PERSONAL INFORMATION

Andrea MAZZANTI

Department of Molecular Cardiology – IRCCS ICS Maugeri, Pavia, Italy
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[redacted]

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Scopus Author ID: 36480298200; Web of Science Researcher ID: C-3848-2015

Sex M | Date of birth [redacted] *Nationality* Italian

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☒ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

12/2018 – Current
Research assistant professor
University of Pavia - Department of Molecular Medicine, Pavia, Italy (www.unipv.it)
Clinical and translational research in cardiology (inherited arrhythmias and cardiomyopathies); mentoring of undergraduate and Ph.D. students; lecturing different undergraduate and graduate courses.
Business or sector: Cardiology

2017 – Current
Co–coordinator of the European Registry on Short QT Syndrome
ERN GUARD–HEART: Gateway to Uncommon and Rare Diseases of the Heart
https://guardheart.em–net.eu/
Management of the patients' registry in an EU funded project for the study and treatment of rare inherited arrhythmogenic conditions.
Business or sector: Cardiology

01/2017 – Current
Visiting scientist
Centro Nacional de Investigaciones Cardiovasculares Carlos III, Madrid, Spain (www.cnic.es)
Monthly visits (4-5 days) to conduct research in in the field of gene therapy and experimental electrophysiology.
Business or sector: Cardiology – Translational Research

07/2012 – Current
Clinical cardiologist
IRCCS ICS Maugeri, Pavia, Italy (www.icsmaugeri.it)
Outpatient and ward clinic specialized in inherited arrhythmogenic diseases and cardiomyopathies; Cardiovascular imaging; Clinical and translational research in cardiology.
Business or sector: Cardiology

02/2011 – 06/2012
Clinical cardiologist and Researcher
Health in Code – La Coruña, Spain (www.healthincode.com)
Outpatient clinic for patients with inherited arrhythmogenic diseases and cardiomyopathies; Development of new screening tools for genetic conditions of the heart; Business development in a highly competitive academic spin-off company.
Business or sector: Cardiology – Genetic Heart Diseases

08/2010 – 01/2011
Clinical cardiologist
The Salam Centre for Cardiac Surgery – NGO Emergency, Khartoum, Sudan (www.emergency.it)
Head of the cardiology ward; Outpatient clinic and cardiac intensive care unit; Intraoperative transthoracic and transoesophageal echocardiography
Business or sector: Cardiology – Cardiac Surgery – Emergency Medicine

EDUCATION AND TRAINING

2019 – Current
National Scientific Qualification (Professor "II Fascia") – Settore 06/D1
Italian Ministry of Education, University and Research (www.miur.gov.it)
Field: Cardiovascular Diseases

10/2016 – 12/2019
Doctor of Philosophy in Biomedical Sciences (XXXII cycle) *EQF 8*
University of Pavia, Pavia, Italy (https://web.unipv.it/)
Thesis: Development and Characterization of the First Large Mammal Model of Long QT Syndrome

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2015 – 2016	**Master in Medical and Genomic Statistics** University of Pavia, Pavia, Italy (https://web.unipv.it/) Field(s) of study: Life sciences, mathematics and statistics: Statistics	*EQF 8*
06/2006 – 06/2010	**Specialist in Cardiology (final grade 70/70)** University of Turin, Turin, Italy (https://en.unito.it/) Thesis: "Long-Term Follow-Up of Patients with Short QT Syndrome" (*J Am Coll Cardiol.* 2011; 58:587-95)	*EQF 7*
10/1998 – 03/2005	**Medical Doctor (final grade 110/110 magna cum laude)** University of Turin, Turin, Italy (https://en.unito.it/)	*EQF 6*
1993– 1998	**High School Diploma (final grade 60/60)** Liceo Classico Vittorio Alfieri, Turin, Italy (http://liceoalfieri.it/)	*EQF 4*

WORK ACTIVITIES

Honours and Awards

-2020: Young Scientific Board – Società Italiana di Medicina e Chirurgia Rigenerativa Polispecialistica Responsabile prof. E. Caradonna – Campobasso, Italy

- 2020: Member of PhD Commission – University of La Coruña, Spain
- 2014: Member of PhD Commission – University of Murcia, Spain
- 2006: Research scholarship on heart failure (A.O.U. Città della Salute e della Scienza di Torino, Turin, Italy)

Editorial Activity

Member of the Editorial Board: Journal of Child and Adolescent Health

Member of the Editorial Board: Journal of Cardiovascular Electrophysiology

Reviewer: Circulation, Journal of the American College of Cardiology, Circulation Research, Nature Reviews Cardiology

Invited Presentation

More than 50 invitations in the last five years by the leading cardiological societies (ESC, EHRA, HRS, AHA)

Grants

2014 – 2018: Gilead Research Grant Group Member: "Long QT Syndrome type 3: epidemiological profile, risk stratification and personalized management"

2016: Gilead Research Grant Group Member: "Role of Calmodulin kinase II inhibitors in Catecholaminergic Polymorphic Ventricular Tachycardia in knock-in animal models"

Patents

Compositions and methods for the treatment of dominantly inherited catecholaminergic polymorphic ventricular tachycardia.
Publication number: WO/2019/193563

Predicting patient response to sodium channel blockers
Application number: 16708312

ADDITIONAL INFORMATION

Research Output Summary

- **Last 10 years: 64 indexed papers, of which 21 as the first author. Total impact factor (IF) 757. Average IF/paper 11.8. Total citations 4,124 (Scopus); H-index 22 (Scopus).**

Publications (5 Selected)

- **Mazzanti, A.**, Kanthan, A., Monteforte, et al. Novel insight into the natural history of short QT syndrome (2014) *Journal of the American College of Cardiology*, 63, pp. 1300-1308. **Cited 129 times.** PMID: 24291113. IF 16.5
- **Mazzanti, A.**, Maragna, R., Faragli, et al. Gene-specific therapy with mexiletine reduces arrhythmic events in patients with long QT syndrome type 3 (2016) *Journal of the American College of Cardiology*, 67, pp. 1053-1058. **Cited 105 times**. PMID: 26940925. IF 19.9
- **Mazzanti, A.**, Ng, K., Faragli, A., et al. Arrhythmogenic Right Ventricular Cardiomyopathy: Clinical Course and Predictors of Arrhythmic Risk (2016) *Journal of the American College of Cardiology*, 68, pp. 2540-2550. **Cited 91 times**. PMID: 27931611. IF 19.9
- **Mazzanti, A.**, Maragna, R., Vacanti, et al. Interplay Between Genetic Substrate, QTc Duration, and Arrhythmia Risk in Patients with Long QT Syndrome (2018) *Journal of the American College of Cardiology*, 71, pp. 1663-1671. **Cited 66 times**. PMID: 29650123. IF 18.6
- Bongianino R, Denegri M, **Mazzanti A,** et al. Allele-Specific Silencing of Mutant mRNA Rescues Ultrastructural and Arrhythmic Phenotype in Mice Carriers of the R4496C Mutation in the Ryanodine Receptor Gene (RYR2) (2018) *Circulation Research*, 121, page 525-536. **Cited 31 times**. PMID: 28620067. IF 15.9

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