukelie*
Etty Hillesum, *Letters*
Enrico Magenes – Leonida Tonelli, *Correspondence*
Cynthia Ozick, *Heirs to a Radiant World*
Fabio Sappino, *The Resistance of No*
Annick Emdin, *Adler*
Matteo Landi, *Will to Live, Will to Love*
Etty Hillesum, *Diaries*
Vasily Grossman, *The Sistine Madonna*
Piero Nissim, *Conclusion*

THE PERSISTENCE OF GOOD
Vasily Grossman, *Life and Fate*

Videos produced by: Ursula Ferrara, Chiara Evangelista, and Giacomo Pinna.

Readings by: Nicolò Campodonico, Giorgio Di Domenico, Matteo Landi, Claudio B. Maggi, Lorenzo Mangone, Francesco Morosi, Giorgio Motisi, Margherita Nimis, Marcello Reggiani, Eleonora Rigo, Fabio Sappino, Chiara Schirato, Marco Signori, Silvia Speriani, Claudio Tongiorgi**.**

2021

Giacomo Matteotti Award 2021, Nonfiction Section, for the volume *"Suspended Lives. 1938: Universities and Jews in Pisa."*

The Award, now in its **17th edition** and promoted by the **Presidency of the Council of Ministers**, is granted each year to works that reflect the ideals of **brotherhood among peoples, freedom, and social justice** that inspired the life of Giacomo Matteotti. It will be presented to the three professors on **22 October at Palazzo Chigi**.

2022

Approval by the Senate of a motion presented by Prof. Emdin concerning the request to remove the naming of a city street after the Rector of the University in office in 1938, Prof. Giovanni D'Achiardi, who was the primary official responsible for implementing the racial laws at the University of Pisa. This motion, also supported by the Scuola Normale Superiore and the University of Pisa, was sent to the Mayor and the City Council.

September 3 2022
Presentation of the rationale for the collection of signatures in support of the motion to the City Council with the request to remove the naming of a city street after the Rector of the University in office in 1938, Prof. Giovanni D'Achiardi.

December 6 2022
Participation to the City Council meeting, with the request to remove the naming of a city street after the Rector of the University in office in 1938, Prof. Giovanni D'Achiardi.

2023

5th Anniversary of the Promulgation of the Racial Laws
It happened tomorrow

16 October 1938 – 16 October 1943 – 16 October 2023

Screening of the film
"Suspended Lives – From Darkness to Light"
Aula Magna, Scuola Superiore Sant'Anna, Pisa
16 October 2023, 5:30 p.m.

Following presentations:
Michele Emdin – *It Happened Tomorrow*
Salvatore Settis – *The Darkness of the Racial Laws*
Saulle Panizza – *The Light of Liberation*

2023

In the historic Aula Magna of the Scuola Superiore Sant'Anna, an installation by the artist Gianni Lucchesi entitled *"The Roll Call"*.

April 21, 2023
Multimedia Hall, Sapienza University
"Suspended Lives" – Images and Voices: Lost Souls after the Racial Laws

2024

January 24, 2024

Holocaust Remembrance Day: the exhibition "Memory of Suspended Lives" at Palazzo Gambacorti

"Suspended Lives, From Darkness to Light." Screening at the Scuola Sant'Anna

September 5, 2024, Aula Magna of the Scuola Superiore Sant'Anna**.**

The Jews in the Resistance and the War of Liberation

Francesca Ferragina introduces
Liliana Picciotto, Jewish Documentation Center Foundation
Jewish Resistants and Partisans
Discussant: Paolo Pezzino, Ferruccio Parri National Institute

Camilla Corino introduces
Gianluca Fantoni, University of Nottingham, UK
The Jewish Brigade in Italy
Discussant: Guri Schwarz, University of Genoa

Coordination: Michele Battini, Michele Emdin, Barbara Henry

2025

Memory
Diary of a Journey

Scuola Superiore Sant'Anna, Aula Magna
Pisa, **September 3, 2025,** 4:00 p.m.

2026

Presentation of the book
Diary of a Journey

Scuola Superiore Sant'Anna, Aula Magna
Pisa, **January 27, 2026,** 5:00 p.m.

INITIATIVES ON JUVENILE SUDDEN DEATH

2025

Promotor together with Emanuele Rossi, Alberto Giannoni, Fabio Pacini, Iacopo Olivotto (Scuola Superiore Sant'Anna, University of Florence) of an initiative which led to the **promulgation of the Tuscany Region Law August 21, 2025, n. 53,** on the "Prevention of the juvenile sudden death".

EUROPEAN RESEARCH ORGANIZATIONS – COLLABORATIONS/GRANT REFERRAL

2025

Chair, ASN (Abilitazione Scientifica Nazionale) Committee

2025

Referee for the Swiss National Science Foundation

2025

Referee for the Israel Science Foundation

2024

Referee for the Swiss National Science Foundation

2021

Referee for the Swiss National Science Foundation

2020

Referee for the British Cardiac Society

2020

Referee for the ERC Starting Grant 2020 Call

2016 - now

Referee for the ANVUR (Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca) "VQR, Valutazione della Qualità della Ricerca"

2016

Referee for the Executive Government Agency of National Science Centre (Narodowe Centrum Nauki - NCN; http://www.ncn.gov.pl).

2011 - 2013

Referee for the French National Research Agency (ANR) of project presented within the "Biomedical Innovation in public-private Research Partnership" program.

2011

Referee for the AERES (L'agence d'Evaluation de la Recherche et de l'Enseignement Supérieur) http://www.aeres-evaluation.fr/

NATIONAL ACADEMIC COMMITMENTS

2025

President, Commission (in execution of judicial provisions) for the attribution of the National Scientific Qualification for the functions of first and second level professor, ASN, Abilitazione Scientifica Nazionale 2023-2025, SETTORE CONCORSUALE 06/D1

ITALIAN/REGIONAL RESEARCH ORGANIZATION – DIRECTION/COLLABORATIONS

2026 - now

Member, Scientific Technical Committee of the Tuscan Organization for Clinical Governance, Tuscany Region

025 - now

Member, Tuscany Regional therapeutical Committee (Commissione terapeutica regionale).

2024 - now

Member, Scientific Technical Committee ANMCO / Società Italiana di Cure Palliative (SICP) on heart failure End-of-Life issue

2023 - 2026

Member, Scientific Technical Committee of the Tuscan Organization for Clinical Governance, Tuscany Region

2022

Member, Committee for the Evaluation of Candidates to the Direction of Biomedicine National Department of the Italian

Research Council (CNR) (Chair Prof. E. Gaudio)

2022

Member, Committee for the Evaluation of Candidates to a Position of Researcher, University of Milan (Chair Prof. P. Agostoni)

2016 - 2018

President, Committee for Heart Failure Clinical Management, North Western Area, Tuscany

2011 - now

Member, Technical-Scientific Committee, Auxilium Vitae Hospital, Volterra, Pisa, Italy.

2013 - 2015

Member, Therapeutic Committee, North Western Area, Tuscany

PATENTS

June 2007

Italian patent TO2007A000455 Paolicchi A, Pompella A, Franzini M, Barsacchi R, Emdin M, Bramanti E

"Procedimento di determinazione e di separazione di isoforme di gamma-glutamiltransferasi (GGT) sierica in un campione di fluido biologico e isoforme enzimatiche così ottenute".

2010

US PATENT 2010/0227351 A1 Paolicchi A, Pompella A, Franzini M, Barsacchi R, Emdin M, Bramanti E. Method of detecting and separating serum gamma-glutamyltransferase (GGT) isoforms in a sample of biological fluid and the enzyme isoforms thereby obtained

PRIZES - Organizer

2025

Andrea Verdigi Prize, FIRST Edition, 4k Euro, dedicated to young Specialists in Cardiology

Winners Francesco Gentile, Chaiara Arzilli, Vincenzo Castiglione, Paolo Sciarrone.

2024

Vera Srebot Prize, fifth Edition, 8k Euro, best Research Project, dedicated to young Specialists in Cardiology

Winners Francesco Gentile, Maria Perotto Francesco Balata Maria Concetta Pastore

2020

Vera Srebot Prize, fourth Edition, 8k Euro, best Research Project, dedicated to young Specialists in Cardiology

Winners: Aldostefano Porcari, Elena Mandoli, Fabiana De Martino, Nicola Riccardo Pugliese

2018

Vera Srebot Prize, third Edition, 8k Euro, best Research Project, dedicated to young Specialists in Cardiology

Winners Anna Maria Del Franco, Monica Verdoia, Sergio Caravita, Antonio De Luca, Massimo Mapelli, Allegra Battistoni

2018

Contini - Viviani Prize, first Edition, 4k Euro, best Research Project, dedicated to young Specialists in Cardiology
Winners Matteo Beltrami, Chrysanthos Grigoratos

2017

Vera Srebot Prize, second Edition, 6k Euro, best Research Project, dedicated to young Specialists in Cardiology
Winners Gianluca Mirizzi, Francesca Maria Righini, Andrea Boggiano, Edoardo Conte

2015

Vera Srebot Prize, first Edition, 6k Euro, best Research Project, dedicated to young Specialists in Cardiology.
Winners Matteo Cameli, Alessandro Valleggi, Iacopo Fabiani

PRIZES and MEMBERSHIPS

2026

Chairman della "Teaching and Continuing Education Committee", SIC, Società Italiana di Cardiologia

2025

Chairman, Provincial Committee, "Fondazione Insigniti OMRI" (Presidente del Comitato provinciale di Pisa della Fondazione Insigniti OMRI)

2023

Membership: Board of National Research Commission of SIC, Società Italiana di Cardiologia

2020 - now

Membership, Board of SIC, Società Italiana di Cardiologia, Chapter Regional Section Tuscany & Umbria

2023

Fellowship, International Society of Amyloidosis

2022

Membership, International Society of Amyloidosis

2022, June 2

Great Officer, Italian Republic (Grande Ufficiale al Merito della Repubblica Italiana), delivered by the President Sergio Mattarella, Italian Republic

2021

Premio Matteotti – Saggistica, Presidenza del Consiglio dei Ministri - Michele Emdin, Barbara Henry, Ilaria Pavan - Vite sospese. 1938: Università ed ebrei a Pisa - Pisa University Press Ed., 2019, pp 1 - 272

2021

FHFA: Fellowship, Heart Failure Association of the European Society of Cardiology

2020 - 2022

Membership, ESC Heart Failure Association Study Group on Biomarkers

2020 - 2023

Chairman, SIC, Società Italiana di Cardiologia, Chapter Regional Section Tuscany & Umbria

2018

Élite Reviewer Journal of the American College of Cardiology – Heart Failure

2018 – now

Membership, Comitato Scientifico San Rossore 1938

2018 - now

Membership, ESC Heart Failure Association Study Group on Imaging

2016 - now

Membership of the Board, SIA, Società Italiana Amiloidosi

2018

National abilitation, Position of Professor level 1 (06/D1)

2018 - now

Membership, Pisa, MDs & Surgeons Council, Pisa, Italy

2017

Talentitaly contest (Italian Ministry of University and Research, MIUR): 100k Euro (MOOC "The symptoms of the Heart", "I sintomi del Cuore")

August 1, 2016

Certificate of Merit as Public Health Advocate (**Attestato di Benemerenza al Merito della Sanità Pubblica), Italian Republic, delivered by the Ministry of Health Beatrice Lorenzin.**

2016 - now

Membership, SIC, Società Italiana di Cardiologia

2016 - now

Membership, SIA, Società Italiana Amiloidosi

2015

Winner, Position of Professor level 2 (06/D1), SSSUP

2014, December 27th

Commander, Italian Republic (Commendatore al Merito della Repubblica Italiana), delivered by the President Giorgio Napolitano, Italian Republic.

2014 - 2020

Gold Membership, MHFA: Heart Failure Association of the European Society of Cardiology

2014 - now

FESC: Fellowship, European Society of Cardiology

2013

Élite Reviewer Journal of the American College of Cardiology

2011

Élite Reviewer Journal of the American College of Cardiology

2010

Élite Reviewer Journal of the American College of Cardiology

1993-now

Membership, ANMCO, Italian Association of Hospital Cardiologists

1989

Research Award, Italian Internal Medicine Society (Società di Medicina Interna)

1983

Research Award, MDs & Surgeons Council (Ordine dei Medici), Pisa, Italy

RESEARCH GRANTS

2024
Open-label extension study of long-term safety and efficacy of NNC6019-0001 in participants with transthyretin amyloid cardiomyopathy (ATTR CM) - protocollo n. NN6019-7565

2023
An Open-Label Extension Study to Assess the Long-Term Safety of Eplontersen (ION-682884) in Patients with Transthyretin-Mediated Amyloid (ATTR-CM)" – codice protocollo ION682884-CS12

2023
ATTR CM - Efficacia e sicurezza di NNC6019-0001 a due dosaggi diversi in soggetti partecipanti con cardiomiopatia amiloide correlata alla transtiretina, P.I.

2023
HERMES: Effects of ziltivekimab versus placebo on morbidity and mortality in patients with heart failure with mildly reduced or preserved ejection fraction and systemic inflammation, P.I.

2023
Caratterizzazione del profilo di rischio cardiovascolare e della gestione terapeutica di pazienti affetti da diabete mellito di tipo 2: studio osservazionale multicentrico italiano DTM2, P.I.

2023
BRING-UP Prevenzione K25, P.I.

2023
Studio BRING-UP3 Scompenso K24, P.I.

2023
A dynamic evaluation of chronic heart failure prognosis: the MECKI score CCM 1827, P.I.

2023
EYESHOT-2 Registry EmploYEd antithrombotic therapies in patients with acute coronary Syndromes HOspitalized in iTalian CCUs K26, P.I.

2023
Randomized double-blind trial to study the benefit of Colchicine in Patients with Acutely Decompensated Heart Failure, P.I.

2023
"Studio osservazionale, retrospettivo/prospettico, sulla safety di empagliflozin o dapagliflozin in pazienti oncologici con scompenso cardiaco. Studio TOSCA - CardioATNO-01-2022", P.I.

2023
Studio clinico randomizzato, in doppio cieco, controllato verso placebo per valutare mavacamten in soggetti adulti con cardiomiopatia ipertrofica non-ostruttiva sintomatica CV027-031, P.I.

2023
"Effect of dapagliflozin on the quality of life and exercise capacity of patients with amyloid transthyretin cardiac amyloidosis: a pilot, phase 2b study" DAMI, P.I.

2022
MECKI (Metabolic, Exercise, Cardiac, Kidney Index) score EVOLUTION. Identificazione del rischio cardiovascolare in pazienti affetti da scompenso cardiaco tramite uno strumento in continua evoluzione

2022
Definizione della prevalenza dell'amiloidosi cardiaca da transtiretina nei pazienti anziani con ipertrofia cardiaca, scompenso cardiaco e sindrome del tunnel carpale (Cardiac transthyretin Amyloidosis in the elderly: unmasking its Prevalence in individuals with cardiac hyperTrophy, heart failUre and caRpal tunnel syndrome: the CAPTURE study) - P.I.

2022
Studio randomizzato controllato in singolo cieco per valutare la sicurezza e l'efficacia della terapia corticosteroide endovenosa ad alte dosi per il trattamento di pazienti affetti da miocardite acuta complicata/fulminante - MYTHS (MYocarditis THerapy with Steroids) trial - P.I.

2022
Studio di estensione in aperto e monitoraggio della sicurezza di acoramidis (AG10) in partecipanti con cardiomiopatia amiloide da transtiretina sintomatica che hanno completato la sperimentazione di fase 3 ATTRibute-CM (AG10-301) - P.I.

2022
Sperimentazione di fase 3, multicentrica, randomizzata, in doppio cieco, controllata con placebo per valutare l'efficacia e la sicurezza di CK3773274 in adulti affetti da cardiomiopatia ipertrofica sintomatica e ostruzione al tratto di efflusso ventricolare sinistro - CY 6031 (SEQUOIA-HCM) - P.I.

2022
Analisi dei valori di calcium score di valvole aortiche stenotiche in pazienti con e senza amiloidosi cardiaca candidati a TAVI o sostituzione valvolare aortica - CAUSATIVE - Study P.I.

2022
Studio di titolazione della dose, di fase 1b, in doppio cieco, randomizzato, controllato con placebo, multicentrico, per valutare la sicurezza, la tollerabilità e la farmacocinetica di 4 settimane di trattamento con BAY 2413555 in partecipanti con insufficienza cardiaca e defibrillatore cardiaco impiantato o dispositivo di risincronizzazione cardiaca – REMOTE-HF. - P.I.

2022
MECKI (Metabolic, Exercise, Cardiac, Kidney Index) score EVOLUTION. Identificazione del rischio cardiovascolare in pazienti affetti da scompenso cardiaco tramite uno strumento in continua evoluzione - P.I.

2022
Definizione della prevalenza dell'amiloidosi cardiaca da transtiretina nei pazienti anziani con ipertrofia cardiaca, scompenso cardiaco e sindrome del tunnel carpale (Cardiac transthyretin Amyloidosis in the elderly: unmasking its Prevalence in individuals with cardiac hyperTrophy, heart failUre and caRpal tunnel syndrome: the CAPTURE study) - P.I.

2022
Studio di fase III, multinazionale, randomizzato, controllato con placebo su ARRY-371797 in pazienti affetti da cardiomiopatia dilatativa sintomatica dovuta a mutazione del gene che codifica per la lamina A/C – ARRAY-797-301 - P.I.

2021 -now
CARRY Registro Amiloidosi tosco-umbro - CoP.I.

2021 -now
CATCH Epidemiologia della cardiomiopatia amiloidotica da transtiretina P.I. 250K Euro

2021
B3461087 Prevalenza globale della cardiomiopatia amiloide legata alla transtiretina (ATTR-CM) in partecipanti con insufficienza cardiaca con frazione di eiezione preservata (HFpEF) P.I.

2021
B3461093 Burden of Disease (BOD) Study in ATTRCM Patients and Caregivers. P.I.

2021
ION-682884-CS2 Uno studio di fase 3 globale, in doppio cieco, randomizzato, controllato da placebo per valutare l'efficacia e la sicurezza di ION-682884 in pazienti con cardiomiopatia amiloide mediata da transtiretina (ATTR CM). P.I. PROFIT

2020 - now
ITALY Valutazione della qualità della vita dei pa zienti con Cardiomiopatia amiloidotica da transtiretina P.I. 250K Euro

2020 - now
AG10-301 Studio di fase 3, randomizzato, in doppio cieco, controllato con placebo sull'efficacia e sulla sicurezza di AG10 in soggetti con cardiomiopatia amiloide da transtiretina sintomatica (ATTRIBUTE-CM Trial). P.I. PROFIT

2019 - now
Care-net - Programma di Rete Ministry of Health (Bando ricerca finalizzata 2016) Performance evaluation and value assessment for cardiovascular and oncological care paths in 5 Italian regions. WP3 P.I. 600k Euro (FTGM)

2018 - now
InteropeHrate (Cross-border interoperability platform of digital clinical data) 571k Euro Workpackage 7 Responsible, Horizon 2020, EUC

2017 - now
JUvenile Sudden cardiac deaTh in the Pisa territory: JUST know and treat (426k Euro), Pisa Foundation P.I.

2016
PLAQUEviaNANO Visualization and theranostic of atherosclerotic PLAQUEs VIA compound NANOparticles (120 KEuro) P.I.

2016
Race, Research on the Appropriateness in Cardiological evaluation, FTSM subcontractor, 100k Euro, Tuscany Region

2016
Victoria study. Landmark phase 3 heart failure study of Vericiguat, a novel guanylate cyclase stimulator. National leader.

2016
"Studio sugli esiti dell'amiloidosi da transtiretina (Transthyretin-Associated Amyloidosis Outcomes Survey, THAOS): Studio globale, multicentrico, longitudinale, osservazionale su pazienti con mutazioni del gene per la transtiretina (TTR) o amiloidosi da TTR di tipo selvaggio documentate" P.I.

2016
CLCZ696B2320 Studio multicentrico, randomizzato, in doppio cieco, con controllo attivo per valutare gli effetti di LCZ696 rispetto a valsartan sulla funzione cognitiva in pazienti con scompenso cardiaco cronico a frazione di eiezione preservata. P.I.

2016
LIRA-B-CELL Effetti di liraglutide sulla funzione beta- cellulare nei pazienti con diabete tipo 2 in fallimento secondario agli ipoglicemizzanti orali. Studio di fase II, randomizzato, controllato, a gruppi paralleli, in aperto. P.I.

2016
SPIHF Studio di Fase II randomizzato, in doppio cieco, controllato con placebo per valutare gli effetti di iniezioni sottocutanee multiple di elamipretide sulla funzione ventricolare sinistra in soggetti con insufficienza cardiaca stabile e frazione di eiezione ridotta. P.I.

2015
STELLINA Studio osservazionale prospettico per valutare l'efficacia e la sicurezza di linagliptin in pazienti con diabete tipo 2 non adeguatamente controllati con dieta + esercizio fisico, metformina, metformina + sulfonilurea, insulina + o - metformina: progetto pilota in Toscana". P.I.

2015
CRLX030A2301 Studio di fase III, multicentrico, randomizzato, in doppio cieco, controllato verso placebo per valutare l'efficacia, la sicurezza e la tollerabilità di Serelaxina in aggiunta alla terapia standard in pazienti con insufficienza cardiaca acuta. P.I.

2011-2015
HCN-Health care Collaborative Network, Italian Ministry of Economic Development, Clinical Digital Networking for Clinical Management of Citizen Data, FTGM 3M Euro, WPs Responsible September 2011 to May 2015.

2009-2011
H@H PROJECT, EC funding, in collaboration with Consorzio Pisa Ricerche and biomedical industries: the "Health at Home project (H@H)" started in February 2009 within the 1st-call of the European AAL Joint Programme. H@H Consortium is composed of six EU partners from Italy, Slovenia and Spain; the project was concluded in 2012 with the development of a new system with the following key features: a) A feasible and user-friendly system for the acquisition, processing, transmission and recording of medical information (ECG, Respiration, Weight, SpO2, Blood Pressure); b) An expert monitoring system capable of immediately visualizing the level of criticality of the situation, alerting the health care providers, by analyzing the clinical and monitored data of the patient; c) A new architecture of the socio-sanitary assistance services for patients suffering CHF, taking into account emerging international standards (HL7-RIM, CEN 13606) and EU indications and regulations for the socio-sanitary field, still maintaining the specificities of the single European countries. (http://www.health-at-home.eu/).

2008
Train the brain: Clinical and experimental study on the efficacy of a cognitive and physical training dementias CNR IN, IFC, Pisa Foundation

2007
PASC Project Digital record for the Heart Failure Outpatient management, Tuscany Region, 20K Euro, WP responsible

2000 - 2004
HHH (3H) Study (Home or Hospital in Heart failure) HOME CARE MONITORING OF CLINICAL PARAMETERS, ECG AND RESPIRATION IN PATIENTS WITH HEART FAILURE - EEC funded

1991 - 1995
Progetto Finalizzato CNR - Fat.Ma. Fattori di malattia

- Long standing experience in conducting clinical studies in accordance with GCP/GPP.

VISITING ASSISTANT PROFESSOR

2002

London Royal Free College (Prof. M. Spyer).

2000-2002

Boston, MIT (Prof. R. Mark).

Boston, Beth Israel Hospital (Prof. A. Goldberger).

Boston, Children Hospital – (Prof. PJ. Saul).

1984

University of San Paolo, Brasil – Medical School di Ribeirao Preito, Department of Hemodynamics and Pulmonary Function.

Chagas' disease collaborative project tra CNR and CNPq - (Prof. J.A. Marin Neto).

TEACHING ACTIVITIES

2015-2016 - now

Scuola Superiore Sant'Anna, Pisa, Italy

Pathophysiology, Technology, Ethics in Medical Reasoning, Narrative medicine, Fisiopatologia Tecnologia ed Etica nel ragionamento medico (2 CFU)

Brain and Heart. Pathophysiology and diagnostics (Cuore e Cervello. Elementi di fisiopatologia e diagnostica (1 CFU)

Clinical research internships (Internati di ricerca clinica) (3 CFU)

2020 – now

Health Science, Technology and Management PhD Course

2010 - now

Scuola Superiore Sant'Anna, Pisa, Italy

Translational Medicine PhD Course

2013

Scuola Superiore Sant'Anna, Pisa, Italy

Clinical Propedeutics and Diagnostics

2018 – now

University of Pisa, Italy

ADE teaching Course

2002 - now

University of Pisa, Italy

Pathophysiology and Biomedical Diagnostics

Physics Department

2001 - 2008

University of Pisa, Italy

Physical Techniques and Biomedical Diagnostics

Physics Department

1999 - 2001

University of Pisa, Italy

Tecniche Fisiche di Diagnostica Biomedica - Diploma Universitario di Metodologie e Misure Fisiche

Physics Department

2006 - 2013

University of Pisa, Italy

Anesthesiology Specialty Course, University of Pisa

2009 - 2015

University of Pisa, Italy

Cardiology Specialty Course, University of Pisa

2014

University of Florence, Italy

Cardiology Specialty Course

2010 - 2013

University of Pisa, Italy

PhD Course Transplant Science

2002 - 2016

Lecturer at the Scuola Superiore Sant'Anna, Scuola Normale Superiore, Pisa, Italy, Medical School, University of Pisa, and at the Graduate School of Cardiology, University of Florence, University of Pisa, Italy

MASTERS

2026

"PATIENT CARE IN CARDIOLOGIA, CARDIOANESTESIOLOGIA E CARDIOCHIRURGICA", 2ND LEVEL MASTER, III EDITION, CO-DIRECTOR

2024

"PATIENT CARE IN CARDIOLOGIA, CARDIOANESTESIOLOGIA E CARDIOCHIRURGICA", 2ND LEVEL MASTER, III EDITION, CO-DIRECTOR

2025

FISIOPATOLOGIA CLINICA E MANAGEMENT DELLO SCOMPENSO CARDIACO, 2ND LEVEL MASTER, IV EDITION, CO-DIRECTOR

2023

FISIOPATOLOGIA CLINICA E MANAGEMENT DELLO SCOMPENSO CARDIACO, 2ND LEVEL MASTER, III EDITION, CO-DIRECTOR

2022

FISIOPATOLOGIA CLINICA E MANAGEMENT DELLO SCOMPENSO CARDIACO, 2ND LEVEL MASTER, II EDITION, CO-DIRECTOR

2020

FISIOPATOLOGIA CLINICA E MANAGEMENT DELLO SCOMPENSO CARDIACO, 2ND LEVEL MASTER, I EDITION, DIRECTOR

Tutorship – Medical School Students, Scuola Superiore Sant'Anna

2025-2026
Davide Duilio Malvestiti

2024-2025
Viola Salvatici

2023-2024
Giovanni Calcutta

2022-2023
Camilla Corino

2021-2022
Lucia Crosta, Giulia Orlandi

2020-2021
Lara Camerini, Paolo Morfino

2019-2020
Paolo Migliori, Lidia Trombello

2018-2019
Beatrice Milano, Alice Favero, Nicolò Ribarich

2017-2018
Lorenzo Arboit, Leonardo Bonaldo, Matteo Landi

2016-2017
Michela Chianchia, Lucio Teresi, Nur Bedeir

2015-2016
Piero Vacca, Silvia Barbiero, Lorenzo Mangone

Tutorship – Health Science, Technology and Management PhD Course Students

2024 -2027
ANNA GADIGNANI

2022-2025
OLENA CHUBUCHNA

2020-2023
ERICA DE VITA

Tutorship - Translational Medicine PhD Course Students

2020-2023
VINCENZO CASTIGLIONE

2019-2022
ALBERTO AIMO
SERENA L'ABBATE

2018-2021
ANNAMARIA DEL FRANCO
LUIGI ZEZZA

2017-2020
MARTINA MODENA

2016-2019
MARIANNA COLASUONNO
SARA CHIAPPINO
GIANLUCA MIRIZZI

2015-2018
CHRYSANTHOS GRIGORATOS
GIOVANNI BENEDETTI
ALESSANDRO VALLEGGI

2014-2017
GIUSEPPE VERGARO

2010-2013
ANDREA BARISON

SUPERVISOR, TUTOR, MEDICINE AND SURGERY DEGREE THESES, UNIVERSITY OF PISA AND FLORENCE, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2025/2026
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CONFRONTO TRA APPROCCIO CHIRURGICO E PERCUTANEO PER LA SOSTITUZIONE DI VALVOLA POLMONARE NELLA TETRALOGIA DI FALLOT RIPARATA: ESITI CLINICO-STRUMENTALI E DURABILITÀ VALVOLARE IN UNO STUDIO RETROSPETTIVO MULTICENTRICO"
CANDIDATE: ALESSANDRA MONTELLATO
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2024/2025
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "SCREENING CORONARY AND CAROTID ATHEROSCLEROSIS AND LUNG DISEASE BY COMPUTED TOMOGRAPHY ANGIOGRAPHY WITH PHOTON-COUNTING DETECTOR TECHNOLOGY: THE ACTA STUDY"
CANDIDATE: LUNA LATORRE
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2024/2025
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "DOSAGGIO DELLA TRANSTIRETINA CIRCOLANTE COME GUIDA AL TRATTAMENTO NELL'AMILOIDOSI CARDIACA DA TRANSTIRETINA IN TERAPIA CON STABILIZZATORI DEL TETRAMERO"
CANDIDATE: ANGELA CASTIGLIONE
TUTOR: MICHELE EMDIN

ANGELA IS NOW ATTENDING THE CARDIOLOGYSPECIALTY COURSE AT THE UNIVERSITY OF FERRARA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2023/2024
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "VALVOLAZIONE POLMONARE NELLA TETRALOGIA DI FALLOT: RUOLO DELLO STUDIO ELETTROFISIOLOGICO PER LA STRATIFICAZIONE PREOPERATORIA DEL RISCHIO ARITMICO VENTRICOLARE"
CANDIDATE: ALICE FAVERO
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2023/2024
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "TERAPIA DI RESINCRONIZZAZIONE IN PAZIENTI CON AMILOIDOSI CARDIACA DA TRANSTIRETINA: EFFETTI SU RIMODELLAMENTO CARDIACO E PROGNOSI"
CANDIDATE: MARIEL SERGE TAMEZE
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2021/2022
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CARDIAC AMYLOIDOSIS IN TUSCANY AND UMBRIA REGIONS: INCIDENCE, DIAGNOSTIC PATHWAYS, CLINICAL CHARACTERISTICS"
CANDIDATE: OLENA CHUBUCHNA
TUTOR: MICHELE EMDIN

OLENA IS NOW ATTENDING THE RADIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2021/2022
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: " MICROCIRCOLO LINFATICO E VASCOLARE NELL'AMILOIDOSI CARDIACA: ISTOPATOLOGIA E CORRELATI CLINICI"
CANDIDATE: LUCREZIA BONINO
TUTOR: MICHELE EMDIN

LUCREZIA IS NOW ATTENDING THE NEUROLOGY SPECIALTY COURSE AT THE UNIVERSITY OF TURIN, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2021/2022
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "AUMENTO DELLA DISPERSIONE DELLA RIPOLARIZZAZIONE NELLA SINDROME DI BRUGADA: CORRELAZIONI ELETTROFISIOLOGICHE, CLINICHE E GENOTIPICHE "
CANDIDATE: SARA LATROFA
TUTOR: MICHELE EMDIN

SARA IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2021/2022
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CARDIOTOSSICITÀ DA TRASTUZUMAB IN PAZIENTI CON ETEROPLASIA MAMMARIA HER2+: UN APPROCCIO TRASLAZIONALE"
CANDIDATE: MICHELA CHIANCA
TUTOR: MICHELE EMDIN

MICHELA IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2020/2021
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "TRANSTIRETINA CIRCOLANTE NELL'AMILOIDOSI CARDIACA DA TRANSTIRETINA: CARATTERIZZAZIONE E CORRELATI CLINICO-TERAPEUTICI"
CANDIDATE: GIORGIA PANICHELLA
TUTOR: MICHELE EMDIN

GIORGIA IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF FLORENCE, ITALY

UNIVERSITY OF PISA

ACADEMIC YEAR: 2020/2021
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CORRELAZIONE TRA GENOTIPO E FENOTIPO NELLA CARDIOMIOPATIA ARITMOGENA: IMPLICAZIONI PROGNOSTICHE"
CANDIDATE: BIANCA ALDEROTTI
TUTOR: MICHELE EMDIN

BIANCA IS NOW ATTENDING THE EMERGENCY MEDICINE SPECIALTY COURSE AT THE UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2020/2021
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "COINVOLGIMENTO CARDIACO NELLA SINDROME DA DEFICIT DI CREATINA"
CANDIDATE: YU FU FERRARI CHEN
TUTOR: MICHELE EMDIN

YU FU IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF PISA & THE PHD COURSE OF TRANSLATIONAL MEDICINE AT THE SCUOLA SANT'ANNA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2020/2021
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "SINDROME DI BRUGADA: CORRELAZIONE GENOTIPO-FENOTIPO E STRATIFICAZIONE PROGNOSTICA."
CANDIDATE: LUCIO TERESI, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

LUCIO IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF MESSINA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2019/2020
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "VALUTAZIONE INTEGRATA DEL CHEMORIFLESSO E DEL BARORIFLESSO NELLO SCOMPENSO CARDIACO: CORRELATI CLINICI E SIGNIFICATO PROGNOSTICO."
CANDIDATE: FRANCESCO BUONCRISTIANI
TUTOR: MICHELE EMDIN

FRANCESCO IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF FERRARA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2019/2020
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "AMILOIDOSI CARDIACA: CORRELATI CLINICI E VALORE PROGNOSTICO DELL'ATTIVAZIONE NEURORMONALE."
CANDIDATE: ALESSANDRO CAMPORA
TUTOR: MICHELE EMDIN

ALESSANDRO IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF SIENA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2019/2020
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "ISOLATED TRICUSPID VALVE SURGERY: RETROSPECTIVE SINGLE CENTER ANALYSIS."
CANDIDATE: AGNESE MACCARANA, ALLIEVA ORDINARIA SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

AGNESE IS NOW ATTENDING THE HEART SURGERY SPECIALTY COURSE AT THE UNIVERSITY OF MILAN, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2018/2019
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CORRELATI CLINICI E VALORE PROGNOSTICO DI FIBROBLAST GROWTH FACTOR 23 NELLO SCOMPENSO CARDIACO CRONICO"
CANDIDATE: NICCOLÒ FUSARI
TUTOR: MICHELE EMDIN

NICCOLO' IS NOW ATTENDING THE ORTHOPEDICS SPECIALTY COURSE AT THE UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2018/2019
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "PET-TC CON [18]F FLUORBETABEN PER PER LA DIAGNOSI DI AMILOIDOSI DA CATENE LEGGERE"
CANDIDATE: GUIDO PASERO

TUTOR: MICHELE EMDIN

GUIDO IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF MILAN, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2018/2019
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "EFFETTI DI SACUBITRIL/VALSARTAN SULLA FIBROSI E SULLA DISFUNZIONE VENTRICOLARE SINISTRA INDOTTA DA ISOPROTERENOLO IN UN MODELLO MURINO"
CANDIDATE: ALESSANDRO CARECCI
TUTOR: MICHELE EMDIN

ALESSANDRO IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF BOLOGNA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2017/2018
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "NEUROENDOCRINE ACTIVATION IN CHRONIC HEART FAILURE: CLINICAL CORRELATES AND PROGNOSTIC VALUE"
CANDIDATE: NICOLÒ GHIONZOLI
TUTOR: MICHELE EMDIN

NICOLÒ IS NOW ATTENDING THE CARDIOLOGY SPECIALTY COURSE AT THE UNIVERSITY OF SIENA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2017/2018
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CHEMORIFLESSO, EMODINAMICA E RISPOSTA VENTILATORIA NELLA GENESI DELLE APNEE CENTRALI NELLO SCOMPENSO CARDIACO CRONICO"
CANDIDATE: FRANCESCO GENTILE
TUTOR: MICHELE EMDIN

FRANCESCO HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE AT THE UNIVERSITY OF PISA, ITALY, IS ATTENDING THE PH.D. DEGREE IN TRANSLATIONAL MEDICINE AT THE SCUOLA SANT'ANNA, PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2016/2017
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "RUOLO CARDIOPROTETTIVO DELLA DENERVAZIONE SIMPATICA RENALE NELL'INFARTO MIOCARDICO ACUTO SPERIMENTALE"
CANDIDATE: VINCENZO CASTIGLIONE, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

VINCENZO HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN PISA, THE PH.D. DEGREE IN TRANSLATIONAL MEDICINE IN PISA, AND IS NOW CARDIOLOGIST IN PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2016/2017
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "IL BUSPIRONE NEL TRATTAMENTO DELLE APNEE CENTRALI NELLO SCOMPENSO CARDIACO. UNO STUDIO RANDOMIZZATO IN DOPPIO CIECO"
CANDIDATE: CHIARA BORRELLI, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

CHIARA IS NOW ATTENDING THE EMERGENCY MEDICINE SPECIALTY COURSE AT THE UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2015/2016
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "IL COINVOLGIMENTO CARDIACO NELLA MALATTIA MITOCONDRIALE"
CANDIDATE: ALBERTO AIMO, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

ALBERTO HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN PISA, THE PH.D. DEGREE IN TRANSLATIONAL MEDICINE IN PISA, AND IS NOW RESEARCHER AT THE SCUOLA SANT'ANNA AND CARDIOLOGIST IN PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2013-2014
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CHEMORIFLESSO ED APNEE CENTRALI NELLO SCOMPENSO CARDIACO: INFLUENZA SULL'IPERTENSIONE POLMONARE"
CANDIDATE: VALENTINA RAGLIANTI

TUTOR: MICHELE EMDIN

VALENTINA IS NOW NEPHROLOGIST AT THE MEYER PEDIATRIC HOSPITAL, FLORENCE, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2013-2014
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "FIBROSI E RIMODELLAMENTO VENTRICOLARE NELLA CARDIOMIOPATIA DILATATIVA: VALORE DELLA GALECTINA-3"
CANDIDATE: GIORGIO BIAGINI
TUTOR: MICHELE EMDIN

GIORGIO IS NOW GENERAL PRACTITIONER IN PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2012-2013
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "L'ANGIOTOMOGRAFIA COMPUTERIZZATA NELLO STUDIO DELLE ANOMALIE CORONARICHE"
CANDIDATE: GIULI JAMAGIDZE
TUTOR: MICHELE EMDIN

GIULI HAS NOW A RESEARCH PROJECT ASSIGNMENT IN MASSA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2012-2013
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "VALORE PROGNOSTICO DELLA RISONANZA MAGNETICA CARDIACA NELLA CARDIOMIOPATIA DILATATIVA"
CANDIDATE: ALBERICO DEL TORTO, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

ALBERICO IS NOW CARDIOLOGIST AT THE FONDAZIONE MONZINO, MILAN, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2011/12
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "DANNO MIOCARDICO SILENTE DA ABUSO DI COCAINA: VALUTAZIONE MULTIPARAMETRICA CON LA RISONANZA MAGNETICA CARDIACA"
CANDIDATE: ANNAMARIA DEL FRANCO, ALLIEVA ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

ANNAMARIA HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN FERRARA, THE PH.D. IN TRANSLATIONAL MEDICINE IN PISA AND IS NOW RECIPIENT OF A RESEARCH PROJECT FUND AT THE UNIVERSITY OF FLORENCE, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2011/12
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "L'AMILOIDOSI CARDIACA: UTILITÀ DIAGNOSTICA E VALORE PROGNOSTICO DELLA RISONANZA MAGNETICA"
CANDIDATE: NICOLA RICCARDO PUGLIESE, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

NICOLA HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN PISA, THE PH.D. DEGREE IN PISA AND IS NOW RECIPIENT OF A RESEARCH PROJECT FUND AT THE UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2010/11
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "INQUADRAMENTO CLINICO E PROGNOSTICO DELLA CARDIOMIOPATIA DILATATIVA: RUOLO DELLA RISONANZA MAGNETICA CARDIACA"
CANDIDATE: SARA CHIAPPINO
TUTOR: MICHELE EMDIN

SARA CHIAPPINO HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN PISA, THE PH.D. DEGREE IN IN TRANSLATIONAL MEDICINE IN PISA, AND IS NOW CARDIOLOGIST IN MASSA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2010/11
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "CORRELATI CLINICI E PROGNOSTICI DEL BARORIFLESSO NELLO SCOMPENSO CARDIACO CRONICO"
CANDIDATE: GIANLUCA MIRIZZI, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA

TUTOR: MICHELE EMDIN

GIANLUCA MIRIZZI HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN FLORENCE, THE PH.D. DEGREE IN IN TRANSLATIONAL MEDICINE IN PISA, AND IS NOW CARDIOLOGIST IN PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2008/09
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "VULNERABILITÀ MIOCARDICA E BIOUMORALE ALL'ESERCIZIO FISICO NEL PAZIENTE CON INSUFFICIENZA CARDIACA. EFFETTI DEL TRAINING FISICO AEROBICO."
CANDIDATE: LUIGI EMILIO PASTORMERLO, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

LUIGI EMILIO PASTORMERLO HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN FLORENCE, THE PH.D. DEGREE IN TRANSLATIONAL MEDICINE IN PISA, AND IS NOW INTERVENTIONAL CARDIOLOGIST IN PISA, MASSA, ITALY

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 2008/09
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "BLOCCO DI BRANCA SINISTRA OMOFASICO ED ETEROFASICO NEI PAZIENTI CON SCOMPENSO CARDIACO: RIVALUTAZIONE DI UNA DIAGNOSI ELETTROCARDIOGRAFICA ANTICA"
CANDIDATE: VALERIA SELVI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2007/08
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "NGF E MODULAZIONE ADRENERGICA NELLO SCOMPENSO CARDIACO"
CANDIDATE: GIUSEPPE VERGARO, ALLIEVO ORDINARIO SCUOLA SUPERIORE SANT'ANNA
TUTOR: MICHELE EMDIN

GIUSEPPE HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN FLORENCE, THE PH.D. DEGREE IN TRANSLATIONAL MEDICINE IN PISA, AND IS NOW RESEARCHER AT THE SCUOLA SANT'ANNA AND CARDIOLOGIST IN PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2007/08
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "DETERMINANTI DELLE FRAZIONI PLASMATICHE DELLA GAMMA–GLUTAMMILTRANSFERASI UMANA"
CANDIDATE: LORENZO MASI
TUTOR: MICHELE EMDIN

LORENZO MASI IS NOW EMERGENCY MEDICINE SPECIALIST IN PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2005/06
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "IL SAGGIO DEI PEPTIDI NATRIURETICI DI TIPO B NELLA DIAGNOSI DELLO SCOMPENSO CARDIACO. META-ANALISI E STUDIO COMPARATIVO DI COORTE"
CANDIDATE: MARIANNA FONTANA
TUTOR: MICHELE EMDIN

MARIANNA HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN VARESE AND IS NOW FULL PROFESSOR OF CARDIOLOGY AT THE UCL, LONDON, U.K.

UNIVERSITY OF PISA
ACADEMIC YEAR: 2003/04
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "RESPIRO DI CHEYNE-STOKES E ALTERAZIONI DELLA SENSIBILITA' CHEMOCETTIVA NEI PAZIENTI CON SCOMPENSO CARDIACO: CORRELAZIONI NEUROENDOCRINE"
CANDIDATE: ALBERTO GIANNONI
TUTOR: MICHELE EMDIN

ALBERTO HAS GAINED THE CARDIOLOGY SPECIALTY DEGREE IN GENUA, THE PH.D. DEGREE IN IN TRANSLATIONAL MEDICINE IN PISA, AND IS NOW ASSOCIATE PROFESSOR AT THE SCUOLA SANT'ANNA AND CARDIOLOGIST IN PISA, ITALY

UNIVERSITY OF TURIN
ACADEMIC YEAR: 1988/89
ACADEMIC COURSE IN MEDICINE AND SURGERY
TITLE: "STUDIO MULTIPARAMETRICO IN PAZIENTI AFFETTI DA CARDIOMIOPATIA TRATTATI CON ASSISTENZA VENTRICOLARE"
CANDIDATE: CLAUDIO MORETTI

TUTOR: MICHELE EMDIN

CLAUDIO MORETTI IS NOW DIRECTOR OF THE CARDIOLOGY DIVISION AT THE CHIVASSO HOSPITAL, TURIN, ITALY

SUPERVISOR, TUTOR, NURSING SCIENCES DEGREE THESES
UNIVERSITY OF PISA, PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2020/2021
DEGREE IN NURSING SCIENCES
TITLE: "UN OSPEDALE A MISURA D'UOMO: IL PROGETTO VIRTUAL HOSPITAL IN FONDAZIONE TOSCANA GABRIELE MONASTERIO."
CANDIDATE: ELEONORA BENELLI
TUTOR: MICHELE EMDIN

TUTOR, ENGINEERING, INFORMATICS DEGREE THESES
UNIVERSITY OF PISA AND FLORENCE, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 1995/96
DEGREE IN INFORMATICS, ACADEMIC COURSE
TITLE: "SISTEMA DI AUSILIO ALLA DIAGNOSI DI CARDIOPATIA ISCHEMICA"
CANDIDATE: STEFANO DALMIANI
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 1993/94
DEGREE IN ENGINEERING, ACADEMIC COURSE ELETTRONICA
TITLE: "UN MODELLO MATEMATICO PER LO STUDIO DEI MECCANISMI DI REGOLAZIONE CARDIOVASCOLARE"
CANDIDATE: PAOLO GIOVAGNOLA
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 1990/91
DEGREE IN ENGINEERING, ACADEMIC COURSE
TITLE: "ANALISI DELLA VARIABILITÀ DI SERIE TEMPORALI DI ORIGINE CARDIOVASCOLARE: STIME SPETTRALI AD ALTA RISOLUZIONE"
CANDIDATE: SIMONE POLA
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 1989/90
DEGREE IN ENGINEERING, ACADEMIC COURSE
TITLE: "STUDIO DI UN SISTEMA INFORMATIVO PER UN REPARTO DI CARDIOLOGIA BASATO SU UNA RETE LOCALE"
CANDIDATE: MARCO GIACONI
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 1989/90
DEGREE IN ENGINEERING, ACADEMIC COURSE
TITLE: "METODI PER LA SORVEGLIANZA DELLO STATO EMODINAMICO DEL PAZIENTE IN UNO SPAZIO RIDOTTO DI PARAMETRI"
CANDIDATE: MARCO BUEMI
TUTOR: MICHELE EMDIN

TUTOR, PHYSICS DEGREE THESES,
UNIVERSITY OF PISA, ITALY

UNIVERSITY OF PISA
ACADEMIC YEAR: 2023/2024
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: IPERTERMIA MAGNETICA MEDIATA DA NANOPARTICELLE COME APPROCCIO TERANOSTICO IN CAMPO ONCOLOGICO: STUDIO DI MODELLI E APPLICAZIONI NEL RANGE DEI MHZ

CANDIDATE: DAVIDE GRIOTTI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2014/2015
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: RISONANZA MAGNETICA SPETTROSCOPICA CON [1-13C]ACETATO IPERPOLARIZZATO PER LO STUDIO DEL METABOLISMO CARDIACO.
CANDIDATE: MATTEO LISERANI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2009/10
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: "CARATTERIZZAZIONE DEL TENSORE DI CONDUCIBILITA' TISSUTALE DA MISURE DI AUTODIFFUSIONE DELL'ACQUA CON TECNICHE DI RISONANZA MAGNETICA."
CANDIDATE: MARCO PAGLIAZZI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2009/10
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: "MISURA DELLA CONDUCIBILITÀ ELETTRICA MEDIANTE RISONANZA MAGNETICA"
CANDIDATE: RICCARDO STARAI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2009-2010
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: SVILUPPO DI UN MODELLO CINETICO PER LO STUDIO DEL METABOLISMO CARDIACO MEDIANTE [1-13C]PIRUVATO IPERPOLARIZZATO E RISONANZA MAGNETICA SPETTROSCOPICA
CANDIDATE: ALESSANDRA FLORI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2008/09
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: "SIMULAZIONE E REALIZZAZIONE DI UNA BOBINA A RADIOFREQUENZA PER APPLICAZIONI DI RISONANZA MAGNETICA SPETTROSCOPICA CON 13C"
CANDIDATE: SIMONA ATTANASIO
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2006/07
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: "IL PROBLEMA ELETTROMAGNETICO INVERSO DELL'ELETTROENCEFALOGRAMMA: STUDIO DI UN METODO RISOLUTIVO CON VINCOLI DI RISONANZA MAGNETICA FUNZIONALE."
CANDIDATE: MARCO CAPOGROSSO
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2005/06
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: "IMPLEMENTAZIONE E VALUTAZIONE DELL'ALGORITMO DI WIGNER-VILLE NELLA STIMA SPETTRALE TEMPO VARIANTE DEI SEGNALI BIOLOGICI."
CANDIDATE: ALESSANDRA FLORI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2001/02
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: "SVILUPPO E VALIDAZIONE DI UN NUOVO ALGORITMO PER LO STUDIO DELLA RIPOLARIZZAZIONE VENTRICOLARE DAL SEGNALE ELETTROCARDIOGRAFICO"
CANDIDATE: FEDERICO CANTINI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2001/02
DEGREE IN PHYSICS, ACADEMIC COURSE
TITLE: "MISURA DELLA DINAMICA NON LINEARE DELLA FREQUENZA CARDIACA: CONFRONTO FRA IL MASSIMO ESPONENTE DI LYAPUNOV E LA DIMENSIONE FRATTALE"
CANDIDATE: LUC ZYW

July 2026

TUTOR: MICHELE EMDIN

TUTOR, SPECIALTY THESES, MEDICINA E CHIRURGIA
UNIVERSITIES OF PISA, FLORENCE, ITALY

UNIVERSITY OF SIENA
ACADEMIC YEAR: 2023/24
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "REDO ABLATIVO NELLA FIBRILLAZIONE ATRIALE PERSISTENTE: L'ALCOLIZZAZIONE DELLA VENA DI MARSHALL COMBINATA CON APPROCCIO ANATOMICO"
CANDIDATE: SIMONE TADDEUCCI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2022/23
SPECIALTY COURSE: EMERGENCY MEDICINE
TITLE: "SICUREZZA ED EFFICACIA DI LEVOSIMENDAN IN PAZIENTI CON SCOMPENSO CARDIACO ACUTO E AMILOIDOSI CARDIACA"
CANDIDATE: CHIARA ARZILLI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2016/17
SPECIALTY COURSE: PRIMARY CARE
TITLE: "GESTIONE DELLO SCOMPENSO CARDIACO IN MEDICINA GENERALE"
CANDIDATE: MARTINA LOMBARDI
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 2016/17
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "PFA-100 E STRATIFICAZIONE DEL RISCHIO DOPO SINDROME ACUTA"
CANDIDATE: SARA CHIAPPINO
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 2016/17
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "INCIDENZA CIRCADIANA DI APNEE CENTRALI/RESPIRO DI CHEYNE-STOKES NELLO SCOMPENSO CARDIACO: VALENZA CLINICA E PROGNOSTICA"
CANDIDATE: GIANLUCA MIRIZZI
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 2015/16
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "EVALUATION OF A NOVEL APPROACH FOR ESTIMATION OF PULMONARY CAPILLARY WEDGE PRESSURE AND PULMONARY
VASCULAR RESISTANCE BY DOPPLER-ECHOCARDIOGRAPHY
CANDIDATE: VLADYSLAV CHUBUCHNYI
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2015/16
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "CARATTERISTICHE DIFFERENZIALI DEL RIMODELLAMENTO BIVENTRICOLARE NELL'AMILOIDOSI CARDIACA AL E TTR"
CANDIDATE: GIULIA MY
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2015/16
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "REGIONALITÀ DELLA DENERVAZIONE CARDIACA NELL'AMILOIDOSI SENILE: CORRELATI CLINICI E SCINTIGRAFICI"
CANDIDATE: VALERIA SANTONATO
TUTOR: MICHELE EMDIN

UNIVERSITY OF PISA
ACADEMIC YEAR: 2014/15
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "CARDIAC MAGNETIC RESONANCE AND BISPHOSPHONATE SCINTIGRAPHY IN CARDIAC AMYLOIDOSIS"
CANDIDATE: CHRYSANTHOS GRIGORATOS
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 2012/13
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "GALECTIN-3 AND MYOCARDIAL FIBROSIS IN NONISCHEMIC DILATED CARDIOMYOPATHY"
CANDIDATE: GIUSEPPE VERGARO
TUTOR: MICHELE EMDIN

UNIVERSITY OF FLORENCE
ACADEMIC YEAR: 2012/13
SPECIALTY COURSE: CARDIOVASCULAR SYSTEM DISEASES
TITLE: "CARDIAC MAGNETIC RESONANCE VALUE IN PATIENTS WITH NONISCHEMIC CARDIOMYOPATHY AND LEFT BUNDLE BRANCH BLOCK"
CANDIDATE: ALESSANDRO VALLEGGI
TUTOR: MICHELE EMDIN

TUTOR, MEDICINE DIPLOMA THESES
SCUOLA SUPERIORE SANT'ANNA, PISA, ITALY

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2022 - 2023
TITLE: "NON-INVASIVE ASSESSMENT OF LEFT VENTRICULAR HEMODYNAMICS IN HYPERTROPHIC CARDIOMYOPATHY: PATHOPHYSIOLOGICAL INSIGHTS AND IMPACT OF MYOSIN INHIBITOR TREATMENT"
CANDIDATE: GIORGIA PANICHELLA
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2022 - 2023
TITLE: "IL TESSUTO ADIPOSO EPICARDICO NEI VARI FENOTIPI DI SCOMPENSO CARDIACO. UN FOCUS SULL'AMILOIDOSI CARDIACA"
CANDIDATE: LUCA DIOTALEVI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2020 - 2021
TITLE: "BREAKING THROUGH THE BARRIERS OF TREATMENT-RESISTANT DEPRESSION: A MULTI-DIMENSIONALL AND SYMPTOM-BASED EXAMINATION OF THE EFFECTIVENESS OF KETAMINE AND ESKETAMINE THERAPIES"
CANDIDATE: SIMONE PARDOSSI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2020 - 2021
TITLE: "AN ECHOCARDIOGRAPHIC SCORE OF VALVE DISEASE IN PATIENTS WITH CARDIAC AMYLOIDOSIS"
CANDIDATE: AGNESE MACCARANA
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2018 - 2019
TITLE: "IL RISPARMIO D'ORGANO NELLA CHIRURGIA RESETTIVA EPATICA. UNO STUDIO RETROSPETTIVO SU 126 CASI CONSECUTIVI"
CANDIDATE: GIUSEPPE VACCA
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2016 - 2017
TITLE: "REVERSE REMODELLING IN HEART FAILURE PREVALENCE AND PREDICTORS"
CANDIDATE: ALBERTO AIMO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2016 - 2017
TITLE: "END-OF-LIFE FOR HEART FAILURE PATIENTS IN TUSCANY; A RETROSPECTIVE ANALYSIS FROM ADMINISTRATIVE REGIONAL DATA"
CANDIDATE: FILIPPO QUATTRONE
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2014 - 2015
TITLE: PREDICTORS OF REVERSE REMODELING IN NON-ISCHAEMIC DILATED CARDIOMYOPATHY: A CARDIAC MAGNETIC

RESONANCE STUDY
CANDIDATE: LORENZO NESTI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2011 -2012
TITLE: "APPLICAZIONE E SVILUPPO DI UN MODELLO STATISTICO DI PREDIZIONE DELLA SENSIBILITÀ CHEMOCETTIVA ALL'IPOSSIA E ALL'IPERCAPNIA IN SOGGETTI AFFETTI DA SCOMPENSO CARDIACO CRONICO"
CANDIDATE: GIANLUCA MIRIZZI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2010 - 2011
TITLE: "DIABETE ED INSUFFICIENZA CARDIACA: DALLA FISIOPATOLOGIA ALLA PROGNOSI"
CANDIDATE: LUIGI EMILIO PASTORMERLO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2010 - 2011
TITLE: "PLASMA RENIN ACTIVITY IN THE PROGNOSIS OF HEART FAILURE"
CANDIDATE: GIUSEPPE VERGARO
TUTOR: MICHELE EMDIN

TUTORSHIP
TRANSLATIONAL MEDICINE PHD COURSE THESES, SCUOLA SUPERIORE SANT'ANNA

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEAR: 2019- 2022
TITLE: "ASSESSING THE PERFORMANCE OF THE HEART FAILURE PATHWAY IN REGIONAL HEALTHCARE SYSTEMS"
CANDIDATE: FILIPPO QUATTRONE
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2019- 2022
TITLE: "PIRFENIDONE TO REDUCE SCAR SIZE AND PREVENT ADVERSE VENTRICULAR REMODELING AFTER MYOCARDIAL INFARCTION"
CANDIDATE: ALBERTO AIMO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2018 - 2021
TITLE: "CARDIAC INVOLVEMENT IN CREATINE-TRANSPORTER DEFICIENCY: A METABOLIC, FUNCTIONAL AND STRUCTURAL STUDY"
CANDIDATE: ANNAMARIA DEL FRANCO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2017 - 2020
TITLE: "STUDY OF HUMAN HAEMATOPOIETIC VASCULAR NICHE APPLYING HISTOLOGICAL METHODS, ISOLATION OF HUMAN BONE MARROW STROMAL CELLS AND GENERATION OF HUMANIZED ECTOPIC OSSICLES IN MICE"
CANDIDATE: MARTINA MODENA
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2016 - 2019
TITLE: "NOVEL NANOBASED THERAPEUTIC APPROACHED FOR THROMBOLYSIS"
CANDIDATE: MARIANNA COLASUONNO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2016 - 2019
TITLE: "CARDIOVASCULAR RISK STRATIFICATION BY GGT, EPICARDIAL FAT, CORONARY CALCIUM SCORE IN AN UNSELECTED POPULATION"
CANDIDATE: SARA CHIAPPINO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2016 - 2019
TITLE: "MODULATION OF CENTRAL CHEMORECEPTORS IN SYSTOLIC HEART FAILURE"

CANDIDATE: GIANLUCA MIRIZZI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2015 - 2018
TITLE: "CARDIAC REMODELING IN MODELS OF ANTHRACYCLINE-INDUCED CARDIOMYOPATHY"
CANDIDATE: CHRYSANTHOS GRIGORATOS
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2015 - 2018
TITLE: "SMART HOME FOR THE ELDERLY DESIGN OF A WELLBEING EVALUATOR AND OF A SIMPLIFIED WARNING SCORING SYSTEM"
CANDIDATE: GIOVANNI BENEDETTI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2015 - 2018
TITLE: "REAPPRAISAL AND REMODELING OF IN-HOSPITAL CARE OF END-OF-LIFE IN HEART FAILURE: TOWARDS A PATIENT-CENTERED APPROACH"
CANDIDATE: ALESSANDRO VALLEGGI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2014 - 2017
TITLE: "GALECTIN-3 AND ALDOSTERONE PROFIBROTIC PATHWAYS IN THE FAILING HEART"
CANDIDATE: GIUSEPPE VERGARO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2010 - 2013
TITLE: "MYOCARDIAL INTERSTITIUM REMODELING AND EVOLUTION OF CARDIOMYOPATHIES: A NOVEL CARDIOVASCULAR MAGNETIC RESONANCE APPROACH"
CANDIDATE: ANDREA BARISON
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2009 - 2012
TITLE: "EVALUATING AND TREATING ALTERED CHEMOSENSITIVITY BY NOVEL APPROACHES: MANAGING AUTONOMIC DEREGULATION AND CARDIORESPIRATORY CONTROL IN HEART FAILURE"
CANDIDATE: ALBERTO GIANNONI
TUTOR: MICHELE EMDIN

TUTORSHIP
HEALTH SCIENCE, TECHNOLOGY AND MANAGEMENT PHD COURSE, SCUOLA SUPERIORE SANT'ANNA

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2022 - 2025
TITLE: "MULTIDISCIPLINARY AND INTERDISCIPLINARY APPROACHES FOR TRANSTHYRETIN AMYLOIDOSIS"
CANDIDATE: OLENA CHUBUCHNA
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2020 - 2023
TITLE: "IMPLEMENTATION AND IMPACT OF A NEW HEALTHCARE FACILITY MODEL FOR NON-COMMUNICABLE DISEASE MANAGEMENT IN INTERNAL AREAS"
CANDIDATE: ERICA DE VITA
TUTOR: MICHELE EMDIN

TUTORSHIP
TRANSLATIONAL MEDICINE PHD COURSE, SCUOLA SUPERIORE SANT'ANNA

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2021- 2024
TITLE: "PATHOPHYSIOLOGY OF CARDIAC DAMAGE IN AMYLOIDOSIS: AN EX VIVO AND CLINICAL STUDY"
CANDIDATE: VINCENZO CASTIGLIONE

TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2020 - 2023
TITLE: "DESIGN AND EVALUATION OF AN ELECTRONIC HEALTH RECORD-INTEGRATED PLATFORM FOR HEART FAILURE PATIENT REPORTED OUTCOME MEASURES"
CANDIDATE: FILIPPO QUATTRONE
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2020 - 2023
TITLE: "PIRFENIDONE TO REDUCE SCAR SIZE AND PREVENT ADVERSE VENTRICULAR REMODELING AFTER MYOCARDIAL INFARCTION"
CANDIDATE: ALBERTO AIMO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2018 - 2021
TITLE: "CARDIAC INVOLVEMENT IN CREATINE-TRANSPORTER DEFICIENCY: A METABOLIC, FUNCTIONAL AND STRUCTURAL STUDY"
CANDIDATE: ANNAMARIA DEL FRANCO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2018 - 2021
TITLE: "PREDICTION OF CARDIAC RECOVERY FOLLOWING PERCUTANEOUS REVASCULARIZATION IN ISCHEMIC CARDIOMIOPATY: AN ANIMAL MODEL OF EPICARDIAL STENOSIS AND MICROVASCULAR DYSFUNCTION INDUCED HEART FAILURE."
CANDIDATE: LUIGI ZEZZA
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2017- 2020
TITLE: "STUDY OF HUMAN HAEMATOPOIETIC VASCULAR NICHE APPLYING HISTOLOGICAL METHODS, ISOLATION OF HUMAN BONE MARROW STROMAL CELLS AND GENERATION OF HUMANIZED ECTOPIC OSSICLES IN MICE"
CANDIDATE: MARTINA MODENA
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2016 - 2019
TITLE: "NOVEL NANOBASED THERAPEUTIC APPROACHED FOR THROMBOLYSIS"
CANDIDATE: MARIANNA COLASUONNO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2016 - 2019
TITLE: "CARDIOVASCULAR RISK STRATIFICATION BY GGT, EPICARDIAL FAT, CORONARY CALCIUM SCORE IN AN UNSELECTED POPULATION"
CANDIDATE: SARA CHIAPPINO
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2016 - 2019
TITLE: "MODULATION OF CENTRAL CHEMORECEPTORS IN SYSTOLIC HEART FAILURE"
CANDIDATE: GIANLUCA MIRIZZI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2015 - 2018
TITLE: "CARDIAC REMODELING IN MODELS OF ANTHRACYCLINE-INDUCED CARDIOMYOPATHY"
CANDIDATE: CHRYSANTHOS GRIGORATOS
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
ACADEMIC YEARS: 2015 - 2018
TITLE: "SMART HOME FOR THE ELDERLY DESIGN OF A WELLBEING EVALUATOR AND OF A SIMPLIFIED WARNING SCORING SYSTEM"
CANDIDATE: GIOVANNI BENEDETTI
TUTOR: MICHELE EMDIN

SCUOLA SUPERIORE SANT'ANNA
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CENTERED APPROACH"
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SCUOLA SUPERIORE SANT'ANNA
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SCUOLA SUPERIORE SANT'ANNA
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CANDIDATE: ALBERTO GIANNONI
TUTOR: MICHELE EMDIN

Prof. Emdin's Research fellows' GRANTS

GIUSEPPE VERGARO

EUROPEAN SOCIETY OF CARDIOLOGY - FIRST CONTACT INITIATIVE GRANT AWARDEE

PROJECT TITLE: EFFECTS OF RENIN INHIBITION ON ALDOSTERONE BREAKTHROUGH IN A RAT MODEL OF HEART FAILURE

HOST: INSERM UNIT 942 PARIS-DIDEROT UNIVERSITY HOPITAL LARIBOISIERE, PARIS

SUPERVISOR: DR. CLAUDE DELCAYRE – APRIL 2012

GIUSEPPE VERGARO

EUROPEAN SOCIETY OF CARDIOLOGY - RESEARCH GRANT

PROJECT TITLE: GALECTIN-3 AND ALDOSTERONE PROFIBROTIC PATHWAYS IN THE FAILING HEART

HOST: INSERM UNIT 942 PARIS-DIDEROT UNIVERSITY HOPITAL LARIBOISIERE, PARIS

SUPERVISOR: PROF. ALAIN COHEN-SOLAL – OCTOBER 2013

LUIGI EMILIO PASTORMERLO

2014 - FIRST CONTACT INITIATIVE GRANT OF EUROPEAN SOCIETY OF CARDIOLOGY, AT HOMBURG UNIVERSITY UNDER THE SUPERVISION OF PROFESSOR MICHAEL BOEHM WITH THE PROJECT: RENAL SYMPATHETIC DENERVATION FOR CARDIOPROTECTION AFTER ACUTE MYOCARDIAL INFARCTION: A PRECLINICAL STUDY.

MARIANNA FONTANA

EUROPEAN SOCIETY OF CARDIOLOGY - RESEARCH GRANT
PROJECT TITLE: BREATHING DISORDERS IN HEART FAILURE

ALBERTO GIANNONI

EUROPEAN SOCIETY OF CARDIOLOGY - RESEARCH GRANT
PROJECT TITLE: CARDIORESPIRATORY INTERACTIONS IN HEART FAILURE

CONGRESSES/WORKSHOPS/MASTERS ORGANIZATION

2025

CARDIOMYOPATHIES MASTERCLASS, PISA, ITALY

2024
CARDIOMYOPATHIES MASTERCLASS, PISA, ITALY

2023
AMYLOIDOSIS MASTERCLASS 6, PISA, ITALY

2022
PISA AMYLOID 2022, PISA, ITALY

AMYLOIDOSIS MASTERCLASS 4-5, PISA, ITALY

HEART FAILURE QUESTION TIME, PISA, ITALY

2020
AMYLOIDOSIS MASTERCLASS 3, PISA, ITALY

2019
AMYLOIDOSIS MASTERCLASS 1, PISA, ITALY

AMYLOIDOSIS MASTERCLASS 2, PISA, ITALY

2018
CARE OF CARDIAC AMYLOIDOSIS, PISA, ITALY

2018
VITE SOSPESE, PISA, ITALY

2016-2023
MEDICINA CARDIOVASCOLARE, PISA, ITALY

2014-2018
GETTOGETHER – CLINICAL GRAND ROUNDS, PISA, ITALY

2018
HEART FAILURE: BREAKING NEWS, AREZZO, ITALY

2018
HEART FAILURE 2030: CUTTING EDGE CARE OF THE FAILING HEART, PISA, ITALY

2018
HEART FAILURE: FREQUENTLY ASKED QUESTIONS, FLORENCE, ITALY

2017
HEARTODATE, PISA, ITALY

2017
FOCUS ON CARDIAC AMYLOIDOSIS, PISA, ITALY

2017
CARDIOVASCULAR MEDICINE, FLORENCE, ITALY

2016
DIASTOLE DISEASED "DD – 2016", PISA, ITALY

2015
TRA CARDIOPATIA ISCHEMICA E MALATTIA CORONARICA 2015: IHD VS.CAD, FLORENCE, ITALY

2014
CURARE LA SINDROME CORONARICA ACUTA NEL 2014, FLORENCE, ITALY

2014
HEART & KIDNEY -- UPDATE 2014, FLORENCE, ITALY

2008

CLINICAL USE OF NATRIURETIC PEPTIDES (IMPIEGO CLINICO DEI PEPTIDI NATRIURETICI) – PISA – ISTITUTO DI FISIOLOGIA CLINICA, 17 MARZO 2008 E 5-6 GIUGNO 2008

2007

CURARE LO SCOMPENSO CARDIACO ACUTO (ID 275670) PISA – ISTITUTO DI FISIOLOGIA CLINICA, 14 MAGGIO

IL RESPIRO DI CHEYNE-STOKES (EVENTO NON PRESENTATO AD ACCREDITAMENTO) PISA – ISTITUTO DI FISIOLOGIA CLINICA, 3 DICEMBRE 2007

2006

I SINTOMI DEL CUORE – COME FARE LA DIAGNOSI

2 NATIONAL COURSES (180 CARDIOLOGISTS), 46 TERRITORIAL COURSES (1950 GENERAL PRACTITIONERS)

2005

"INFARTO MIOCARDICO E SISTEMA NEUROENDOCRINO: NUOVI APPROCCI DIAGNOSTICI E NUOVI PERCORSI TERAPEUTICI NEL PAZIENTE DOMICILIARE CON PREGRESSO INFARTO". VALUTAZIONE MULTIPARAMETRICA DEL PAZIENTE CON PREGRESSO INFARTO"

2 NATIONAL COURSES (64 CARDIOLOGISTS), 20 TERRITORIAL COURSES (812 GENERAL PRACTITIONERS)

2004

"INFARTO MIOCARDICO E SISTEMA NEUROENDOCRINO: NUOVI APPROCCI DIAGNOSTICI E NUOVI PERCORSI TERAPEUTICI NEL PAZIENTE DOMICILIARE CON PREGRESSO INFARTO". VALUTAZIONE MULTIPARAMETRICA DEL PAZIENTE CON PREGRESSO INFARTO"

2 NATIONAL COURSES (60 CARDIOLOGISTS), 20 TERRITORIAL COURSES (700 GENERAL PRACTITIONERS)

2006

IL TEST DA SFORZO CARDIOPOLMONARE NEL PAZIENTE CON SCOMPENSO CARDIACO; FISIOPATOLOGIA, STRUMENTI DIAGNOSTICI E SIGNIFICATO CLINICO CORSO TEORICO-PRATICO – 27 MARZO 2006

2004

IL RESPIRO DI CHEYNE-STOKES NELLO SCOMPENSO CARDIACO. FISIOPATOLOGIA, STRUMENTI DIAGNOSTICI E SIGNIFICATO CLINICO. CORSO TEORICO E PRATICO. 29 NOVEMBRE 2004

SCIENTIFIC DIRECTOR: "CURARE LO SCOMPENSO – UNO STAGE NELL'ISTITUTO DI FISIOLOGIA CLINICA DEL CNR DI PISA" E DEL "CORSO TEORICO PRATICO: IL TEST DA SFORZO CARDIOPOLMONARE NEL PAZIENTE CON SCOMPENSO CARDIACO" NEI QUALI HA SVOLTO ATTIVITÀ DI DOCENZA (VEDI CERTIFICATO).

YEAR 2010 – CODICE ECM 886118773
- STAGE DI 4 GIORNI PER 12 PARTECIPANTI PER SPECIALISTI IN CARDIOLOGIA, MEDICINA INTERNA E GERIATRIA
- STAGE DI 3 GIORNI PER 12 PARTECIPANTI PER SPECIALISTI CARDIOLOGI AMBULATORIALI

YEAR 2009 – CODICE ECM 13506-9027447 E ECM 13506-9009187
- STAGE DI 4 GIORNI PER 12 PARTECIPANTI PER SPECIALISTI IN CARDIOLOGIA, MEDICINA INTERNA E GERIATRIA
- STAGE DI 3 GIORNI PER 12 PARTECIPANTI PER SPECIALISTI CARDIOLOGI AMBULATORIALI

YEAR 2008 – CODICE ECM 13506-8003326 E ECM 13506-8008851
- STAGE DI 4 GIORNI PER 12 PARTECIPANTI PER SPECIALISTI IN CARDIOLOGIA, MEDICINA INTERNA E GERIATRIA
- STAGE DI 3 GIORNI PER 12 PARTECIPANTI PER SPECIALISTI CARDIOLOGI AMBULATORIALI

YEAR 2007 – CODICE ECM 1260-227285
- 3 STAGE DI 4 GIORNI PER 12 PARTECIPANTI A STAGE PER SPECIALISTI IN CARDIOLOGIA E MEDICINA INTERNA E GERIATRIA

YEAR 2006 – CODICE ECM 1260-229704 E ECM 1260-227285 ECM 1260-229844
- 3 STAGE DI 4 GIORNI PER 12 PARTECIPANTI A STAGE PER SPECIALISTI IN CARDIOLOGIA, MEDICINA INTERNA E GERIATRIA
- 2 STAGE DI 3 GIORNI PER 12 PARTECIPANTI A STAGE PER SPECIALISTI CARDIOLOGI AMBULATORIALI
- CORSO TEORICO PRATICO: IL TEST DA SFORZO CARDIOPOLMONARE NEL PAZIENTE CON SCOMPENSO CARDIACO PER 40 SPECIALISTI IN MALATTIE APPARATO RESPIRATORIO

YEAR 2005 - CODICE ECM 1260-187711
- 2 4-DAY STAGES: 10 PARTECIPANTS (CARDIOLOGISTS)

EDUCATIONAL CDs

2006

I SINTOMI DEL CUORE – COME FARE LA DIAGNOSI

2004-2005
INFARTO MIOCARDICO E SISTEMA NEUROENDOCRINO: NUOVI APPROCCI DIAGNOSTICI E NUOVI PERCORSI TERAPEUTICI NEL PAZIENTE DOMICILIARE CON PREGRESSO INFARTO

REFERENCE SIGNAL DATABASES

PHYSIONET (FREE ACCESS VIA THE WEB TO LARGE COLLECTIONS OF RECORDED PHYSIOLOGIC SIGNALS AND RELATED OPEN-SOURCE SOFTWARE).
WWW.PHYSIONET.ORG/
"MICHELE EMDIN PLAYED A MAJOR ROLE IN DEVELOPING AND YEARTATING THE EUROPEAN ST-T DATABASE, AND ALSO PROVIDED CRITICAL CLINICAL INPUT TO THE SELECTION AND YEARTATION OF THE LONG-TERM ST DATABASE. HE IS ALSO AN AUTHOR OF SEVERAL CONTRIBUTED PAPERS"
HTTP://PHYSIONET.CAREGROUP.HARVARD.EDU/CONTRIBUTORS/

EUROPEAN ST-T DATABASE:

"THE EUROPEAN ST-T DATABASE IS INTENDED TO BE USED FOR EVALUATION OF ALGORITHMS FOR ANALYSIS OF ST AND T-WAVE CHANGES. THIS DATABASE CONSISTS OF 90 YEARTATED EXCERPTS OF AMBULATORY ECG RECORDINGS FROM 79 SUBJECTS. … WE THANK CARLO MARCHESI, ALESSANDRO TADDEI, AND MICHELE EMDIN OF THE CNR INSTITUTE FOR CLINICAL PHYSIOLOGY IN PISA FOR ARRANGING FOR THESE RECORDINGS TO BE MADE AVAILABLE VIA PHYSIONET."
HTTP://WWW.PHYSIONET.ORG/PHYSIOBANK/DATABASE/EDB/

THE LONG-TERM ST DATABASE:

"THE LONG-TERM ST DATABASE CONTAINS 86 LENGTHY ECG RECORDINGS OF 80 HUMAN SUBJECTS, CHOSEN TO EXHIBIT A VARIETY OF EVENTS OF ST SEGMENT CHANGES, INCLUDING ISCHEMIC ST EPISODES, AXIS-RELATED NON-ISCHEMIC ST EPISODES, EPISODES OF SLOW ST LEVEL DRIFT, AND EPISODES CONTAINING MIXTURES OF THESE PHENOMENA. THE DATABASE WAS CREATED TO SUPPORT DEVELOPMENT AND EVALUATION OF ALGORITHMS CAPABLE OF ACCURATE DIFFERENTIATION OF ISCHEMIC AND NON-ISCHEMIC ST EVENTS, AS WELL AS BASIC RESEARCH INTO MECHANISMS AND DYNAMICS OF MYOCARDIAL ISCHEMIA".
DEVELOPMENT OF THE LONG-TERM ST DATABASE WAS AN INTER-INSTITUTIONAL AND INTERNATIONAL EFFORT COORDINATED BY PROF. FRANC JAGER OF THE FACULTY OF COMPUTER AND INFORMATION SCIENCE, UNIVERSITY OF LJUBLJANA, LJUBLJANA, SLOVENIA. OTHER INVESTIGATORS INCLUDE: ROMAN DORN, PHD, AND ALES SMRDEL, MSC, OF THE FACULTY OF COMPUTER AND INFORMATION SCIENCE, LJUBLJANA; DR. GORAZD ANTOLIC OF THE UNIVERSITY MEDICAL CENTER, LJUBLJANA, SLOVENIA; DRS. ALESSANDRO TADDEI AND MICHELE EMDIN OF THE CNR INSTITUTE FOR CLINICAL PHYSIOLOGY (THE CREATORS OF THE EUROPEAN ST-T DATABASE EUROPEAN ST-T DATABASE), PISA, AND PROF. CARLO MARCHESI OF THE UNIVERSITY OF FIRENZE, FIRENZE, ITALY; AND DR. ROGER MARK AND GEORGE MOODY OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY (THE CREATORS OF THE MIT-BIH ARRHYTHMIA DATABASE), CAMBRIDGE, MA, USA, AND THE BETH ISRAEL DEACONESS MEDICAL CENTER, BOSTON, MA, USA. THE PROJECT WAS SUPPORTED BY MEDTRONIC, INC. (MINNEAPOLIS, MN, USA) AND ZYMED, INC. (CAMARILLO, CA, USA). DEVELOPMENT OF THE LONG-TERM ST DATABASE BEGAN IN 1995 AND WAS COMPLETED IN 2002.
HTTP://PHYSIONET.CAREGROUP.HARVARD.EDU/PHYSIOBANK/DATABASE/LTSTDB/

GUIDELINES & CONSENSUS DOCUMENTS

2024

Michele Emdin, Iacopo Olivotto, Alberto Giannoni, Francesca Bonanni, Francesco Gentile, Marco Di Paolo. PERCORSO CLINICO NELLA MORTE CARDIACA IMPROVVISA - Le indicazioni clinico assistenziali e le buone pratiche dell'Organismo Toscano per il Governo Clinico

Michele Emdin, Serafina Valente, Massimo Milli, Alberto Aimo, Valentina Spini, Roberta Poletti, Filippo Quattrone, Angela Durante, Emilio Pasanisi. PERCORSO CLINICO NELLO SCOMPENSO CARDIACO - Le indicazioni clinico assistenziali e le buone pratiche dell'Organismo Toscano per il Governo Clinico

2021

MOURA B, AIMO A, AL-MOHAMMAD A, FLAMMER A, BARBERIS V, BAYES-GENIS A, BRUNNER-LA ROCCA HP, FONTES-CARVALHO R, GRAPSA J, HÜLSMANN M, IBRAHIM N, KNACKSTEDT C, JANUZZI JL, LAPINSKAS T, SARRIAS A, MATSKEPLISHVILI S, MEIJERS WC, MESSROGHLI D, MUELLER C, PAVO N, SIMONAVIČIUS J, TESKE AJ, VAN KIMMENADE R, SEFEROVIC P, COATS AJS, EMDIN M, RICHARDS AM. INTEGRATION OF IMAGING AND CIRCULATING BIOMARKERS IN HEART FAILURE: A CONSENSUS DOCUMENT BY THE BIOMARKERS AND IMAGING STUDY GROUPS OF THE HEART FAILURE ASSOCIATION OF THE EUROPEAN SOCIETY OF CARDIOLOGY. EUR J HEART FAIL. 2021 OCT;23(10):1577-1596. DOI: 10.1002/EJHF.2339. EPUB 2021 SEP 14. PMID: 34482622.

2016

EUROPEAN SOCIETY OF CARDIOLOGY, GUIDELINES ON PULMONARY HYPERTENSION REVIEWER NOMINEE (ITALIAN FEDERATION OF CARDIOLOGY)

2012

REVISIONE LINEE GUIDA SCOMPENSO CARDIACO – REGIONE TOSCANA

DR. ANDREA AMERINI, DR. GABRIELE CASTELLI, DR. GIAMPAOLO COLLECCHIA, DR.SSA SABINA CORDARO, DR. SANDRO CORTINI, DR.SSA BEATRICE DILAGHI, DR FRANK DINI, DR. MICHELE EMDIN, PROF. FRANCESCO FATTIROLLI, PROF. GIAN FRANCO GENSINI, DR.SSA GESSICA ITALIANI, DR.SSA ELAINE LAWS, PROF. MASSIMO MARZILLI, DR.SSA MARIA LUISA MASINI, DR. FRANCESCO MAZZUOLI, DR. CARLO NOZZOLI, DR. CARLO PANESI, DR CLAUDIO PASSINO, DR S. PIANESI, DR. STEFANO SANTONI, DR. ALFREDO ZUPPIROLI.

2007

LINEE GUIDA SCOMPENSO CARDIACO –REGIONE TOSCANA

ANDREA AMERINI, ANTONIO BARSOTTI, GABRIELE CASTELLI, GIAMPAOLO COLLECCHIA, SABINA CORDARO, SANDRO CORTINI, BEATRICE DILAGHI, MICHELE EMDIN, GIAN FRANCO GENSINI, (COORDINATORE), GESSICA ITALIANI, ELAINE LAWS, MARIO MARZILLI, FRANCESCO MAZZUOLI, CARLO NOZZOLI, CARLO PANESI, STEFANO SANTONI, ALFREDO ZUPPIROLI.

2005

RECOMMENDATIONS FOR THE CLINICAL USE OF CARDIAC NATRIURETIC PEPTIDES.

EMDIN M, CLERICO A, CLEMENZA F, GALVANI M, LATINI R, MASSON S, MULE P, PANTEGHINI M, VALLE R, ZANINOTTO M, GANAU A, MARIOTTI R, VOLPE M, ASPROMONTE N, CACCIATORE G, CAPPELLETTI P, L'ABBATE A, MIGLIO F, OTTANI F, PAGANI F, PASSINO C, PLEBANI M, SARZANI R, ZUCCHELLI G; ITALIAN ASSOCIATION OF HOSPITAL CARDIOLOGISTS; ITALIAN SOCIETY OF CARDIOLOGY; ITALIAN FEDERATION OF CARDIOLOGY; ITALIAN SOCIETY OF CLINICAL CHEMISTRY AND MOLECULAR BIOLOGY; ITALIAN SOCIETY OF LABORATORY MEDICINE; ITALIAN SOCIETY OF EMERGENCY MEDICINE. ITAL HEART J. 2005 MAY;6(5):430-46.

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
ITALIAN

OTHER LANGUAGES

	ENGLISH, FRENCH
• Reading skills	Excellent
• Writing skills	Excellent
• Verbal skills	Excellent

SOCIAL SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential etc.
Open to work in team and to share ideas in multicultural environments. Great reliability in team building, and people self-esteem increasing High availabiliy to learning and teaching. Great reliability in professional and human field and to engage in every activity or working project, that can widen my incipient working experience.
Member of most important National and European Societies of Cardiology
Member of several National and International Research Working Groups (Cardiology, Cardiovascular Pathophysiology, Clinical Informatics)

ORGANISATIONAL SKILLS AND COMPETENCES

Coordination and administration of people, projects and budgets at work
Organization of several Conferences, Workshops and Seminars
Participation to and Coordination of several Italian and international research projects
Editorial activity. Referee activity for the most distinguished International Journals in the field of Internal Medicine, Cardiology, Biomedical Engineering and Biophysics.
Participation to compilation of many international guidelines
Teaching activity at Pisa University and Sant'Anna School of Superior Studies
Training courses promoter for people vocational education in many medical fields
Advisor and Co-advisor for several Med Sc. dissertation and PhD projects and dissertations.

. **RESEARCH EXPERTISE**

- Autonomic nervous system control of cardiovascular system
- Clinical models of autonomic and humoral impairment (orthotopic cardiac transplant, cardiac Chagas' disease, application, acute cerebral damage, thyroid disease, heart failure, obesity, diabetes, arterial hypertension)
- Clinical and research application of computerized techniques of analysis of biological parameters time variability. - - Spectral analysis of heart rate variability, chaotic indexes of heart rate and blood pressurevariability
- Neurohormonal control of heart and circulation
- Natriuretic hormones
- Thyroid and the heart
- Cheyne-Stokes respiration in heart failure, pathophysiology, diagnosis, prognostic value and treatment
- Cancer and heart; impact of chemotherapy and radiotherapy on the heart
- Cardomyopathies
- Cardiac amyloidosis
- Heart failure, Right heart failure, Treatment of refractory heart failure
- Heart failure epidemiology
- Assessment of heart failure and heart failure diagnostic and therapeutic process socio-economic impact
- Coronary artery disease, pathophysiology, diagnosis and treatment
- Gamma-glutamyl transpeptidase as cardiovascular risk factor.
- Biosignal ambulatory monitoring and stress testing for the diagnosis of ischemic heart disease and heart failure.
- Cardiopulmonary stress testing.
- Pathophysiology of angina pectoris and transient myocardial ischemia, pathophysiology of heart failure.
- ST segment analysis for the detection of ischemia; reference ECG databases.
- Pathophysiology of hypertension.
- Arterial hypertension
- Juvenile sudden death
- Systemic sclerosis: pathophysiology and cardiac involvement.
- Vasculitis and the heart.
- Pulmonary arterial hypertension and neurohormones.
- Expertise in clinical pharmacological trials
- Nanotechnologies for diagnosis and treatment in cardiovascular diseases
- Ethics in medicine
- Medical reasoning
- Narrative Medicine
- End-of-life issues
- Artificial intelligence in Medicine
- Humaniztion of care

SCIENTIFIC JOURNALS: EDITORIAL ROLES

Fournal of Cardiovascular Medicine, 2025 - now
Editorial Board

European Heart Journal - Quality of Care and Clinical Outcomes, 2025 - now
Associate Editor, Editorial Board

European Journal of Preventive Cardiology, 2024 - now
Associate Editor, Editorial Board

European Journal of Preventive Cardiology, 2016 - 2024
Deputy Editor, *(1333 manuscripts pre-evaluated for assignment to Associate Editors)*

Giornale Italiano di Cardiologia, 2024 - now
Editorial Board, Editorial Consultant

International Journal of Cardiology, 2016 - now
Associate Editor, Editorial Board *(460 manuscripts evaluated for review referral)*

Amyloid: The Journal of Protein Folding Disorders, 2023 - now
Editorial Board, Editorial Consultant

JACC Cardiooncology, 2022 - now

Editorial Board, Editorial Consultant

European Journal of Heart Failure, 2022 - now
Editorial Board, Editorial Consultant

Journal of Cardiac Failure, 2021 - now
Editorial Board, Editorial Consultant

Journal of the American College of Cardiology-Heart Failure, 2018 - now
Editorial Board, Editorial Consultant

Journal of the American College of Cardiology, 2016 - 2018
Editorial Board, Editorial Consultant

Reviewer for 85 Journals up to May 2026 (>1400 reviews):

Anestesiology, Intensive Medicine
Acta Anestesiologica Scandinavica, Acute Cardiac Care

Bioingeneering
Biomedical Engineering and Computing, Engineering in Medicine and Biology Magazine, IEEE Transaction in Biomedical Engineering

Cardiology and Pneumology
American Heart Journal, American Journal of Cardiology, BMC Cardiovascular Disorders, Cardiovascular Research, Cardiac Failure Reviews, Circulation, Circulation-Heart Failure, Circulation: Genomic and Precision Medicine, ESC Heart Failure, European Heart Journal, European Heart Journal – Cardiovascular Imaging, European Heart Journal - Quality of Care and Clinical Outcomes, European Journal of Heart Failure, Future Cardiology, Giornale Italiano di Cardiologia, Heart, Heart Failure Reviews, Journal of the American Medical Association (JAMA) Cardiology, Journal of Cardiac Failure, Journal of Cardiovascular Medicine, Journal of the American College of Cardiology, Journal of the American College of Cardiology - Electrophysiology, Journal of the American College of Cardiology - Heart Failure, Journal of the American College of Cardiology - CardioOncology, Journal of the American College of Cardiology-Asia, Journal of the American Heart Association, International Journal of Cardiology, International Journal of Cardiovascular Medicine, Nature Reviews Cardiology, Respiratory Research, Scandinavian Cardiovascular Journal,

Clinical Biochemistry
Analytical Biochemistry, Biomarkers, Biomarkers in Medicine, Brazilian Journal of Medical and Biological Research, Chimica Clinica Acta, Clinical Chemistry and Laboratory Medicine, Expert Reviews of Proteomics, Free Radical Research, Separations.

Diabetology, Gastroenterology, Metabolism, Nutrition, Rheumatology
Clinical and Experimental Rheumatology, Diabetologia, Experimental Diabetes Research, Gut, Metabolism, Metabolism and Cardiovascular Diseases, Nutrition, Nutrition Research, Obesity, Obesity Research

Imaging
Journal of Clinical Ultrasounds, Journal of Medical Ultrasound, International Journal of Cardiovascular Imaging

Internal Medicine, General Medicine
Amyloid: The Journal of Protein Folding Disorders, Annals of Internal Medicine, EbioMedicine, European Journal of Internal Medicine, Future Medicine, Mayo Clinic Proceedings: Innovations, Quality & Outcomes, Medical Science Monitor, Plosone, Postgraduate Medical Journal, Scientific Reports.

Neurology, Psychiatry
Annals of Neurology, Epilepsia, Psychiatry Research, Sleep Medicine

Oncology
British Journal of Cancer, Journal of Chemotherapy

Physiology, Pathophysiology, Pathology, Pharmacology
Ageing Research Reviews, American Journal of Physiology, British Journal of Pharmacology, Clinical Physiology and Functional Imaging, Journal of Applied Physiology, Journal of Physiology, Pharmacological Research, Pharmacological Reviews, Recent Patents on Cardiovascular Drug Discovery

Quality of Care
The Lancet Regional Health - Europe

PUBLICATIONS

Scopus Author ID is ***7005694410***

ORCID ID is ***https://orcid.org/0000-0002-8541-1962***

Web of Science ResearcherID is ***AAC-6465-2022***

Editor of 6 books

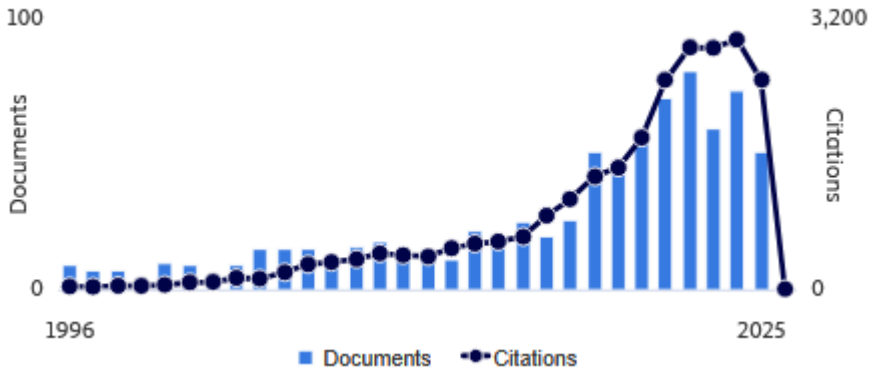
Authors of 46 chapters in Medical Books

Scopus 1984 – 2025; September 20, H index 72; Total citations 25,577; Cited documents 833

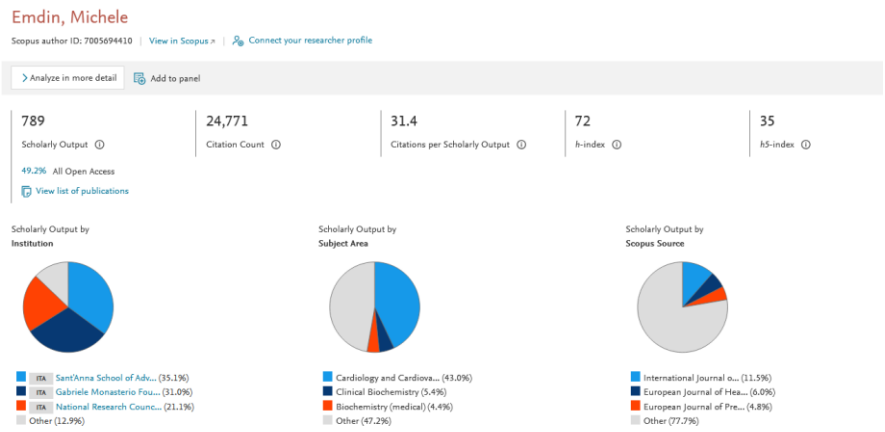
ISI Web of Science 2024 H index 59; Total citations 13,624; Cited documents 755

Pubmed 1984 – 2025; September 20: 775 full papers
(https://pubmed.ncbi.nlm.nih.gov/?term=emdin+m&sort=date&size=100);

Google Scholar 1984 – 2025; September 20:: H index 8; Total citations 29,166



SCOPUS



SCIVAL

MOVIES, PRODUCER

2023

Vite sospese. Dal buio alla luce Producer Emdin, Michele, Scuola Superiore Sant'Anna

BOOKS, EDITOR

Medical books

2024

Amiloid Cardiomyopathies: Clinical, Diagnostic and Therapeutic Aspects, An Issue of Heart Failure Clinics. Editors: Limongelli, Giuseppe, Merlo, Marco, Monda, Emanuele, Emdin, Michele. Elsevier, 2024, 240 pages

Cardiac Amyloidosis: Diagnosis and Treatment. Editors: Emdin, Michele, Vergaro, Giuseppe, Aimo, Alberto, Fontana, Marianna, Springer-Verlag, 2024, 332 pages

2020

Amiloidosi cardiaca Come si diagnostica, come si cura. Editors: Emdin, Michele, Vergaro, Giuseppe, Passino, Claudio Pisa University Press 2020, 327 pages

2016

The Breathless Heart. Editors: Emdin, Michele, Giannoni, Alberto, Passino, Claudio Springer-Verlag, 287 pages

2006

Natriuretic Peptides. The Hormones of the Heart. Editors: Clerico, Aldo, Emdin, Michele, Springer-Verlag, 2006, XIV, 184 pages (reviewed by New Engl J Med, Clin Chem, Clin Chem Lab Med)

2001

Scompenso cardiaco e sistema neuroendocrino. Emdin Michele, Iervasi Giorgio, Eds. I quaderni del CNR. Primula Ed., Pisa, 2001, 164 pages

Public history

2026

Memoria. Diario di un viaggio. Editors: Emdin, Michele, Marian Alexandru Isacov. Pisa University Press 2026.

2019

Vite sospese. 1938: Università ed ebrei a Pisa. Editors: Emdin, Michele, Henry, Barbara, Pavan, Ilaria. Pisa University Press 2019. Premio Matteotti per la Saggistica della Presidenza del Consiglio dei Ministri, 2021.

Chapters in books

2025

Personalized medicine: a medical perspective. Michele Emdin, Giuseppe Vergaro, Claudio Passino in: Enabling & safeguarding personalized medicine. Editors: Francesca Gennari, Arianna Rossi e Federica Casarosa. Springer 2025, vol 7. Springer, Cham. https://doi.org/10.1007/978-3-031-99709-9_7

2024

Giampaolo Merlini and the Pavia School Michele Emdin Pages 9-11 In Cardiac Amyloidosis: Diagnosis and treatment Editors: Emdin, Michele, Vergaro, Giuseppe, Aimo, Alberto, Fontana, Marianna, Springer-Verlag, 2024.

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Biomarkers: Monoclonal Protein and Indicators of Cardiac Damage. Vincenzo Castiglione, Maria Franzini, Silvia Masotti, Chiara Arzilli, Michele Emdin, Giuseppe Vergaro Pages 133-150 In Cardiac Amyloidosis: Diagnosis and treatment Editors: Emdin, Michele, Vergaro, Giuseppe, Aimo, Alberto, Fontana, Marianna, Springer-Verlag, 2024.

The Role of Tissue Biopsy: Identification of the Amyloid Precursor and Beyond. Angela Pucci, Veronica Musetti, Francesco Greco, Angela Dispenzieri, Michele Emdin Pages 183-196. In Cardiac Amyloidosis: Diagnosis and treatment Editors: Emdin, Michele, Vergaro, Giuseppe, Aimo, Alberto, Fontana, Marianna, Springer-Verlag, 2024.

Cardiac Amyloidosis: Open Issues and Future Perspectives. Michele Emdin, Giuseppe Vergaro, Alberto Aimo, Marianna Fontana, Giampaolo Merlini Pages 311-324, in Cardiac Amyloidosis: Diagnosis and treatment Editors: Emdin, Michele, Vergaro, Giuseppe, Aimo, Alberto, Fontana, Marianna, Springer-Verlag, 2024.

Pathophysiology of Cardiac Amyloidosis. Paolo Morfino, Alberto Aimo, Maria Franzini, Giuseppe Vergaro, Vincenzo Castiglione, Giorgia Panichella, Giuseppe Limongelli, Michele Emdin. In Amiloid Cardiomyopathies: Clinical, Diagnostic and Therapeutic Aspects, An Issue of Heart Failure Clinics, 2024.

The Role of Echocardiography for the Clinical Diagnosis, Risk Stratification, and Management of Cardiac Amyloidosis. Federica Verrillo, Giuseppe Palmiero, Emanuele Monda, Francesca Dongiglio, Gaetano Diana, Gianfranco Sinagra, Michele Emdin, Giuseppe Limongelli. In Amiloid Cardiomyopathies: Clinical, Diagnostic and Therapeutic Aspects, An Issue of Heart Failure Clinics, 2024.

The Role of Scintigraphy with Bone Radiotracers in Cardiac Amyloidosis Paolo Morfino, Alberto Aimo, Assuero Giorgetti, Dario Genovesi, Marco Merlo, Giuseppe Limongelli, Vincenzo Castiglione, Giuseppe Vergaro, Michele Emdin. In Amiloid Cardiomyopathies: Clinical, Diagnostic and Therapeutic Aspects, An Issue of Heart Failure Clinics, 2024.

Genotype-Phenotype Correlations in ATTR Amyloidosis: A Clinical Update. Emanuele Monda, Chiara Cirillo, Federica Verrillo, Giuseppe Palmiero, Luigi Falco, Alberto Aimo, Marco Merlo, Giuseppe Limongelli. In Amiloid Cardiomyopathies: Clinical, Diagnostic and Therapeutic Aspects, An Issue of Heart Failure Clinics, 2024.

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(Le) amiloidosi: conoscere per curare Michele Emdin, Giuseppe Vergaro, Claudio Passino in: Amiloidosi cardiaca Come si diagnostica, come si cura. Editors: Emdin, Michele, Giuseppe Vergaro, Claudio Passino, Pisa University Press 2020.

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Pisa, August 26, 2026

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