



## EAPC Sections' Nuclei elections 2024 – 2026

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## **Population Science and Public Health Section**

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Ioana Cristina Daha



### **Present Position**

- Since 2016, Senior cardiologist, Cardiology Department, Colentina Clinical Hospital, Bucharest, Romania
- Since Feb 2017, Senior Lecturer, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

### **Training and Education**

2016 Senior Cardiologist

2014 PhD in Medicine, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

May-august 2011 visiting cardiologist at Inselspital Bern, Switzerland

2010 Cardiology Specialist

2008 Internal Medicine - senior doctor

2002 Internal Medicine Specialist

1997-2002 Internal Medicine residency

1990-1996, medical studies, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

- FESC since 2024

## Major Publications (5-10 most important publications in the field)

1. Vîjan AE\*, **Daha IC\***, Delcea C, Bădilă E, Dan G-A. Prognostic Impact of Severe Atrial Functional Tricuspid Regurgitation in Atrial Fibrillation Patients. *Journal of Clinical Medicine*. 2022; 11(23):7145. <https://doi.org/10.3390/jcm11237145>

\*co-first authors

2. K.L. Way, D. Birnie, C. Blanchard, G. Wells, P. Dorian, H.T. Jorstad, **I.C. Daha**, N. Suskin, P. Oh, R. Parkash, P. Poirier, S.A. Prince, H. Tulloch, A.L. Pipe, H. Hans, J. Wilson, K. Comeau, S. Vidal-Almela, T. Terada, J.L. Reed, The Physical Activity Levels and Sitting Time of Adults Living with Atrial Fibrillation – The CHAMPLAIN-AF Study, *CJC Open* (2022), doi: <https://doi.org/10.1016/j.cjco.2022.01.004>

3. Vîjan, A.E.\*; **Daha, I.C.\***; Delcea, C.; Dan, G.-A. Determinants of Prolonged Length of Hospital Stay of Patients with Atrial Fibrillation. *J. Clin. Med.* 2021, 10, 3715. <https://doi.org/10.3390/jcm10163715>

\*co-first authors

4. Baicus, C, Balanescu, P, Zeh, S, et al. Characteristics of shared decision making in Romania from the patient perspective: A cross-sectional multicentric study. *J Eval Clin Pract.* 2019; 25: 1152– 1159. <https://doi.org/10.1111/jep.13257>

5. Voiosu AM, **Daha IC**, Voiosu TA, Mateescu BR, Dan GA, Băicuș CR, Voiosu MR, Diculescu MM. Prevalence and impact on survival of hepatopulmonary syndrome and cirrhotic cardiomyopathy in a cohort of cirrhotic patients. *Liver Int.* 2015 Dec;35(12):2547-55. doi: 10.1111/liv.12866. Epub 2015 May 29. PMID: 25974637.

6. Barth J, Jacob T, **Daha I**, Critchley JA. Psychosocial interventions for smoking cessation in patients with coronary heart disease. *Cochrane Database Syst Rev.* 2015 Jul 6;(7):CD006886. doi: 10.1002/14651858.CD006886.pub2. PMID: 26148115.

## Major Research Interest(s)

- Risk scores and risk evaluation in special populations
- Patient education
- Exercise training and patient-related outcomes in atrial fibrillation and heart failure
- Gender issues in atrial fibrillation and heart failure
- Cardiac amyloidosis – quality of life, exercise capacity

## Vision Statement

My passion is preventive cardiology! Working as a general cardiologist showed me the hidden value of cardiac prevention but also the lack of structure in everyday practice when dealing with guideline recommendations in clinical practice. Moreover, special populations like COPD, psoriasis and other autoimmune diseases have no personalized risk stratification tools. Working together with the members of Population Science and Public Health Section Nucleus would be a major honor and also an opportunity to underpin structured and personalized preventive measurements for these high-risk populations. By participating in Registries of EORP, I realized the gap between guidelines and real-life. Non-optimal translation of guidelines-driven recommendations in real life is a major cause of unnecessary and premature cardiovascular morbidity and mortality. The development of easy-to-use instruments and the definition of high-quality care would better enable the promotion of cardiometabolic health at a population level. Another highlight of my activity would be to work together with Nucleus members to better understand the role of the environment in health and especially in cardiovascular health. Change of climate impacts all of us and will represent a challenge from cardiovascular health point of view in the years to come.

I believe in team work and international collaboration for better shaping the future of EAPC.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Mayank Dalakoti



### Present Position

2022	Present	Department of Cardiology / National University Health System Department of Medicine / Ng Teng Fong General Hospital, Singapore	Associate Consultant and Lead, Preventive Cardiology
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2023	Present	Cardiovascular Epidemiology Unit, Department of Public Health and Primary Care, Cambridge University	
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### Training and Education

#### EDUCATIONAL BACKGROUND

Graduation Year	Qualification	Institute / Country
2021	European Examination in Core Cardiology	European Society of Cardiology
2017	Member of the Royal College of Physicians (MRCP), Internal Medicine	Royal College of Physicians / United Kingdom
2017	Master of Medicine (M. Med), Internal Medicine	National University of Singapore Yong Loo Lin School of Medicine / Singapore

2013	Bachelor of Medicine, Bachelor of Surgery (MBBS)	National University of Singapore (NUS) Yong Loo Lin School of Medicine / Singapore
2007	GCE A Levels- 9 distinctions	Raffles Junior College / Singapore

#### **CAREER PROGRESSION, NATIONAL UNIVERSITY HEALTH SYSTEM SINGAPORE**

From	To	Department / Organisation	Position
2022	Present	Department of Cardiology / National University Health System Department of Medicine / Ng Teng Fong General Hospital, Singapore	Associate Consultant
2018	2021	Department of Cardiology / National University Hospital	Senior Resident
2013	2018	Department of Medicine / National University Hospital (NUH)	Resident

#### **Post Graduate Degrees**

- Masters in medicine, Internal Medicine (Singapore) 2017
- Membership to the Royal College of Physicians (MRCP) UK 2017
- Fellow of the Academy of Medicine Singapore 2022

#### **EAPC/European Society of Cardiology Activities**

- Deputy Editor, EJPC
- Member, Young Community EAPC

#### **Other (Inter)national Committee(s) Participation**

#### **APPOINTMENTS**

From	To	Position / Organisation
2023	Present	Core Committee, Singapore-Novartis Foundation partnership- AI for Healthy Cities
2023	Present	Core Committee, Asia-Pacific Cardiometabolic Consortium
2023	Present	Global Advisor, Asia-Pacific Cardiovascular disease Alliance
2022	Present	Clinical lead, Cardiovascular Metabolic Translational Research Program, National University of Singapore
2022	Present	Lead, Cardiometabolic Disease Prevention, Ng Teng Fong General Hospital and National University Hospital
2021	Present	Lead, Preventive Cardiology, NUHS Health District



## Editorial Boards

- EJPC
- Postgraduate Medical Journal

## Fellowships / Honours

### PRIZES AND AWARDS

Year	Prizes / Awards
2023	Lee Kuan Yew Scholarship, Cambridge University <ul style="list-style-type: none"><li>- Full scholarship for MPhil in PHS, Cambridge University at Fitzwilliam College</li></ul>
2022	NUHS Residency Vaedictorian <ul style="list-style-type: none"><li>- Top resident across all programs amongst &gt;200 graduating residents</li></ul>
2020	NUHS Heroes Education Award <ul style="list-style-type: none"><li>- Awarded for teaching excellence during the COVID pandemic</li></ul>
2018	Residency Excellence Award <ul style="list-style-type: none"><li>- Awarded to top medical residents as assessed by faculty</li></ul>
2014	NUHS TRICE Award Recipient <ul style="list-style-type: none"><li>- Awarded to single doctor who is deemed to best exemplify the values of the hospital</li></ul>
2014	NUHS Best First-year Resident Award <ul style="list-style-type: none"><li>- Awarded to best first year medical resident across the institution</li></ul>
2012	NUSS Gold Medal <ul style="list-style-type: none"><li>- Awarded by NUS Society to honour the best overall graduating medical student</li></ul>
2012	NUS Medical Society: All- Round Excellence Award, YLL School of Medicine <ul style="list-style-type: none"><li>- Awarded by Medical Society to honour the best all-round medical student amongst cohort of &gt;1400 students</li></ul>
2007	Singapore's Top GCSE A-level student with 9 distinctions (Raffles Junior College/Raffles Institution)

## Honorary Memberships

- Member, ACC
- Member, ESC
- Member, EAPC

- Member, APSC

## Major Publications (5-10 most important publications in the field)

### PUBLICATIONS

#### Selected publications

1. **Dalakoti M**, Foo R, the RESET Consortium. Redirecting immune, lipid, and metabolic drivers of early cardiovascular disease: the RESET cohort study and randomized trial. *European Heart Journal*. 2023 Sep 7;ehad543.
2. **Dalakoti, M.**, Leow, M.K.S., Khoo, C.M. *et al.* Platform for the interdisciplinary study of cardiovascular, metabolic and neurovascular diseases (PICMAN) protocol. *Sci Rep* **13**, 20521 (2023). <https://doi.org/10.1038/s41598-023-47407-y>
3. **Dalakoti M**, Foo R. Healthier SG – throwing down the gauntlet for specialists to integrate. *The Lancet Regional Health - Western Pacific*. 2023 Aug;37:100879.
4. Li TYW, Yeo LLL, **M. Dalakoti**, Ho JSY, et al. Association of global cardiac calcification with atrial fibrillation and recurrent stroke in patients with embolic stroke of undetermined source. *Journal of the American Society of Echocardiography*. 2021;34(10):1056-1066.
5. Shen X, Tan BYQ, Sia CH, **Dalakoti M**, et al. Prevalence of Brugada Syndrome in a Large Population of Young Singaporean Men. *Circulation*. 2020;141(2):155-157.
6. Ng CH, Wong ZY, Chew NWS, **Dalakoti M**, et al. Hypertension is prevalent in non-alcoholic fatty liver disease and increases all-cause and cardiovascular mortality. *Front Cardiovasc Med*. 2022 Aug 8;9:942753. doi: 10.3389/fcvm.2022.942753. PMID: 36003916; PMCID: PMC9393330.
7. **M. Dalakoti**, et al. Effect of Surgical Mask Use on Peak Physical Performance During Exercise Treadmill Testing-A Real World Crossover Study. *Frontiers in Physiology*. 2022.
8. Kong G, Zhang A, **Dalakoti M**, et al. Long-Term Prognosis of Patients With Coexisting Obesity and Malnutrition After Acute Myocardial Infarction: A Cohort Study. *Circ Cardiovasc Qual Outcomes*. 2023 Apr;16(4):e009340. doi: 10.1161/CIRCOUTCOMES.122.009340. Epub 2023 Mar 3. PMID: 36866663.
9. Anand VV, Zhe ELC, **Dalakoti M**, et al. Socioeconomic deprivation and prognostic outcomes in acute coronary syndrome: A meta-analysis using multidimensional socioeconomic status indices. *Int J Cardiol*. 2023 Jul 15;383:140-150. doi: 10.1016/j.ijcard.2023.04.042. Epub 2023 Apr 26. PMID: 37116760.
10. O De Filippo, V Cammann, **M Dalakoti**, et al. Machine-learning based prediction of in-hospital death for patients with takotsubo syndrome: the InterTAK-ML model. *European Journal of Heart Failure*. 2023 July 31. doi:10.1002/ejhf.2983

## Major Research Interest(s)

1. Subclinical CVD and determinants of progression, PI of ongoing PICMAN study:

**Dalakoti, M.**, Leow, M.K.S., Khoo, C.M. *et al.* Platform for the interdisciplinary study of cardiovascular, metabolic and neurovascular diseases (PICMAN) protocol. *Sci Rep* **13**, 20521 (2023). <https://doi.org/10.1038/s41598-023-47407-y>

2. Cardiometabolic disease epidemiology
3. Lifestyle interventions for prevention of CVD, co-PI of ongoing RESET study:

**Dalakoti M**, Foo R, the RESET Consortium. Redirecting immune, lipid, and metabolic drivers of early cardiovascular disease: the RESET cohort study and randomized trial. *European Heart Journal*. 2023 Sep 7;ehad543.

## Vision Statement

Despite the best efforts of healthcare professionals, the pandemic of cardiovascular disease rages on. Every second multiple lives are lost globally to this serious disease. Much more must be done at a whole-systems level for changes to be implemented in countries and globally. In Singapore, I lead multiple efforts for CVD prevention in my hospital and healthcare system. As part of this, my team and I have initiated novel digital solutions for the rollout of CVD prevention, created evidence-based educational content and health coaching protocols, and a first-in-world real-time electronic health dashboard to map health and cardiovascular risk across our population. We also have a pipeline for multiple trials of complex interventions targeting the uptake of health behaviours such as diet and exercise. I am also a clinician scientist holding grants worth more than 25 million dollars, and clinical lead of the NUS cardiovascular metabolic translational research program, where I lead international teams working on CVD prevention research.

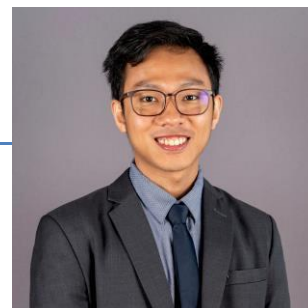
I continue to strive for excellence in my chosen field of cardiovascular disease prevention. I'm currently doing an MPhil in population health at Cambridge University, UK, to hone my skills further and enable me to do more for the people I look after. I was granted a Lew Kuan Yew Cambridge Scholarship in 2023 to fund my education. I hope that through the efforts of inspiring thought leaders, mentors and colleagues, the EAPC and ESC can revolutionize the way in which epidemiology, digital health and AI would be used to implement global initiatives for CVD prevention.

# Candidacy for EAPC 2024-2026 elections

## Curriculum Vitae

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Ko Ko Maung



### **Present Position**

- MD, PhD candidate in cardiometabolic science (internal medicine department, CHUV: Vaud University Hospital)

### **Training and Education**

- M.B, B.S (University of medicine 1, Yangon, Myanmar)
- Level 3 Group Diploma in Management accounting and accounting (London Chamber of Commerce and Industry)

### **Post Graduate Degrees**

- Doctorate in Medicine (University of Lausanne; Ongoing)
- PhD in cardiometabolic science (University of Lausanne; Ongoing)

### **EAPC/European Society of Cardiology Activities**

- Oral presentation (Potentially avoidable hospitalizations for diabetes in Switzerland) (EAPC 2024, Athens, Greece)
- Moderated poster presentation (Potentially avoidable hospitalizations for heart failure in Switzerland, Athens, Greece)
- Moderated poster presentation (Potentially avoidable hospitalizations for hypertension in Switzerland, Athens, Greece)

- Moderated poster presentation (The impact of COVID-19 pandemic on cardiovascular diseases hospitalization, management, and mortality in Switzerland; EAPC 2023, Malaga, Spain)

### **Other (Inter)national Committee(s) Participation**

- Oral presentation (Impact of the COVID-19 pandemic on CVD prevention between different socioeconomic groups in Switzerland) (SSMIG 2023, Basel, Switzerland)
- Poster presentation (Potentially avoidable hospitalizations for diabetes in Switzerland) (SGED/SSED Annual Meeting 2023, Bern, Switzerland)

### **Editorial Boards**

- Reviewer at Open Heart Journal

### **Fellowships / Honours**

- Swiss Government Excellence Scholarship (Research fellowship, Lausanne University)

### **Honorary Memberships**

- General Medical Council (GMC) full registration with licence to Practice (the United Kingdom, GMC reference number: 7764063)
- EAPC Silver Member (ESC ID: 1302757)
- EAPCI Associate (ESC ID: 1302757)

### **Major Publications (5-10 most important publications in the field)**

- Maung KK, Marques-Vidal P; Impact of COVID-19 pandemic on cardiovascular diseases hospitalisation, management and mortality in Switzerland, Open Heart 2023;10:e002259. doi: 10.1136/openhrt-2023-002259
- Maung KK, Marques-Vidal P; Impact of the COVID-19 pandemic on CVD prevention between different socioeconomic groups in Switzerland, Open Heart 2023;10:e002368. doi: 10.1136/openhrt-2023-002368
- Patriota P, Maung KK, Marques-Vidal P; Reported recommendations to address cardiovascular risk factors differ by socio-economic status in Brazil. Results from



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of Preventive Cardiology

the Brazilian National Health Survey 2019, Preventive Medicine Reports, 2023, 102527, ISSN 2211-3355. Doi: 10.1016/j.pmedr.2023.102527.

- Maung KK, Mauron C, Gouveia A, Marques-Vidal P; Trends in Potentially Avoidable Hospitalizations for Diabetes in Switzerland, 1998 to 2018: Data from Multiple Cross-Sectional Studies (submitted; HELIYON-D-24-28543)
- Marques-Vidal P, Maung KK, Gouveia A; Twenty-year trends of potentially avoidable hospitalizations for hypertension in Switzerland (submitted; HTR-2024- 0400)

### **Major Research Interest(s)**

- Cardiovascular epidemiology
- Cardiovascular translation research
- Cardiovascular risk prediction

## Vision Statement

As a candidate for the population Science and Public Health Section nuclei membership, my vision is to advance cardiovascular epidemiology and translation research through innovative approaches and collaborative efforts. Currently, I am a MD, PhD candidate focusing on validation of risk prediction equations and translation research on the development of cardiometabolic risk factors using lipidomics, under the supervision of Professor Pedro Marques-Vidal. With this expertise, I aim to contribute significantly to the activities of the European association of Preventive Cardiology (EAPC).

My primary vision is to enhance collaborative networks both within the EAPC and externally. I plan to build on my existing networks including fellow PhD candidates, medical students, and clinicians to promote cardiovascular epidemiology within Switzerland and Myanmar where there is currently limited participation in the EAPC activities. These efforts align with the EAPC's goals of fostering multidisciplinary research and collaboration. Moreover, as a nucleus member, I will actively represent the interests and voices of researchers and clinicians in lipidomics and cardiovascular epidemiology to EAPC committees, ensuring their perspectives are considered and will advocate for the policies that prioritize cardiovascular health addressing socio-economic determinants.

Ultimately, my goal is to integrate lipidomics research to develop precise prevention strategies that address individual variability in genetics, lifestyle, and environment exposures. Indeed, improved identification of individuals at risk of developing cardiometabolic risk factors, beyond conventional methods, could enable early detection and a crucial opportunity in preventing the development of cardiometabolic diseases ultimately reducing the disease burden and providing opportunities for early interventions.



# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Erik Timmermans



### Present Position

- **2021-current Assistant Professor and Senior Epidemiologist** Department of Global Public Health and Bioethics Julius Center for Health Sciences and Primary Care  
University Medical Center Utrecht, Utrecht, the Netherlands
  - Senior researcher and copromotor in [EXPOSOME-NL](#).  
This consortium focuses on the impact of the exposome on cardiovascular and cardiometabolic health.
  - Supervisory board member, work package leader, and copromotor in [SURREAL](#).  
This Marie Skłodowska-Curie Innovative Training Network focuses on the impact of the exposome on urban health and on socioeconomic/ethnic inequalities in cardiovascular health.
  - Senior researcher in the Heart-Brain Connection consortium ([HBCx](#)) This consortium investigates the relationships between (cardio)vascular factors, the hemodynamic status of the heart and the brain, and cognitive functioning.
  - Work package leader in [PhysAgeNet](#).  
This international EU-COST network focuses on evidence-based research and practice of physical activity in older adults.
  - Research member of the NCD Risk Collaboration ([NCD-RisC](#)).  
This international network focuses on major risk factors of non-communicable diseases in more than 200 countries.



**EAPC**

European Association  
of Preventive Cardiology

- 2017-2021 Postdoctoral researcher  
Department of Epidemiology and Data Science Amsterdam  
UMC, Amsterdam, the Netherlands
- 2016-2017 Postdoctoral researcher  
Department of Public Health  
Academic Medical Center, Amsterdam, the Netherlands
- 2015-2016 Postdoctoral researcher  
Department of Epidemiology and Biostatistics  
VU University medical center, Amsterdam, the Netherlands
- 2014-current Visiting researcher
  - 2024 Department of Epidemiology and Health  
Systems University of Lausanne, Lausanne,  
Switzerland
  - 2018 Department of Global Health and Social Medicine  
King's College London, London, United Kingdom
  - 2014 MRC Lifecourse Epidemiology Unit  
University of Southampton, Southampton, United Kingdom
- 2012-2016 PhD Candidate  
Department of Epidemiology and Biostatistics  
VU University medical center, Amsterdam, the Netherlands

### Training and Education

- 2023-2024 Research Talent Programme for Postdocs and Assistant Professors  
University Medical Center Utrecht, Utrecht, the Netherlands
- 2021 Course on regulations and organisation for clinical investigators  
Registration and certification by the Netherlands Federation of  
University Medical Centres
- 2012-2016 PhD Candidate  
Department of Epidemiology and Biostatistics  
VU University medical center, Amsterdam, the Netherlands
- 2009-2011 Master Human Movement Sciences  
University of Groningen, Groningen, the Netherlands. **Cum Laude.**
- 2006-2009 Bachelor Human Movement Sciences  
University of Groningen, Groningen, the Netherlands

### Post Graduate Degrees

- 2023 Epidemiology Scientific Researcher (Senior Epidemiologist)  
Registration and certification by Foundation for Biomedical  
Scientific Research Training.



**ESC**

European Society  
of Cardiology

## EAPC/European Society of Cardiology Activities

- EAPC Scientific Statement (*in preparation*):  
Bahls M, Kavousi M, Bakker EA, Baurecht H, Eijsvogels TMH, Kränkel N, **Timmermans EJ**, Van Craenenbroeck E, Hanssen H. Measures of physical activity behaviours and physical fitness as markers of healthy ageing and increased health span: EAPC Scientific Statement. *In preparation*.
- EAPC Scientific Statement (*in preparation*):  
Bahls M, Bakker EA, Hanssen H, Lam TM, Løchen ML, Marques-Vidal P, Moholdt T, **Timmermans EJ**, Vaartjes I, Siegrist M. The role of physical activity in an obesogenic environment for cardiovascular risk reduction across the lifespan – an EAPC Scientific Statement. *In preparation*.
- **Timmermans EJ**, Bron EE, Bots ML, Leeuwis AE, Moonen JEF, Wolters FJ, Biessels GJ, Vaartjes I, on behalf of the Heart-Brain Connection consortium. Air pollution in relation to brain health indicators and global cognitive functioning in patients with cardiovascular disorders along the heart-brain axis. ePoster presentation at: *European Congress of Preventive Cardiology, Athens, Greece, 25-27 April, 2024*.

## Other (Inter)national Committee(s) Participation

- 2022-current Chair of the cross-departmental meetings of the Cardiovascular Health research programme. UMC Utrecht, Utrecht, the Netherlands.
- 2022-2023 Organization Committee of the Annual Circulatory Health Meeting. UMC Utrecht, Utrecht, the Netherlands.
- 2019 Coordinator of the Stichting Hofje Codde en Van Beresteyn Gerontology Award at the Amsterdam Center on Aging & Later Life Congress. Amsterdam UMC, Amsterdam, the Netherlands.
- 2018-2021 Chair of the cross-departmental Epidemiology of Aging meetings. Amsterdam UMC, Amsterdam, the Netherlands.
- 2017-2020 Coordinating first author of three scientific reports for The Netherlands Ministry of Health, Welfare and Sports (Directorate of Long-term Care).
- 2017 Chair of the Organization Committee of the symposium “25 years of research in the Longitudinal Aging Study Amsterdam (LASA)”. VU University medical center, Amsterdam, the Netherlands.

- 2016-2019 Organization Committee for two international LASA Advisory Board Meetings. Amsterdam UMC, Amsterdam, the Netherlands.
- 2014-2021 Amsterdam Public Health (APH) Scientific Quality Committee Amsterdam UMC, Amsterdam, the Netherlands.
- 2014-2021 LASA Knowledge Dissemination Committee. VU University medical center, Amsterdam, the Netherlands.
- 2013-2016 Chair of the LASA PhD Committee. VU University medical center, Amsterdam, the Netherlands.

### Editorial Boards

- I have not participated in Editorial Boards. In addition to other journals, I have been reviewer for the following international journals: European Heart Journal, Journal of Epidemiology and Community Health, Environmental Epidemiology, Health & Place, European Journal of Ageing, and Aging, Clinical and Experimental Research.

### Fellowships / Honours

- 2022 Best poster presentation award at the 26<sup>th</sup> Nordic Congress of Gerontology, Odense, Denmark, 8-10 June, 2022. Title of the poster: "A Blue Zone in the Netherlands: personal and environmental characteristics".
- 2020 The Netherlands Organization for Scientific Research. Dutch National Research Agenda – Idea Generator. (€49,954).
- 2020 Amsterdam Public Health research institute. APH Grant - Health Behaviours and Chronic Diseases. (€16,000).
- 2018 The Netherlands Organization for Scientific Research. Investment Grant NWO Medium. (€500,000).
- 2017 Amsterdam Public Health research institute. APH Grant - Mental Health. (€15,000).
- 2016 Amsterdam Public Health research institute. APH Grant – Health Behaviours and Chronic Diseases. (€10,000).
- 2014 EMGO+ Institute. EMGO+ Travel Grant Award. (€2,000).
- 2013 Non-commercial private funder. Research Grant for knowledge dissemination. (€50,000).

## Honorary Memberships

- 2023-current Silver member of the European Association of Preventive Cardiology
- 2018-2021 Member of the Gerontological Society of America
- 2014-2022 Member of the Netherlands Society for Gerontology:  
Knowledge Network Ageing and Society

## Major Publications (5-10 most important publications in the field)

- [1] Liu M, Meijer P, Lam TM, **Timmermans EJ**, Grobbee DE, Beulens JWJ, Vaartjes I, Lakerveld J. The built environment and cardiovascular disease: an umbrella review and meta-meta-analysis. *European Journal of Preventive Cardiology* 2023;30:1801-1827.
- [2] **Timmermans EJ**, Lakerveld J, Beulens JWJ, Boomsma DI, Kramer SE, Oosterman M, Willemsen G, Stam M, Nijpels G, Schuengel C, Smit JH, Brunekreef B, Dekkers JEC, Deeg DJH, Penninx BWJH, Huisman M. Cohort Profile: The Geoscience and Health Cohort Consortium (GECCO) in the Netherlands. *BMJ Open* 2018;8:e021597.
- [3] **Timmermans EJ**, Hoogendijk EO, Broese van Groenou MI, Comijs HC, Van Schoor NM, Thomése FCF, Visser M, Deeg DJH, Huisman M. Trends across 20 years in multiple indicators of functioning among older adults in the Netherlands. *European Journal of Public Health* 2019;29:1096-1102.
- [4] **Timmermans EJ**, Leeuwis AE, Bots ML, Van Alphen JL, Biessels GJ, Brunner-La Rocca H-P, Kappelle JL, Van Rossum AC, Van Osch MJP, Vaartjes I. Neighbourhood walkability in relation to cognitive functioning in patients with disorders along the heart-brain axis. *Health & Place* 2023;79:102956.
- [5] **Timmermans EJ**, Visser M, Wagtendonk AJ, Noordzij JM, Lakerveld J. Associations of changes in neighbourhood walkability with changes in walking activity in older adults: a fixed effects analysis. *BMC Public Health* 2021;21:1323.

- [6] **NCD Risk Factor Collaboration (NCD-RisC)**. (2021). Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population- representative studies with 104 million participants. *The Lancet* 2021;398:957-980.
- [7] **Timmermans, EJ**, Huisman M, Kok AAL, Kunst AE. Smoking cessation and 16-year trajectories of functional limitations among Dutch older adults: results from the Longitudinal Aging Study Amsterdam. *The Journals of Gerontology. Series A: Biological Sciences and Medical Sciences*. 2018;73:1722-1728.
- [8] **Timmermans EJ**, Veldhuizen EM, Snijder MB, Huisman M, Kunst AE. Neighbourhood safety and smoking in population subgroups: The HELIUS study. *Preventive Medicine* 2018;112:111-118.
- [9] **Timmermans EJ**, Reinhard, E, Ruijsbroek A, Huisman M, Avendano M. Regeneration of deprived neighbourhoods and indicators of functioning in older adults: a quasi-experimental evaluation of the Dutch District Approach. *Health & Place* 2020;64:102359.
- [10] Generaal E, **Timmermans EJ**, Dekkers JEC, Smit JH, Penninx BWJH. Not urbanization level but socioeconomic, physical and social neighbourhood characteristics are associated with presence and severity of depressive and anxiety disorders. *Psychological Medicine*. 2019;49:149-161.

### Major Research Interest(s)

- The impact of the exposome on cardiovascular health.
- Epidemiology of aging.



**EAPC**

European Association  
of Preventive Cardiology

## Vision Statement

A promising opportunity to promote a healthy lifestyle and cardiovascular health lies within the residential built environment. The identification of modifiable environmental determinants of cardiovascular health is crucially important to inform policy, sustainable strategies and interventions that aim to prevent people from unhealthy lifestyles and to become ill. People are exposed to multiple environmental factors at the same time, that may interact with each other. My vision to move this promising research field forward, and to obtain a more comprehensive understanding of environmental determinants of cardiovascular health, is to step away from studying built environmental characteristics in isolation, and rather focus on composite built environmental constructs. Furthermore, large-scale longitudinal studies are required to examine the impact of long-term environmental exposures on cardiovascular health. In addition, future studies systematically need to assess the associations of environmental factors with cardiovascular diseases across different subgroups (e.g., in terms of sex, age, ethnicity, socioeconomic position and functional ability) and social and socioeconomic contextual conditions. Moreover, studies are needed to unravel underlying mechanisms. Finally, tools are required to inform (para-)clinical professionals and other stakeholders about the residential environment of patients, and to take the patients' living environment better into account in lifestyle and treatment advices. The exposome is relevant for multiple EAPC sections, and therefore I want to encourage research collaborations across EAPC sections on the exposome and relevant outcome measures.

# **Primary Care and Risk Factor Management**





# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Maria Marketou



### Present Position

- Associate Professor of Cardiology, Faculty of Medicine, University of Crete, Cardiology Department, Heraklion University General Hospital
- Head of Cardiovascular Prevention and Hypertension Outpatient Clinic, Heraklion University General Hospital
- Head of Cardiac Rehabilitation Programme of Heraklion University General Hospital
- Head of Cardiovascular Home Care Programme of Heraklion University General Hospital
- Head of Cardio-Oncology Outpatient Clinic of Heraklion University General Hospital
- Head of the Molecular Cardiology Laboratory, Faculty of Medicine, University of Crete
- Head of Cardiorespiratory Laboratory
- Member of Echocardiography Laboratory
- Author, co-author of over 130 articles in peer-reviewed medical literature (cited pubmed)

## Training and Education

- Internal Medicine (1995-1996), Agios Nikolaos General Hospital, Greece
- Cardiology (1996-1999), Cardiology Department, Heraklion University General Hospital, Greece
- Postgraduate training in the USA, at the Hypertension and Atherosclerosis Section of Boston University Medical School, working under the supervision of Professor Haralambos Gavras. (January 2008 – July 2009)

## Post Graduate Degrees

- Medical Degree, University of Crete (1993)
- Medical Board Certification in Cardiology, Greece (1999)
- Doctoral Dissertation, PhD, University of Crete (2001)
- Hypertension Specialist, European Society of Hypertension (2014)
- EACVI Adult Transthoracic Echocardiography Certification (2021)

## EAPC/European Society of Cardiology Activities

### Currently:

- Member ESC Digital Health Committee (2022 - )
- Member European Exam in Core Cardiology MCQ Writing Group (2019- )
- Member ESC Council of Hypertension
- Abstract reviewer EAPC and ESC Congresses
- Invited to chair, speak or serve as a discussant at numerous EAPC and ESC annual congresses and meetings
- Active abstract submitter and presenter at multiple EAPC and ESC annual congresses

### Current Fellowships/Memberships

- Fellow of the European Society of Cardiology
- Silver Member of EAPC
- Member of EACVI
- Member of HFA

## Other (Inter)national Committee(s) Participation

- Immediate Past-Chair of the Working Group of Hypertension of the Hellenic Society of Cardiology
- Greek National Representative for the ESC Guidelines for Hypertension
- Member of the National Committee for Postgraduate Training in Hypertension, Greek National Board of Health
- Member of the National Scientific Committee for Evaluation of Methodology and Application of Health Quality Indicators in Greece
- Member of the Scientific Committee and Coordinator of the MSc programme, Faculty of Medicine, University of Crete entitled “Exercise and Exercise-Based Rehabilitation in Patients with Cardiovascular Diseases”
- Vice-President of the Organising Committee of the ACC Middle East & Mediterranean Meeting, 2-4 November 2023, Athens, Greece
- Member of the Organising Committee, 31<sup>st</sup> European Meeting on Hypertension and Cardiovascular Protection, Athens, Greece, June 17-20, 2022
- Organising and Scientific Committee Member of numerous local and national medical congresses
- Member of the Hellenic Society of Cardiology
- Member of the Hellenic Hypertension Society
- Member of European Society of Hypertension
- Scientific Journal Reviewer (American Journal of Cardiology, American Journal of Physiology- Heart and Circulatory Physiology, Bioscience Reports, Cardiovascular Diabetology, Cochrane Heart, Circulation: Cardiovascular Imaging, Endocrinology Diabetes and Metabolism Case Reports, Expert Review of Cardiovascular Therapy, Genes, Heart, Hypertension, International Journal of Cardiology, International Journal of Molecular Sciences, Journal of Cardiovascular Translational Research, Journal of Clinical Medicine, Journal of Human Hypertension, Scandinavian Cardiovascular Journal, etc.)
- Reviewer of ACC Annual Congress Abstracts

## Editorial Boards

- Atherosclerosis Plus
- Frontiers in Cardiovascular Medicine

## Major Publications (5-10 most important publications in the field)

- Kallistratos M, Konstantinidis D, Dimitriadis K, Sanidas E, Katsi V, Androulakis E, Vlachopoulos C, Toutouzas K, Kanakakis J, Sideris S, Kafkas N, Mavrogianni AD, Papadopoulos CH, Stefanidis A, Patsourakos N, Kachrimanidis I, Papaioannou N, Tsioufis C, Kochiadakis G, Marketou M. Exercise and cardiac rehabilitation in hypertensive patients with heart failure with preserved ejection fraction: A position statement on behalf of the Working Group of Arterial Hypertension of the Hellenic Society of Cardiology. *Hellenic J Cardiol* 2024 Jan-Feb;75:82-92. doi: 10.1016/j.hjc.2023.08.008.
- Marketou M, et al. Peripheral Blood MicroRNA-21 as a Predictive Biomarker for Heart Failure With Preserved Ejection Fraction in Old Hypertensives. *Am J Hypertens* 2024 Mar 15;37(4):298-305. doi: 10.1093/ajh/hpad109.
- Marketou ME, et al. Visceral fat and cardiometabolic future in children and adolescents: a critical update. *Pediatr Res* 2023 Nov;94(5):1639-1647. doi: 10.1038/s41390-023-02709-9.
- Marketou et al. Differences in MicroRNA Expression in Pericoronary Adipose Tissue in Coronary Artery Disease Compared to Severe Valve Dysfunction. *Angiology* 2023 Jan;74(1):22-30. doi: 10.1177/00033197221121617.
- Angelaki E, Barmparis GD, Kochiadakis G, Maragkoudakis S, Savva E, Kampanieris E, Kassotakis S, Kalomoirakis P, Vardas P, Tsironis GP, Marketou ME. Artificial intelligence-based opportunistic screening for the detection of arterial hypertension through ECG signals. *J Hypertens* 2022 Dec 1;40(12):2494-2501. doi: 10.1097/HJH.0000000000003286.
- Angelaki E, Marketou ME, et al. Detection of abnormal left ventricular geometry in patients without cardiovascular disease through machine learning: An ECG-based approach. *J Clin Hypertens (Greenwich)* 2021 May;23(5):935-945. doi: 10.1111/jch.14200.
- Marketou M et al. Early Left Ventricular Global Longitudinal Strain Deterioration After Aortic Aneurysm Repair: Impact of Aortic Stiffness. *J Endovasc Ther* 2021 Apr;28(2):352-359. doi: 10.1177/1526602820976636. Epub
- Marketou M et al. Salt-induced effects on microvascular function: A critical factor in hypertension mediated organ damage. *J Clin Hypertens (Greenwich)*. 2019 Jun;21(6):749-757
- Marketou M et al. Increased mobilization of mesenchymal stem cells in patients with essential hypertension: the effect of left ventricular hypertrophy. *J Clin Hypertens (Greenwich)*. 2014 Dec;16(12):883

- Marketou M et al. Blockade of platelet alpha2B-adrenergic receptors: a novel antiaggregant mechanism. *Int J Cardiol.* 2013 Oct 3;168(3):2561

### Major Research Interest(s)

I have a strong research interest in the pathophysiology and management of cardiovascular risk factors with a main focus on hypertension. I lead several programs of research in cardiovascular risk factors management and atrial fibrillation in collaboration with primary health care. One of my major research projects evaluates cardiac rehabilitation practices in patients with HFpEF. I also investigate the impact of digital health and AI algorithms in the management of cardiovascular risk factor in patients with cardiovascular diseases.

### Clinical Trials

- Experienced Principal Investigator (PI) and sub-Investigator in several International Clinical Trials mainly in the field of hypertension, digital health and primary health care.
- Principal Investigator in several clinical studies focusing on cardiovascular prevention, hypertension and cardiovascular disease risk factors, health population and digital health.

### EU-Funded Projects

- Senior Investigator in IntelliIoT ('Intelligent, distributed, human-centred & trustworthy IoT environments')
- Principal Investigator in H-PASS ('Health Professionals' and the "DigitAl team" Skills advancement')
- Senior Investigator in the following EU-funded projects in collaboration with the primary health care sector
  - 1) JA TRANSFER OF BEST PRACTICES IN PRIMARY CARE 'JA CIRCE (CoI)
  - 2) ARISTOTELES - Applying ARTificial Intelligence to Define clinical trajectoryES for personalized predicTiOn and early deTEctiOn of comorbidiTy and muLtimorbidiTy pattErnS ()
  - 3) EUVABECO Project - European vaccination beyond COVID. The COVID-19 crisis reshaped global vaccination strategies, leading to the swift development of innovative practices. The EUVABECO project, funded by the EU Commission's EU4Health Programme aims to equip EU Member States with validated



implementation plans for these practices, accommodating diverse contexts to enable cross-border deployment.

### **Supporting-the-Community Projects**

With the Regional Authority of Crete, I have organised and spoken at seminars and events to promote the importance of preventive cardiology at every level of community - from primary and secondary schools to general community and senior citizen events.

Mentoring nurses and encouraging them to grow professionally is a private passion.



**EAPC**

European Association  
of Preventive Cardiology

## Vision Statement

I would like to apply for the position of Nucleus Member in the Primary Care and Risk Factor Management Section Nucleus and make a meaningful contribution to the ongoing work of this nucleus within the framework of the EAPC.

As I develop within the field, it seems imperative that instead of simply managing the disease, we should focus more on managing the patient's overall health. I strongly believe that this particularly section of EAPC can collaboratively focus on meeting the needs of patients within the context of their communities and make constructive progress on further defining and implementing (where possible) the best practices for cardiovascular multidisciplinary primary care heart teams since these clearly impact patient outcomes but also team efficiency. Although multidisciplinary heart teams have evolved and are adapting, the evidence base supporting their effectiveness is limited. Effective prevention of cardiovascular disease and regulation of risk factors can only be done through a trusted multidisciplinary heart team that will approach individuals by identifying and prioritising care goals. A caring and combined approach to individual patient care, considering not only patient's health problems but also his/her cultural preferences and stage of life, is the only way to offer a holistic approach. Risk factor management has been my main interest since the beginning of my medical career. I have closely focused on hypertension in both my clinical practice and my basic research activities. At the same time, however, within the framework of my work in the Cardiovascular Prevention and Hypertension Outpatient Clinic, we work extremely closely with the Primary Care Sector of the Hospital as well as the Family Physicians, creating a collaborative network in cardiovascular disease prevention. In addition, my work in EU-funded projects both in primary care and hospital settings has made me aware of the need for more systematic collaboration, clearer and better communication with doctors and patients alike but also the need to implement best clinical practices. I enjoyed developing and now run the postgraduate programme for cardiac rehabilitation at our Faculty of Medicine, where the public health and behavioral change departments promote better health attitudes and improved strategies to prevent disease. The EAPC is uniquely positioned to make even greater strides in these areas, and I would like to contribute to this effort.

Clearly the increasing use of advanced technologies (artificial intelligence, telemedicine, etc.) has the potential to truly transform the health map and offer health services to people who are disadvantaged either for geographical or socio-economic reasons. Within the community of primary health care, I consider it vital to continuously train general practitioners and health professionals in cardiovascular prevention. It is important to amass supporting evidence if we want to current practice to change. By conducting surveys, we would be able to better define primary care needs and offer primary care doctors ongoing education and training, through position papers, etc. but also even clearer guidelines and process to follow.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Stefano Palermi



### Present Position

- PhD student @University of Naples Federico II, Naples, Italy
- Scientific consultant @Med-Ex, Medicine & Exercise, medical partner Scuderia Ferrari, Roma e Maranello, Italy

### Training and Education

- MD degree @University of Chieti G. D'Annunzio, Chieti, Italy
- Sports Medicine residency @University of Naples Federico II, Naples, Italy

### Post Graduate Degrees

- Sports Medicine residency @University of Naples Federico II, Naples, Italy
- MSc in Sports Cardiology (in progress) @University of Padova, Padova, Italy

### EAPC/European Society of Cardiology Activities

- Silver Member @EAPC
- Author of the article - Hanssen H, Moholdt T, Bahls M, Biffi A, Siegrist M, Lewandowski AJ, Biondi-Zoccai G, Cavarretta E, Kokkvoll A, Løchen ML, Maestrini V, Pinto RS, Palermi S, Thivel D, Wojcik M, Hansen D, Van Craenenbroeck EM, Weghuber D, Kraenkel N, Tiberi M. Lifestyle interventions to change trajectories of obesity-related cardiovascular risk from childhood onset to manifestation in adulthood: a joint scientific statement of the task force for childhood health of the European Association of Preventive Cardiology and the European Childhood Obesity Group. Eur J Prev Cardiol. 2023 Oct 10;30(14):1462-1472. doi: 10.1093/eurjpc/zwad152. PMID: 37491406.



## **Other (Inter)national Committee(s) Participation**

- Member of the Italian Federation of Sports Medicine (FMSI), Italian Society of Sports Cardiology (SIC Sport) and Italian Society of Cardiovascular Prevention (SIPREC)
- Author of Italian Cardiological Guidelines (COCIS) for Competitive Sport Eligibility - 2023

## **Editorial Boards**

- Associate Editor (Sports Medicine section) - Journal of Basic and Clinical Physiology and Pharmacology (ISSN 2191-0286)
- Special Issue Editor - Journal of Clinical Medicine (ISSN 2075-4663)
- Topic Editor - Frontiers in Cardiovascular Medicine (ISSN 2297-055X)
- Associate Editor - Frontiers in Cardiovascular Medicine (ISSN 2297-055X)

## **Fellowships / Honours**

## **Honorary Memberships**

## **Major Publications (5-10 most important publications in the field)**

- Hanssen, H., Moholdt, T., Bahls, M., Biffi, A., Siegrist, M., Lewandowski, A. J., BiondiZoccai, G., Cavarretta, E., Kokkvoll, A., Løchen, M. L., Maestrini, V., Pinto, R. S., Palermi, S., Thivel, D., Wojcik, M., Hansen, D., Van Craenenbroeck, E. M., Weghuber, D., Kraenkel, N., & Tiberi, M. (2023). Lifestyle interventions to change trajectories of obesity-related cardiovascular risk from childhood onset to manifestation in adulthood: a joint scientific statement of the task force for childhood health of the European Association of Preventive Cardiology and the European Childhood Obesity Group. *European journal of preventive cardiology*, zwad152. Advance online publication. <https://doi.org/10.1093/eurjpc/zwad152>
- Palermi S, Vecchiato M, Saglietto A, Niederseer D, Oxborough D, OrtegaMartorell S, Olier I, Castelletti S, Baggish A, Maffessanti F, Biffi A, D'Andrea A, Zorzi A, Cavarretta E, D'Ascenzi F. Unlocking the potential of Artificial Intelligence in Sports Cardiology: does it have a role in evaluating athlete's heart? *Eur J Prev Cardiol*. 2024 Jan 10:zwae008. doi: 10.1093/eurjpc/zwae008. Epub ahead of print. PMID: 38198776.

- Biffi A, Palermi S. The Heart of the Matter: Understanding the Implications of Detraining on Cardiac Health. *Eur J Prev Cardiol.* 2024 Jan 3;zwae002. doi: 10.1093/eurjpc/zwae002. Epub ahead of print. PMID: 38167951
- Palermi, S.; Sperlongano, S.; Mandoli, G.E.; Pastore, M.C.; Lisi, M.; Benfari, G.; Ilardi, F.; Malagoli, A.; Russo, V.; Ciampi, Q.; et al. Exercise Stress Echocardiography in Athletes: Applications, Methodology, and Challenges. *J. Clin. Med.* 2023, 12, 7678. <https://doi.org/10.3390/jcm12247678>
- Vecchiato, M., Quinto, G., Borasio, N., Palermi S, Berton G, Battista F, Gasperetti A, Ermolao A, Neunhaeuserer. The Fragmented QRS Complex in Lead V1: Time for an Update of the Athlete's ECG?. *J. of Cardiovasc. Trans. Res.* (2023). <https://doi.org/10.1007/s12265-023-10448-9>
- Stefano Palermi, Elena Cavarretta, Flavio D'Ascenzi, Silvia Castelletti, Fabrizio Ricci, Marco Vecchiato, Alessandro Serio, Luna Cavigli, Eduardo Bossone, Giuseppe Limongelli, Alessandro Biffi, Emanuele Monda, Andre La Gerche, Aaron Baggish, Antonello D'Andrea. Athlete's Heart: A Cardiovascular Step-By-Step Multimodality Approach. *Rev. Cardiovasc. Med.* 2023, 24(5), 151. <https://doi.org/10.31083/j.rcm2405151>
- Palermi, S.; Vecchiato, M.; Pennella, S.; Marasca, A.; Spinelli, A.; De Luca, M.; De Martino, L.; Fernando, F.; Sirico, F.; Biffi, A. The Impact of the COVID-19 Pandemic on Childhood Obesity and Lifestyle—A Report from Italy. *Pediatr. Rep.* 2022, 14, 410–418. <https://doi.org/10.3390/pediatric14040049>
- Biffi A, Fernando F, Palermi S, Sirico F, Bonatesta L, Cavarretta E, D'Ascenzi F, Niebauer J. Cardiovascular prevention in the worksite: Where are we? *Int J Cardiol.* 2022 Aug 11;S0167-5273(22)01194-9. doi: 10.1016/j.ijcard.2022.08.026. Epub ahead of print. PMID: 35964848
- Vecchiato M, Quinto G, Palermi S, Foccardi G, Mazzucato B, Battista F, Duregon F, Michieletto F, Neunhaeuserer D, Ermolao A. Are Gyms a Feasible Setting for Exercise Training Interventions in Patients with Cardiovascular Risk Factors? An Italian 10-Years Cross-Sectional Survey Comparison. *International Journal of Environmental Research and Public Health.* 2022; 19(4):2407
- Biffi, A., Gallo, G., Fernando, F., Sirico, F., Signorello, M. G., De Martino, L., Manole, G. E., Palermi, S., & Volpe, M. (2021). Relationship Between Cardiorespiratory Fitness, Baseline Blood Pressure and Hypertensive Response to Exercise in the Ferrari Corporate Population. *High blood pressure & cardiovascular prevention : the official journal of the Italian Society of Hypertension*, 10.1007/s40292-021-

### Major Research Interest(s)

- Sports Cardiology
- Cardiovascular prevention
- Pre-participation screening
- Workplace cardiovascular screening
- Occupational Cardiology
- Primary prevention

### Vision Statement

As a candidate for the Primary Care and Risk Factor Management section of the EAPC, my vision is to pioneer a comprehensive approach that bridges the gap between sports cardiology and preventive cardiology (**Occupational Cardiology**).

Given my background in sports medicine and cardiology research, I'd like to develop innovative, evidence-based strategies for cardiovascular disease prevention, focusing on early intervention and risk factor management. I envision fostering multidisciplinary collaborations to advance personalized medicine in cardiovascular care, promoting heart health in various settings, including workplaces and communities, and ensuring equitable access to preventive services worldwide.

This vision is rooted in a commitment to improving cardiovascular health outcomes through education, research, and policy advocacy.

# Candidacy for EAPC 2024-2026 elections

## Curriculum Vitae

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Ilonca Vaartjes



### Present Position

- Associate professor Cardiovascular Epidemiology, Julius Center for Health sciences and Primary Care, University Medical Center Utrecht. The Netherlands

### Training and Education

- BSc Physiotherapy
- MSc Health Sciences
- MSc Clinical Epidemiology

### Post Graduate Degrees

- PhD Medicine

### EAPC/European Society of Cardiology Activities

- Nucleus member population science and public health section (2018-2024)
- Membership committee EAPC (2022-ongoing)
- CPG committee member ESC (2022-ongoing)
- EAPC congress Program Committee (CPC) 2020-2022
- Deputy editor European Journal of Preventive Cardiology (2013-2017)

### Other (Inter)national Committee(s) Participation

- Working group healthy environment Dutch heart Foundation (2024)



- Working group facts and figures Dutch Heart Foundation (2011-ongoing)
- Board member of the commission for registry data consumers of Statistics Netherlands
- World Heart Federation air pollution expert group (2019-2021)
- Working group Abdominal Aortic Aneurysm screening Dutch Health council (2018-2020)

### **Editorial Boards**

- BMC cardiovascular disorders (2010-2020)
- Deputy editor European Journal of Preventive Cardiology (2013-2017)

### **Fellowships / Honours**

- PI:
  - 2024 Grant Dutch Heart Foundation for the project 'Ethnicity and diversity and CVD' (€370K).
  - 2019 Grant Developing World PhD Support Program UMC Utrecht for the project 'The use of real world Heart Failure data'. (€34K).
  - 2018 Grant Dutch Heart Foundation for the project 'Eerder herkennen'. (€325K).
  - 2014 Grant Developing World PhD Support Program UMC Utrecht for the project 'Stroke registry in Malaysia'. (€34K).
  - 2014 Grant Dutch Heart Foundation for the project 'The burden of cardiovascular disease in the Netherlands'. (€300K).
  - 2011 Grant Dutch Heart Foundation for the project 'IMPACT: explaining the decline in CHD Mortality'. (€326K).
- Co-PI:
  - 2023 NWA-ORC 'Ecotip' (€4,2M)
  - 2021 EU ITN Marie Curie 'Systems approach of Urban Environments and Health' (€3,6M)
  - 2020 NWA small projects'Prevention let's do it together (€50K)
  - 2019 NWO replication studies 'Acute myocardial infarction after influenza infection' (140k)
  - 2018 NWO middelgroot 'GECCO' (€500K)
  - 2015 Global Geo Health Data Center, Utrecht University (€2,1M)

## Major Publications (5-10 most important publications in the field)

- van den Brekel L, Lenters V, Mackenbach JD, Hoek G, Wagtendonk A, Lakerveld J, Grobbee DE, Vaartjes I. Ethnic and socioeconomic inequalities in air pollution exposure: a cross-sectional analysis of nationwide individual-level data from the Netherlands. *Lancet Planet Health*. 2024 Jan;8(1):e18-e29. doi: 10.1016/S2542-5196(23)00258-9.
- Liu M, Meijer P, Lam TM, Timmermans EJ, Grobbee DE, Beulens JWJ, Vaartjes I, Lakerveld J. The built environment and cardiovascular disease: an umbrella review and meta-meta-analysis. *Eur J Prev Cardiol*. 2023 Nov 9;30(16):1801-1827. doi: 10.1093/eurjpc/zwad241.
- de Boer AR, de Groot MCH, Groenhof TKJ, van Doorn S, Vaartjes I, Bots ML, Haitjema S. Data mining to retrieve smoking status from electronic health records in general practice. *Eur Heart J Digit Health*. 2022 May 20;3(3):437-444.
- Piepoli MF, Adamo M, Barison A, Bestetti RB, Biegus J, Böhm M, Butler J, Carapetis J, Ceconi C, Chioncel O, Coats A, Crespo-Leiro MG, de Simone G, Drexel H, Emdin M, Farmakis D, Halle M, Heymans S, Jaarsma T, Jankowska E, Lainscak M, Lam CSP, Løchen ML, Lopatin Y, Maggioni A, Matrone B, Metra M, Noonan K, Pina I, Prescott E, Rosano G, Seferovic PM, Sliwa K, Stewart S, Uijl A, Vaartjes I, Vermeulen R, Verschuren WM, Volterrani M, Von Haehling S, Hoes A. Preventing heart failure: a position paper of the Heart Failure Association in collaboration with the European Association of Preventive Cardiology. *Eur J Heart Fail*. 2022. doi: 10.1002/ejhf.2351.
- Ntarladima AM, Karssenber D, Poelman M, Grobbee DE, Lu M, Schmitz O, Strak M, Janssen N, Hoek G, Vaartjes I. Associations between the fast-food environment and diabetes prevalence in the Netherlands: a cross-sectional study. *Lancet Planet Health*. 2022 doi: 10.1016/S2542-5196(21)00298-9.
- de Boer AR, Vaartjes I, Gohar A, Valk MJM, Brugts JJ, Boonman-de Winter LJM, van Riet EE, van Mourik Y, Brunner-La Rocca HP, Linssen GCM, Hoes AW, Bots ML, den Ruijter HM, Rutten FH. Heart failure with preserved, mid-range, and reduced ejection fraction across health care settings: an observational study. *ESC Heart Fail*. 2022 Feb;9(1):363-372. doi: 10.1002/ehf2.13742.
- de Boer AR, Hollander M, van Dis I, Visseren FL, Bots ML, Vaartjes I. Blood pressure and cholesterol measurements in primary care: cross-sectional analyses in a dynamic cohort. *BJGP Open*. 2022 Aug 30;6(2):BJGPO.2021.0131. doi: 0.3399/BJGPO.2021.0131.
- Zhao M, Woodward M, Vaartjes I, Millett ERC, Klipstein-Grobusch K, Hyun K, Carcel C, Peters SAE. Sex Differences in Cardiovascular Medication Prescription in Primary Care: A Systematic Review and Meta-Analysis. *J Am Heart Assoc*. 2020 Jun 2;9(11):e014742. doi: 10.1161/JAHA.119.014742.
- Uijl A, Koudstaal S, Vaartjes I, Boer JMA, Verschuren WMM, van der Schouw YT, Asselbergs FW, Hoes AW, Sluijs I. Risk for Heart Failure: The Opportunity for Prevention With the American Heart Association's Life's Simple 7. *JACC Heart Fail*. 2019 Aug;7(8):637-647. doi: 10.1016/j.jchf.2019.03.009. Epub 2019 Jul 10.
- Associations between the built environment and obesity: an umbrella review. Lam TM, Vaartjes I, Grobbee DE, Karssenber D, Lakerveld J. *Int J Health Geogr*. 2021 Feb 1;20(1):7. doi: 10.1186/s12942-021-00260-6.

## Major Research Interest(s)

- Cardiovascular epidemiology
- Cardiovascular disease prevention
- Cardiovascular health inequalities
- Exposome
- Linkage of registry data

## Vision Statement

Large inequalities in CVD mortality and morbidity exist globally and between subgroups within countries. Migrants, low educated-low income patients, women, elderly, and patients with multi- morbid conditions are at higher risk for CVD. Implementation of preventive strategies and treatments have shown to be more complicated in these groups. To further reduce cardiovascular disease and overcome existing inequalities, we need to better deal with the complexity we are faced with in these disadvantaged groups. Primary care is an extremely important domain within the field of preventive cardiology and further strengthening the collaboration between EAPC members and the primary care and risk factor management section is therefore key. EAPC educational programs can contribute to a better awareness of existing inequalities and members can be trained in system thinking. Strategies capturing both the physiology of an individual but also its social and physical environment should be developed. Ultimately, resulting in interventions combining individual treatment and shaping the individuals environment in such way that risk factor exposure is decreased and healthier life style can be achieved.

# Candidacy for EAPC 2024-2026 elections

## Curriculum Vitae

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Marco Vecchiato



### Present Position

Specialist in Sports and Exercise Medicine  
PhD Candidate in Clinical and Experimental Science  
Sports and Exercise Medicine Division  
Department of Medicine - University of Padova  
Via Giustiniani, 2 - 35128 Padova, (Italy)

### Training and Education

#### Specific clinical experience in the field:

Since 2018: Cardiopulmonary exercise testing and functional evaluation in health and disease developing and providing adapted physical exercise recommendations and programs focusing on heart-kidney-pancreas-liver transplant patients, congenital heart diseases, heart failure ( $\pm$ VAD), peripheral artery disease, obesity, COPD, neoplastic diseases, rare diseases. Cardiovascular and pre-participation screening for competitive and non- competitive athletes. Sports cardiology.

Since 2020: Mountain/wildness medicine and exercise physiology. Musculoskeletal ultrasound. Traumatology and musculoskeletal rehabilitation

#### Additional training:

- 2022: Advanced Cardiac Life Support (ACLS) Provider (University of Padova).
- 13/03/2023: National SIUMB diploma in musculoskeletal ultrasound
- 2021: GIMBE Course - Systematic Reviews and Meta-analysis: Production and Reporting Methodologies
- 2020: FIFA Diploma in Football Medicine

#### Teaching activity at the University of Padova:

- Since 2022: Risk and benefits of exercise in high altitude
- Since 2022: Clinical, functional and nutritional aspects in chronic diseases.
- Since 2021: Mushroom intoxications (Professional Course in Mountain Medicine)
- Since 2022: Cardiovascular risk evaluation for exercise prescription (Exercise Is Medicine FAD Course)



## Post Graduate Degrees

- 2024: MSc in Sports Cardiology (in progress) - University of Padova
- 2022: Professional Course in Clinical Anatomy of the Musculoskeletal System
- 2022: **Specialist in Sports and Exercise Medicine** – University of Padova
- 2020: Professional Course in Aerospace Medicine
- 2017: **Doctor medicinae universae – MD** – University of Padova
- 2011: Bachelor's degree in Biotechnology

## EAPC/European Society of Cardiology Activities

- European Association of Preventive Cardiology (EAPC) Silver Membership.
- EAPC conferences contributions:
  - 2022: Analysis of the overshoot of the respiratory exchange ratio during recovery from maximal exercise testing in patients with heart failure with reduced ejection fraction.
  - 2022: The incidence of cardiac arrhythmias during exercise stress testing among patients with obesity undergoing sleeve gastrectomy.
  - 2023: Respiratory exchange ratio overshoot during exercise recovery: a novel prognostic marker in heart failure.
  - 2024: Mortality risk in bodybuilding: a call for action to promote safe sport participation.
  - 2024: Cardiopulmonary exercise test registry for patients with obesity: comparison of cardiorespiratory fitness prediction equations and generation of a new predictive model for patients with obesity.

## Other (Inter)national Committee(s) Participation

- Collaboration with the global initiative Exercise is Medicine®, American College of Sports Medicine (ACSM)
- Exercise Is Medicine Europe Emerging Leaders Programme (in progress)
- Exercise Is Medicine Italy – Web Area Manager
- Member of the scientific commission of the Professional Course in Mountain Medicine – Italy
- Collaboration with the Institute of Mountain Emergency Medicine of EURAC Research as visiting scientist.

- Member of the American College of Sports Medicine (ACSM)
- Member of the Italian Federation of Sports Medicine (FMSI)
- Member of the Italian Society of Internal Medicine (SIMI)
- Multicenter Erasmus Plus application (2022): “Bridging the gap from clinics to sports for children with congenital heart diseases: The HEART GAMES project”
- Part of the European Union co-funded project DART- Diabetes Augmented Reality Training (in progress).

### **Editorial Boards**

- Guest Editor of the Special Issue "2<sup>nd</sup> Edition of Functional Evaluation and Exercise Prescription in Chronic Diseases" - International Journal of Environmental Research and Public Health (ISSN 1660-4601)
- Guest Editor of Special Issue "The Potential Role of Artificial Intelligence in Sports Cardiology" of the Sports (ISSN 2075-4663)

### **Fellowships / Honours**

- MOVE founder - project for the customization of the outdoor activities, currently being set up as a university spin-off
- 2024: Inventor of a patented algorithm for the customization of information dedicated to hiking
- 2023: Tender Kick-Start Thematic Call for Proposal 'Inclusive and Accessible Sport' from the European Space Agency with the MOVE in SPACE project
- 2022: Finalist of the National Innovation Prize (PNI) 2022 with the MOVE Project
- 2022: Winner of the 5th prize StartCup Veneto 2022 with the MOVE Project
- 2022: Eleonora Cantamessa Scholarships - Honorable Mention 2022
- 2022: Winner of the GiovedìScienza Award - Industry 4.0 2022
- 2017: Supplemental Diploma for the "Pietro d'Abano" Excellence Program (University of Padova)

### Major Publications (5-10 most important publications in the field)

- **Vecchiato M**, Mazzucato B, Battista F, Neunhaeuserer D, Quinto G, Aghi A, Varnier M, Gasperetti A, Di Salvo G, Vida V, Padalino MA, Ermolao A. Serial cardiopulmonary exercise testing in young patients after one-and-half ventricle repair and Fontan procedure: a comparative study. *Eur Heart J Qual Care Clin Outcomes*. 2024 May 23;qcae041. doi: 10.1093/ehjqcco/qcae041. Epub ahead of print. PMID: 38782728.
- **Vecchiato M**, Aghi A, Nerini R, Borasio N, Gasperetti A, Quinto G, Battista F, Bettini S, Di Vincenzo A, Ermolao A, Busetto L, Neunhaeuserer D. Comparison of Cardiorespiratory Fitness Prediction Equations and Generation of New Predictive Model for Patients with Obesity. *Med Sci Sports Exerc*. 2024 May 15. doi: 10.1249/MSS.0000000000003463. Epub ahead of print. PMID: 38768055.
- **Vecchiato M**, Neunhaeuserer D, Zanardo E, Quinto G, Battista F, Aghi A, Palmeri S, Babuin L, Tessari C, Guazzi M, Gasperetti A, Ermolao A. Respiratory exchange ratio overshoot during exercise recovery: a promising prognostic marker in HFrEF. *Clin Res Cardiol*. 2024 Feb 15. doi: 10.1007/s00392-024-02391-9.
- **Vecchiato M**, Quinto G, Borasio N, Palmeri S, Berton G, Battista F, Gasperetti A, Ermolao A, Neunhaeuserer D. The Fragmented QRS Complex in Lead V1: Time for an Update of the Athlete's ECG? *J Cardiovasc Transl Res*. 2024 Feb;17(1):24-32. doi: 10.1007/s12265-023-10448-9. Epub 2023 Oct 31. PMID: 37906369; PMCID: PMC10896913.
- **Vecchiato M**, Quinto G, Palmeri S, Foccardi G, Mazzucato B, Battista F, Duregon F, Michieletto F, Neunhaeuserer D, Ermolao A. Are Gyms a Feasible Setting for Exercise Training Interventions in Patients with Cardiovascular Risk Factors? An Italian 10-Years Cross-Sectional Survey Comparison. *International Journal of Environmental Research and Public Health*. 2022; 19(4):2407
- **Vecchiato M**, Ermolao A, Zanardo E, Battista F, Ruvoletto G, Palmeri S, Quinto G, Degano G, Gasperetti A, Padalino MA, Di Salvo G, Neunhaeuserer D. Overshoot of the Respiratory Exchange Ratio during Recovery from Maximal Exercise Testing in Young Patients with Congenital Heart Disease. *Children (Basel)*. 2023 Mar 7;10(3):521. doi: 10.3390/children10030521. PMID: 36980079; PMCID: PMC10047014.
- **Vecchiato M**, Neunhaeuserer D, Fabris M, Aghi A, Quinto G, Battista F, Palmeri S, Gasperetti A, Ermolao A. The impact of the COVID-19 pandemic on functional capacity in a population of young athletes: should we expect long-time



consequences? *J Sports Med Phys Fitness*. 2023 Jul;63(7):828-834. doi: 10.23736/S0022-4707.22.14468-3. Epub 2023 Mar 16. PMID: 36924469.

- **Vecchiato M**, Zanardo E, Battista F, Quinto G, Bergia C, Palermi S, Duregon F, Ermolao A, Neunhaeuserer D. The Effect of Exercise Training on Irisin Secretion in Patients with Type 2 Diabetes: A Systematic Review. *J Clin Med*. 2022 Dec 21;12(1):62. doi: 10.3390/jcm12010062. PMID: 36614864; PMCID: PMC9821049.
- Palermi S, **Vecchiato M**, Saglietto A, Niederseer D, Oxborough D, Ortega-Martorell S, Olier I, Castelletti S, Baggish A, Maffessanti F, Biffi A, D'Andrea A, Zorzi A, Cavarretta E, D'Ascenzi F. Unlocking the potential of artificial intelligence in sports cardiology: does it have a role in evaluating athlete's heart? *Eur J Prev Cardiol*. 2024 Mar 4;31(4):470-482. doi: 10.1093/eurjpc/zwae008. PMID: 38198776.
- Faggian S, Centanini A, Quinto G, **Vecchiato M**, Ermolao A, Battista F, Neunhaeuserer D. The many faces of exercise intensity: a call to agree on definitions and provide standardized prescriptions. *Eur J Prev Cardiol*. 2024 Jan 25:zwae034. doi: 10.1093/eurjpc/zwae034. Epub ahead of print. PMID: 38271589.

### Major Research Interest(s)

- Physical exercise training in chronic disease
- Cardiovascular prevention
- Effectiveness of different exercise modalities
- Environmental factors
- Sports and Exercise Medicine
- Occupational Cardiology
- Cardiac and pulmonary rehabilitation
- Pre-participation screening
- Sports Cardiology
- Cardiopulmonary exercise testing
- Musculoskeletal research





## Vision Statement

As a candidate for the Primary Care and Risk Factor Management section of the EAPC, my vision is to promote an integrated and multidisciplinary approach to the prevention and management of cardiovascular risk factors, based on scientific evidence and patient-centered care.

My vision for the future includes:

- Innovation and Research: Supporting and developing innovative research to enhance our understanding and ability to manage cardiovascular risk factors. Specifically, I aim to promote the use of new technologies and artificial intelligence to improve diagnostics and prevention strategies. Moreover, new potential interesting topics are occupational cardiology, cardiovascular risk in gender transition and risk assessment for outdoor physical activities.
- Education and Training: Promoting continuous education programs for physicians and healthcare professionals that emphasize the importance of physical activity as vital sign and risk factor management in primary care.
- Collaboration and Networking: Creating a collaborative network among cardiologists, primary care physicians, and other healthcare professionals to share knowledge, best practices, and develop common guidelines.
- Personalized Care: Implementing cardiovascular risk management strategies that are personalized, taking into account individual patient characteristics and their specific needs, including environment.
- Public Health Promotion: Working with communities to develop prevention programs that reduce the incidence of cardiovascular diseases through health promotion, education, and lifestyle changes.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Elio Venturini



### Present Position

- Coordinator of the Cardia Rehabilitation and Preventive Cardiology Units - Azienda U.S.L. NordOvest Toscana - Italy
- Head Unit of Cardiac Rehabilitation Area Sud - Azienda U.S.L. NordOvest Toscana – Ospedale di Cecina (LI) - Italy
- Senior Cardiologist - Department of Cardiology-UCC - Azienda USL NordOvest Toscana) – Ospedale di Cecina (Li) –

### Training and Education

- 1980: Higher School Certificate: Diploma of Classical Studies (57/60).
- 1987: “Laurea cum Laude”, Diploma of Doctor of Medicine, Pisa University (MD thesis in Cardiology).
- 1988: Navy Health School, Livorno, Italy: Navy Official.
- 1990: Postgraduate Diploma in Cardiovascular Disease, University of Pisa, Italy (50/50).
- 1996: Diploma Ultrasound Diagnosis in Angiology. Pisa University.
- 2004: ACLS Diploma . ANMCO. Guidelines ILCOR.
- 2005: Sonographer Certification . Brigham and Women’s Hospital Harvard Medical School.

### Post Graduate Degrees

- 1988-1989: Medical Assistant. Ospedale Marina Militare La Spezia - Italy
- 1991-1993: Senior Cardiologist U.S.S.L. 31 Lovere – Ospedale di Lovere (BG) - Italy.
- 1993-1999: Senior Cardiologist Azienda U.S.L. n 5 Pisa- Ospedale di Volterra- Department of Cardiology-UCC-Cardiac Rehabilitation
- 1999-2022: Senior Cardiologist Azienda USL NordOvest Toscana–Ospedale di Cecina (Livorno) – Department of Cardiology-UCC.
- 2016-2018: Director for Management and Protocols for Outpatient and inpatient in Cardiac Rehabilitation. Azienda USL NordOvest Toscana –Ospedale di Cecina (Li) – Italy.
- 1/2022-8/2023: Acting Director- Departement of Cardiology-UCC- Azienda USL NordOvest Toscana- Ospedale di Cecina (Livorno)
- 9/2023-until now: Senior Cardiologist Azienda USL NordOvest Toscana–Ospedale di Cecina (Livorno) – Department of Cardiology-UCC.

- 2018-until now: Head Unit of Cardiac Rehabilitation Area Sud - Azienda USL NordOvest Toscana- Ospedale di Cecina (Livorno)
- 2/2024 until now: Coordinator Corporate network of Cardiac Rehabilitation and Preventive Cardiology Units of the Azienda USL NordOvest Toscana

### **EAPC/European Society of Cardiology Activities**

- Since 2008: Member of EACP (Silver).
- Since 2015: Grader for ESC and ANMCO ((Italian Association of Hospital Cardiologists) congress.
- Presentation in EACP Congress: “A program of prevention of cardiovascular disease in primary school: results of the first 4 years of activity” Communication at EuroPREvent 2009 - “Short and long term effectiveness of a cardiopulmonary resuscitation (CPR) self instruction program for high-school students” Communication at EuroPREvent 2010 Prague - “Subclinical Hypothyroidism after CABG: the importance of a correct laboratory diagnostic procedure” Communication at EuroPREvent 2011 Geneva - “Cardiovascular prevention at school: can be the parents the second target?” Communication at EuroPREvent 2012 Dublin - Physical activity, Blood Pressure, Heart Rate and Body Mass index in Primary School students” Communication at EuroPREvent 2014 Amsterdam - “Ballroom dancing improves functional capacity in Cardiac Rehabilitation Phase II Outpatient Program” Communication at EuroPREvent 2015 Lisbon - “ Impact of Cardiac Rehabilitation on dietary habits and aerobic exercise after an Acute Coronary Syndrome” Communication at EuroPREvent 2016 Sophia Antipolis, France - “First data of a nurse-outpatient secondary prevention program” Communication at EuroPREvent 2017 Malaga - “Early follow-up after acute coronary syndrome (ACS) treated with percutaneous coronary intervention: effect on medication adherence and knowledge of the disease” Communication at EuroPREvent 2018 Ljubljana - “Listening to music: a way to increase exercise duration without boosting oxygen consumption” Communication at EuroPREvent 2019 Lisbon - “Comparison between the 6-minute walking test (6MWT) and gait speed (GS) during outpatient cardiac rehabilitation” E-poster at ESC Preventive Cardiology 2021 Congress - “Treatment of iron deficiency anemia after cardiac surgery” E-poster at ESC Preventive Cardiology 2022 - “Cost-effectiveness analysis of ferric carboxymaltose versus sucrosomial iron for the treatment of iron deficiency anemia after cardiac surgery” Moderated-poster at ESC Preventive Cardiology 2023, Malaga - “Added value of therapy with sucrosomial iron on top on ferricarboxymaltose for the treatment of iron deficiency anemia after cardiac surgery: preliminary data” Moderated E-Poster at ESC Preventive Cardiology, Athens 2024.
- Lecture: “Cardio-oncology rehabilitation to manage cardiovascular outcomes in cancer patients and survivors” . Cardio-oncology: what does the cardiologist need to know? 17 April 2021. ESC Preventive Cardiology 2021 Congress 15 – 17 April 2021.
- “Clinical cases session 3”. Chairperson. 8 April 2022. ESC Preventive Cardiology 2022 Congress 7 – 9 April 2022.

### **Other (Inter)national Committee(s) Participation**

- 1996-2021: Member of GIVFRC (Gruppo Italiano Valutazione Funzionale e Riabilitazione del Cardiopatico) now AICPR (Associazione Italiana di Cardiologia Clinica, Preventiva e Riabilitativa).
- Since 2014: member of ANMCO (Italian Association of Hospital Cardiologists).

- 2015-2018: Regional Delegate for Tuscany and Umbria GICR-IACPR (Italian Association for Cardiovascular Prevention, Rehabilitation and Epidemiology ) now AICPR
- 2018-2021: Member of the National Executive Council of AICPR.
- 2019-2021: Vice chairman of AICPR.
- Since 2015: Member SIPREreCA (Sociedad Iberoamericana de Prevención y Rehabilitación Cardiovascular).
- Since 2017: Member of the Executive Council of SIPREreCA .
- Since 02/2022 up to now: Member of ITACARE-P (ITalian Alliance for CARDiovascular REhabilitation and Prevention).
- Since 03/2022 up to now: Member of the Scientific Committee of ITACARE-P( ITalian Alliance for CARDiovascular REhabilitation and Prevention).
- 11/2023 up to now Member of the Board of Directors ITACARE-P (ITalian Alliance for CARDiovascular REhabilitation and Prevention).



## Editorial Boards

- Since 2009 International advisory board of Achaiki Iatriki Publication of the Medical Society of Western Greece and Peloponnesus. Editorial team of Journal of Cardiology and Therapy
- Since 2018 Peer-reviewer for REPRISÉ(<https://reprise.cineca.it/en>) the web-based database of expert reviewers created by MIUR (Ministero Italiano Università e Ricerca).
- Since 2009 reviewer for: Vascular Health and Risk Management; Research Reports in Clinical Cardiology; Journal of Anaesthesia and Clinical Research; International Medical Case Reports Journal; The Journal of Teheran University Heart Centre; The International Journal of the Health Sciences Centre of Kuwait University; Journal of Cardiology and Therapy; BioMed Research International; Evidence-Based Complementary and Alternative Medicine; Case Reports in Neurological Medicine; Monaldi Archives; Clinical Medicine & Research; Minerva Cardioangiologica; Cancer; Journal of Clinical Medicine; European Journal of Surgical Oncology; Reviews in Cardiovascular Medicine; Giornale Italiano di Cardiologia; International Journal of Cardiology: Cardiovascular Risk and Prevention; International Journal of Cardiology

## Fellowships / Honours

- 2011: Fellow of European Society of Cardiology.
- 2015: Fellow of ANMCO

## Honorary Memberships

- 2022: certificate of merit Sociedad Cubana de Cardiología - Cuban Society of Cardiology

## Major Publications (5-10 most important publications in the field)

- Ghisi GLM, Alves da Cruz MM, Marques Vanderlei LC, Xia Liu, Zhimin Xu, Jiandani MP, Cuenza L, Kouidi E, Giallauria F, Mohammed J, Lela Maskhulia, Trevizan PF, Batalik L, Pereira DG, Tourkmani N, Burazor I, **Venturini E**, Grudka Lira G, Bennaton Rehfeld M CV, Neves VR, de Jesus Borges G, Kim WS, Cha S, Zhang L, Grace SL "Psychometric validation of the short version of the Information Needs in Cardiac Rehabilitation scale through a first global assessment" European Journal of Preventive Cardiology 2024 <https://doi.org/10.1093/eurjpc/zwae148>
- **Venturini E** "Referral of the heart failure patient from cardiology and internal medicine department: same patients and same rehabilitative approach?" International Journal of Cardiology Cardiovascular Risk and Prevention.2024. <https://doi.org/10.1016/j.ijcrp.2024.200277>
- Bisceglia I, **Venturini E**, Canale ML, Ambrosetti A, Riccio C, Giallauria F, Gallucci G, Maurizio Giuseppe Abrignani, Russo G, Lestuzzi C, Mistrulli R, De Luca G, Turazza F, Mureddu GF, Di Fusco SA, Lucà F, De Luca L, Camerini A, Halasz G, Camilli M, Vincenzo Quagliariello, Maurea N, Fattirolli F, Gulizia MM, Gabrielli D, Grimaldi M, Colivicchi F, Oliva F. "Position paper ANMCO in collaborazione con ITACARE-P: Riabilitazione cardio-oncologica. "Are we ready?" G Ital Cardiol (Rome). 2024 Apr;25(4):281-293. doi: 10.1714/4244.42210.

- Ghisi GLM, Kim WS, Cha S, Aljehani R, Cruz MMA, Vanderlei LCM, Pepera G, Liu X, Xu Z, Maskhulia L, **Venturini E**, Chuang HJ, Pereira DG, Trevizan PF, Kouidi E, Batalik L, Ghanbari Firoozabadi M, Burazor I, Jiandani MP, Zhang L, Tourkmani N, Grace SL. “Women’s Cardiac Rehabilitation Barriers: Results of the International Council of Cardiovascular Prevention and Rehabilitation’s First Global Assessment” *Can J Cardiol*. 2023 Sep 13:S0828-282X(23)01552-0. doi: 10.1016/j.cjca.2023.07.016. Online ahead of print.
- Ambrosetti M, Fattirolli F, Maranta F, Ruzzolini M, Rizzo M, Mureddu GF, Griffo R, **Venturini E**, Giallauria F, Orso F, Pratesi A, Patti A, Perone F. “Management of patients with type 2 diabetes during cardiac prevention and rehabilitation. An expert opinion from the Italian Alliance for Cardiovascular Rehabilitation and Prevention (ITACARE-P)” *G Ital Cardiol (Rome)*. 2023 Oct;24(10):834-843.
- Mureddu GF, Giallauria F, **Venturini E**, Fattirolli F, Ambrosetti M. “Cardiac rehabilitation and secondary prevention programs during the COVID-19 pandemic: what's "COVID on"?” *G Ital Cardiol (Rome)*. 2020 Jul;21(7):527-528. doi: 10.1714/3386.33640.
- M. Ambrosetti, A. Abreu, V. Cornelissen, D. Hansen, M. C. Iliou, H. Kemps, R. F. Enrico Pedretti, H. Voller, M. Wilhelm and M. F. Piepoli. Document reviewers: C. G. Beccaluva, P. Beckers, T. Berger, C.H.Davos, P. Dendale, W. Doehner, I. Frederix, D. Gaita, A. Gevaert, E. Kouidi, N. Kraenkel, J. Laukkanen, F. Maranta, A. Mazza, M. Mendes, D. Neunhaeuserer, J. Niebauer, B. Pavy, C. Pena Gil, B. Rauch, S. Sarzi Braga, M. Simonenko, A. Cohen-Solal, M. Sommaruga, **E. Venturini** and C. Vigorito. “Delphi consensus recommendations on how to provide cardiovascular rehabilitation in the COVID-19 era” *European Journal of Preventive Cardiology* 2020 doi:10.1093/eurjpc/zwaa080.
- **Venturini E**, Iannuzzo G, Di Lorenzo A, Cuomo G, D'Angelo A, Merone P, Cudemo G, Pacileo M, D'Andrea A, Vigorito C, Giallauria F. “Short-term treatment of iron deficiency anemia after cardiac surgery”. *Int J Cardiol Heart Vasc*. 2022 May 2;40:101038. [https://doi: 10.1016/j.ijcha.2022.101038](https://doi.org/10.1016/j.ijcha.2022.101038)
- **Venturini E**, Gilchrist S, Corsi E, Di Lorenzo A, Cuomo G, D'Ambrosio G, Pacileo M, D'Andrea A, Canale ML, Iannuzzo G, Sarullo FM, Vigorito C, Barni S, Giallauria F. “The core components of cardio-oncology rehabilitation”. *Panminerva Med*. 2021 Feb 2. doi: 10.23736/S0031-0808.21.04303-2. Online ahead of print
- Venturini E, Iannuzzo G, D'Andrea A, Pacileo M, Tarantini L, Canale ML, Gentile M, Vitale G, Sarullo FM, Vastarella R, Di Lorenzo A, Testa C, Parlato A, Vigorito C, Giallauria F. “Oncology and Cardiac Rehabilitation: An Underrated Relationship” *J. Clin. Med*. 2020, 9(6), 1810; doi.org/10.3390/jcm9061810

### Major Research Interest(s)

- Primary and Secondary Prevention and risk factor management
- Cardiovascular prevention program in primary and secondary schools.
- Cardiac Rehabilitation in Cardio-oncology.
- Cardiac Rehabilitation programs in developing countries
- Comprehensive Cardiac Rehabilitation.
- Iron deficiency anaemia after cardiac surgery and in CVD.

## Vision Statement

CVD remains the leading cause of illness and mortality despite advances in the treatment of ACS. CVD mortality still remains high in the medium and long term. The main cause is poor secondary prevention. Even primary prevention is neglected by political decision-makers: think of the high prevalence of childhood obesity, the low consumption of fruit and vegetables and the fact that my country, home of the Mediterranean diet, is today at medium CV risk!

The COVID-19 pandemic has shown that prevention is still a cornerstone of modern medicine. The EAPC must exert maximum pressure on European governments to implement the adoption of effective primary and secondary CV prevention by making them homogeneous across the continent; it will be desirable to ensure close collaboration with the main generalist cardiology associations not only in Europe but also in the world, for a common policy aimed at improving the quality of cardiovascular prevention and rehabilitation. Particular attention will be paid to low-income countries experiencing the CVD pandemic, through close educational collaboration.

Finally, it will be essential to create a network between all the figures dedicated to CV prevention (physicians, nurses, physiotherapists, researchers on physical activity, psychologists, dieticians, pharmacists). I have a dream: to reduce the population's risk, and the residual risk after ACS.

## **Secondary Prevention and Rehabilitation Section**

# Candidacy for EAPC 2024-2026 elections

## Curriculum Vitae

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### Jomme Claes



#### Present Position

- Postdoctoral researcher at KU Leuven, Group of Rehabilitation in Internal Disorders
- Physiotherapist cardiac surgery & cardiology at UZ Leuven
- Coach at HARPA vzw (sports club for patients with cardiovascular diseases)
- Coach at AV Toekomst (athletics club in second division)

#### Training and Education

- 2015: Master of Science in Internal Rehabilitation, cum laude (KU Leuven, Belgium)
  - Including internships in France (Hôpital Lariboisière, Paris) and the Netherlands (REVANT, Breda)
- 2013: Bachelor Rehabilitation sciences and physiotherapy (KU Leuven, Belgium)

#### Post Graduate Degrees

- 2019: Doctor in Biomedical Sciences (KU Leuven, Belgium)
  - Including a long research stay abroad at the Lab of Computing, Medical Informatics & Biomedical Imaging Technologies of Aristotle University Thessaloniki, Greece (Applying machine learning to predict adherence patterns to cardiac rehabilitation)

#### EAPC/European Society of Cardiology Activities

- Presenter at EuroPrevent/ESC Preventive Cardiology congress in 2017, 2019, 2020, 2023 & 2024
- Invited speaker at EuroPrevent 2017, Malaga
- Multiple publications in the European Journal of Preventive Cardiology
- EAPC silver member

### Other (Inter)national Committee(s) Participation

- Belgian Working Group of Preventive Cardiology

### Editorial Boards

- /

### Fellowships / Honours

- Competitive Grant from Research Foundation Flanders (FWO) for a long research stay abroad at the Aristotle University of Thessaloniki (Greece), 2018
- Young Investigator Award finalist at the ESC Preventive Cardiology congress, 2020

### Honorary Memberships

- /

### Major Publications (5-10 most important publications in the field)

- **Claes J**, Kuznetsova T, Cauwenberghs N, Cornelissen V. The changing landscape of cardiac rehabilitation and the power of personalized therapy. *Front Cardiovasc Med.* 2024 Apr 18.
- De Wilde C, Bekhuis Y, Kuznetsova T, **Claes J**, Claessen G, Coninx K, Decorte E, De Smedt D, Hansen D, Lannoo M, Van Craenenbroeck EM, Verhaeghe N, Cornelissen VA. Personalized remotely guided preventive exercise therapy for a healthy heart (PRIORITY): protocol for an assessor-blinded, multicenter randomized controlled trial. *Front Cardiovasc Med.* 2023 Jun 29;10.
- Filos D, **Claes J**, Cornelissen V, Kouidi E, Chouvarda I. Predicting Adherence to Home-Based Cardiac Rehabilitation with Data-Driven Methods. *Applied Sciences.* 2023; 13(10)
- **Claes J**, Buys R, Avila A, Cornelis N, Goetschalckx K, Cornelissen V.A. Lifelong changes in physical activity behaviour through phase II cardiac rehabilitation? Still steps to take! *European Journal of Preventive Cardiology* 2020; 28 (7)
- **Claes J**, Cornelissen V, McDermott C, Moyna N, Pattyn N, Cornelis N, Gallagher A, McCormack C, Newton H, Gillain A, Budts W, Goetschalckx K, Woods C, Moran K, Buys R. Feasibility, Acceptability, and Clinical Effectiveness of a Technology- Enabled Cardiac Rehabilitation Platform (Physical Activity Toward Health-I): Randomized Controlled Trial. *J Med Internet Res.* 2020 Feb 4;22(2)

- Avila A, **Claes J (shared first author)**, Buys R, Azzawi M, Vanhees L, Cornelissen V. Home-based exercise with telemonitoring guidance in patients with coronary artery disease: Does it improve long-term physical fitness? *Eur J Prev Cardiol.* 2020 Mar;27(4):367-377.
- **Claes J**, Filos D, Cornelissen V, Chouvarda I. Prediction of the Adherence to a Home-Based Cardiac Rehabilitation Program. *Annu Int Conf IEEE Eng Med Biol Soc*, 2019
- Avila A, **Claes J (shared first author)**, Goetschalckx K, Buys R, Azzawi M, Vanhees L, Cornelissen V. Home-Based Rehabilitation With Telemonitoring Guidance for Patients With Coronary Artery Disease (Short-Term Results of the TRiCH Study): Randomized Controlled Trial. *J Med Internet Res.* 2018 Jun 22;20(6)
- **Claes J**, Buys R, Budts W, Smart N, Cornelissen VA. Longer-term effects of home- based exercise interventions on exercise capacity and physical activity in coronary artery disease patients: A systematic review and meta-analysis. *Eur J Prev Cardiol.* 2017 Feb;24(3):244-256.

### Major Research Interest(s)

- Cardiac rehabilitation (centre-based VS home-based VS hybrid)
- Technology applications in cardiac rehabilitation
- Machine learning approaches to optimize uptake and adherence to cardiac rehabilitation
- Implementation-effectiveness research

## Vision Statement

Since 2019, I hold a scientific position at KU Leuven and a clinical position as a physiotherapist at UZ Leuven (department of cardiology). This dual role has offered me the unique opportunity to identify research questions with real life clinical implications and has exposed me to the challenges inherent in the clinical implementation of scientific findings. Therefore, I advocate strongly for more implementation research and real-world data, since the efficacy of a therapeutic intervention means nothing in the absence of a successful implementation. This has become apparent in the case of cardiac rehabilitation (CR), a widely accepted effective intervention, with low uptake and adherence rates.

I think personalization plays a major role in increasing uptake and adherence rates to CR and I believe this can be acquired by:

- 1) Developing effective alternative CR delivery modes (e.g. home-based, hybrid CR)
- 2) Profiling the patient to assess which CR delivery mode is the most suitable for the individual patient.

My main goal is to create the perfect match between patient and CR program. Ideally, CR is divided into a large pool of building blocks that can be used to build the best possible individual CR intervention, taking into account the profile of the patient. No CR intervention would be the same, but all would be optimally effective and adhered to.

I believe that technological advancements play a crucial role in achieving this goal. I have contributed to the development and successful implementation of commercial devices and applications in home-based and hybrid CR strategies (sports watches, Xbox Kinect cameras, compact ECG monitoring devices,...) and I'm using machine learning approaches to predict adherence and uptake to different forms of CR.

Through the EAPC, I hope to educate health practitioners about the possibilities within CR and to standardize personalization in CR to achieve better uptake, adherence, and health effects. Through collaborative research efforts and using real-world data I hope to facilitate the implementation of personalized CR as much as possible with the use of technological tools and machine learning applications. Thus, creating a smooth transition from research into practice!



# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Francesco Giallauria



### Present Position

- *Associate Professor of Internal Medicine*  
Federico II University of Naples, Naples (Italy)
- *Clinician (MD)* at Division of Internal Medicine (Precision Internal Medicine Unit),  
A.O.U. Federico II, Naples

### Training and Education

- *Assistant Professor* [art. 24, comma 3, lett. b) della Legge n. 240/2010 - SSD 06/B1 - Medicina Interna], Department of Translational Medical Sciences, Federico II University of Naples [2016-2019]
- *Medical Doctor*, Division of Internal Medicine (Precision Internal Medicine and Cardiac Rehabilitation Unit), A.O.U. Federico II, Naples [2016-2023]
- *Adjunct Senior Lecturer* (Level C, Associate Professor), School of Science and Technology, University of New England, Armidale (NSW, Australia) [2011-2023]
- *Clinician leader* for the Italian Work Package 4 of the project entitled "Stimulate Innovation and Management of Polypharmacy and Adherence in THE elderLY" (SIMPATY), funded by the European Union's Health Programme (2014-2020) [2015]
- *Research Fellowship* (MED/09, Internal Medicine) - Cardiac Rehabilitation Unit. Department of Clinical Medicine, Cardiovascular and Immunological Sciences, Federico II University of Naples [2013-2014]
- *Research Fellowship* (MED/09, Internal Medicine) - Cardiac Rehabilitation Unit. Department of Clinical Medicine, Cardiovascular and Immunological Sciences, Federico II University of Naples [2010-2012]
- *Visiting Fellow* at Longitudinal Studies Section (Baltimore Longitudinal Study of Aging, BLSA Unit) - Clinical Research Branch, National Institute on Aging/National Institutes of Health, Medstar Research Institute, NIA-ASTRA Unit at Harbor Hospital, 3001 South Hanover Street, 21225 Baltimore (MD), USA [2009-2010]
- *Post-doctoral Fellowship* at Longitudinal Studies Section (Baltimore Longitudinal Study of Aging, BLSA Unit) - Clinical Research Branch, National Institute on Aging/National Institutes of Health, Medstar Research Institute, NIA-ASTRA Unit at Harbor Hospital, 3001 South Hanover Street, 21225 Baltimore (MD), USA [2008-2009]

- *Visiting Fellow* at Cardiovascular Sciences Unit, National Institute on Aging/National Institutes of Health, Medstar Research Institute, NIA-ASTRA Unit at Harbor Hospital, 3001 South Hanover Street, 21225 Baltimore (MD), USA. [2007]
- *Guest Lecturer* “Clinical Methods and Skills in Medicine” MED 312, Faculty of Medicine, University of Gulu (Uganda)

## Post Graduate Degrees

- *PhD Degree* in Clinical Pathophysiology and Experimental Medicine, Federico II University of Naples [2008]
- *Board in Geriatrics*, Federico II University of Naples [2004]
- *Master (Level 1) in Cardiac Rehabilitation*, Department of Clinical Medicine, Cardiovascular and Immunological Sciences, University of Naples Federico II, Italy [2003]

## EAPC/European Society of Cardiology Activities

- N/A

## Other (Inter)national Committee(s) Participation

- N/A

## Editorial Boards

- Journal of Clinical Medicine (section *Cardiology*)
- Reviews in Cardiovascular Medicine

## Fellowships / Honours

- Honorary Fellow (Internal Medicine, MED/09) at University of Naples Federico II, School of Medicine and Surgery. Via S. Pansini 5, Naples 80131, Italy [2011-2013]
- *Adjunct Senior Lecturer* (Level C, Associate Professor), School of Science and Technology, University of New England, Armidale (NSW, Australia) [2011-2023]

## Honorary Memberships

- ITACARE-P (Italian Alliance for Cardiovascular Rehabilitation and Prevention)
  - Area 1 Member [Clinical research, Editorial Activities, International Relationships] [2022-2023]
  - Member of National Board [2023-2024]
- Italian Society of Cardiology [SIC, Società Italiana di Cardiologia]
  - Member of the Study Group on Cardiovascular Prevention and Rehabilitation [2022]

- Vice-Coordinator of the Study Group on Cardiovascular Prevention and Rehabilitation [2023-2024]
- National Association of Hospital Cardiologists [ANMCO, Associazione Nazionale Medici Cardiologi Ospedalieri]
  - National Consultant for Cardiac Rehabilitation [2019-2020]
  - Fellow ANMCO [2019-to date]

### Major Publications (5-10 most important publications in the field)

- **Giallauria F**, De Lorenzo A, Pilerici F, Manakos A, Lucci R, Psaroudaki M, D'Agostino M, Del Forno D, Vigorito C. Long-Term Effects Of Cardiac Rehabilitation On End-Exercise Heart Rate Recovery After Myocardial Infarction. *Eur J Cardiovasc Prev Rehabil* 2006; 13(4): 544-550.
- **Giallauria F**, De Lorenzo A, Pilerici F, Manakos A, Lucci R, Psaroudaki M, D'Agostino M, Del Forno D, Vigorito C. Reduction of NT-pro-BNP Levels with Exercise-Based Cardiac Rehabilitation in Patients with Left Ventricular Dysfunction after Myocardial Infarction. *Eur J Cardiovasc Prev Rehabil* 2006; 13(4): 625-632.
- **Giallauria F**, Cirillo P, Lucci R, Pacileo M, De Lorenzo A, D'Agostino M, Moschella S, Psaroudaki M, Del Forno D, Orio F, Vitale DF, Chiariello M, Vigorito C. Left ventricular remodelling in patients with moderate systolic dysfunction after myocardial infarction: favourable effects of exercise training and predictive role of N-terminal pro-Brain Natriuretic Peptide. *Eur J Cardiovasc Prev Rehabil* 2008; 15(1): 113-118.
- **Giallauria F**, Cirillo P, Lucci R, Pacileo M, D'Agostino M, Maietta P, Vitelli A, Chiariello M, Vigorito C. Autonomic Dysfunction is associated with High Mobility Group Box-1 Levels in Patients after Acute Myocardial Infarction. *Atherosclerosis* 2010; 208(1):280-284.
- **Giallauria F**, Cirillo P, D'Agostino M, Petrillo G, Vitelli A, Pacileo M, Angri V, Chiariello M, Vigorito C. Effects of Exercise Training on High Mobility Group Box-1 Levels after Acute Myocardial Infarction. *J Cardiac Fail* 2011; 17(2): 108-114.
- Smart NA, Meyer T, Butterfield JA, Faddy SC, Passino C, Malfatto G, Jonsdottir S, Sarullo F, Wisloff U, Vigorito C, **Giallauria F**. Individual patient meta-analysis of exercise training effects on systemic brain natriuretic peptide expression in heart failure. *Eur J Prev Cardiol* 2012; 19(3):428-435.
- **Giallauria F**, Acampa W, Ricci F, Vitelli A, Maresca L, Mancini M, Grieco A, Gallicchio R, Xhoxhi E, Spinelli L, Cuocolo A, Vigorito C. Effects of exercise training started within 2 weeks after acute myocardial infarction on myocardial perfusion and left ventricular function: a gated SPECT imaging study. *Eur J Prev Cardiol* 2012; 19(6):1410-9.
- **Giallauria F**, Cuomo G, Parlato A, Raval NY, Kuschyk J, Stewart Coats AJ. A comprehensive individual patient data meta-analysis of the effects of cardiac contractility modulation on functional capacity and heart failure-related quality of life. *ESC Heart Fail*. 2020; 7: 2922-32.
- **Giallauria F**, Di Lorenzo A, Venturini E, Pacileo M, D'Andrea A, Garofalo U, De Lucia F, Testa C, Cuomo G, Iannuzzo G, Gentile M, Nugara C, Sarullo FM, Marinus N, Hansen D, Vigorito C. Frailty in acute and chronic coronary syndrome patients entering cardiac rehabilitation. *J Clin Med*. 2021; 10(8): 1696.
- **Giallauria F**, Testa C, Cuomo G, Di Lorenzo A, Venturini E, Lauretani F, Maggio MG, Iannuzzo G, Vigorito C. Exercise training in elderly cancer patients: a systematic review. *Cancers* 2023; 15: 1671.

## Major Research Interest(s)

- Cardiovascular Rehabilitation
- Cardiometabolic effects of exercise training
- Heart Failure
- Cardio-oncology Rehabilitation
- Frailty

## Vision Statement

I would like to apply to become a member of the secondary prevention and rehabilitation EAPC nucleus. Up to date, my scientific career and publications have been devoted to secondary prevention in postinfarction and chronic heart failure patients. Secondary prevention and its multifaceted strategies are the core component of Cardiac Rehabilitation intervention. During the last decade, I have also developed a particular interest in exploring secondary prevention strategies in patients with cancer and in designing specific protocols for patients with diabetes and frailty. If elected, I will be committed to support the section and the role that secondary prevention and rehabilitative protocols should play in the management of cardiovascular diseases particularly in elderly patients, in cancer patients and in patients with cardio-nephro-metabolic syndrome. Finally, telecardiology and telerehabilitation, together with the role of artificial intelligence will surely represent exiting challenges as a member of the secondary prevention and rehabilitation EAPC nucleus.

# Candidacy for EAPC 2024-2026 elections

## Curriculum Vitae

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Tim Kambič



### Present Positions

- Assistant Professor of Kinesiology, Faculty of Sport, University of Ljubljana (*1.10.2023 – ongoing*)
- Researcher, Faculty of Sport, University of Ljubljana (*1.10.2023 – ongoing*)
- Statistical Consultant in Health Sciences and Social Sciences, Private sector (*9/2014- ongoing*)

### Training and Education

- **Clinical Research Fellowship**, Department of Research and Education, and Division of Cardiology, Department of Internal Medicine, General Hospital Murska Sobota, Murska Sobota, Slovenia, 1/10/2018 - 30/9/2022 (supervisor: Prof. Mitja Lainščak, MD, PhD, FHFA, FESC; study: [NCT04638764](#))
  - Acquired skills and knowledge:
    - design of clinical trials in exercise-based cardiac rehabilitation (randomised clinical trials and cross-sectional studies) of patients with coronary artery disease and heart failure;
    - *measurement and protocols*: cardiopulmonary exercise test; maximal and submaximal assessments of physical performance (isometric dynamometry, isokinetics, assessments of one repetition maximum); objective assessments of physical activity (accelerometry); quality of life assessments; blood samples management (pipetting of blood samples and storage in freezers), data management and statistical analysis of clinical trials data.



- **Clinical Research Intern**, Department of Vascular Diseases, University Medical Centre Ljubljana, 13/2/2017-15/9/2017 (supervisor: Assoc. Prof. Borut Jug, MD, PhD; study: [NCT03087292](#))
  - Acquired skills and knowledge:
    - design of first randomised controlled trial to study the effects of low-load blood flow restricted resistance training in patients with coronary artery disease;
    - *measurement and protocols:* maximal assessments of physical performance (isometric dynamometry, assessments of one repetition maximum); quality of life assessments; data management and statistical analysis of clinical trials data.
- **Research Intern**, Department of Automation, Biocybernetics and Robotics, Laboratory of Environmental Physiology and Ergonomics, Institute »Jožef Stefan« Ljubljana, Slovenia
  - **XADAPT study** (cross adaptation: The effect of 10 day hypoxia exposure on exercise performance in hot, hypoxia or normoxia; supervisor: Assoc. Prof. Tadej Debevec, PhD and Prof. Igor B. Mekjavić, PhD)
  - Acquired skills and knowledge:
    - Measurements of physiological responses (heart rate, ventilation, oxygenation of vastus lateralis, rectal and skin temperature, sweat response) and blood biomarkers response during exercise in hypoxia (pO<sub>2</sub> at 13%), in the heat (37 °C) or normoxia before and after 10 day exposure in hypoxia (pO<sub>2</sub> 13%)
- **Undergraduate investigator**, project “Through Creative Path to Knowledge” (funded by: Ministry of Education, Science and Sport and European Social Fund), Diagnostics of Physical and Motor Development Laboratory, Faculty of Sport, University of Ljubljana (supervisors: Prof. Gregor Jurak, PhD and Prof. Gregor Starc, PhD)
  - Acquired skills and knowledge:
    - Cross-sectional studies of physical (in)activity and sleep, and associations with cardiorespiratory fitness, obesity and cardiovascular risk factors in children and adolescents
    - *measurement and protocols:* accelerometry data editing and interpretation, statistical analysis, report writing reports and articles

## Post Graduate Degrees

- **Doctorate of Philosophy, study programme in Kinesiology (2018-2023)**, University of Ljubljana, Faculty of Sport, Ljubljana, Slovenia.
  - Title: [The effects of resistance training in patients with coronary artery disease](#) (thesis grade: 10/10, “summa cum laude”, study grade: 9.5/10)
  - Supervisor: Prof. Mitja Lainščak, MD, PhD, FHFA, FESC and Assoc. Prof. Vedran Hadžić, MD, PhD (co-supervisor)
  - ClinicalTrials.gov Identifier: [NCT04638764](#)
- **Master in Kinesiology, specialized in Kinesiotherapy (2015-2018)**, University of Ljubljana, Faculty of Sport, Ljubljana, Slovenia.
  - Title: [Effect of blood flow restricted resistance exercise on vascular function, selected blood parameters, hypertrophy and muscle strength in coronary artery disease patients](#) (thesis grade 10/10; study grade: 9.42/10)
  - Supervisor: Assoc. Prof. Borut Jug, PhD, MD
  - ClinicalTrials.gov Identifier: [NCT03087292](#)

## EAPC/European Society of Cardiology Activities

- 2022 - ongoing: **EAPC Young Ambassador in Slovenia**
- 2021 - ongoing: **Member of Working Group on Cardiovascular Pharmacotherapy**
- 2024: **Moderated poster presentation** during the annual ESC Preventive Cardiology Congress, Athens, Greece:
  - **Kambič, T.,** Hadžić, V., Lainščak, M. (2024). *Predictors of moderate-to-vigorous intensity physical activity prior to enrolment in cardiac rehabilitation*
- 2023: **Moderated poster presentation** during the annual ESC Preventive Cardiology Congress, Malaga, Spain:
  - **Kambič, T.,** Hadžić, V., Lainščak, M. (2023). The efficacy of high-and low- load resistance training in patients with coronary artery disease: a follow-up of a randomised controlled trial. ESC Preventive Cardiology 2023, Malaga, Spain. *European Journal of Preventive Cardiology*, 30 (1), i369. doi: 10.1093/eurjpc/zwad125.277
  - **Kambič, T.,** Božič, M., Jug, B., Hadžić, V., Lainščak, M. (2023). The effects of high-load and low-load resistance training on insulin resistance, lipids and inflammation in coronary artery disease patients. *European journal of preventive cardiology*, 30 (1), i57. doi: 10.1093/eurjpc/zwad125.050.
- 2022: **(Moderated) e-poster presentation** during the annual online ESC Preventive Cardiology Congress:
  - **Kambič, T.,** Hadžić, V., Šarabon, N., Lainščak, M. (2022). Resistance training during cardiac rehabilitation improves physical performance in patients with coronary artery disease: a randomised controlled trial. (e-poster). *European Journal of Preventive Cardiology*, 29 (1), suppl., i343. doi: 10.1093/eurjpc/zwac056.241

- **Kambič, T.,** Hadžić, V., Šarabon, N., Lainščak, M. (2022). The efficacy of high-load resistance training in combination with aerobic training in patients with coronary artery disease: a dose-dependent randomised, controlled clinical trial. (**award for best moderated e-poster in Secondary Prevention and Rehabilitation section**) *European Journal of Preventive Cardiology*, 29 (1), suppl., i342. doi: 10.1093/eurjpc/zwac056.240
- **Kambič, T.,** Šarabon, N., Hadžić, V., Lainščak, M. (2022). Sedentary behaviour and physical activity following multimodal exercise-based cardiac rehabilitation in patients with coronary artery disease. (e-poster) *European Journal of Preventive Cardiology*, 29 (1), suppl., i175. doi: 10.1093/eurjpc/zwac056.121
- **2021: (Moderated) e-poster presentation** during the annual online ESC Preventive Cardiology Congress:
  - **Kambič, T.,** Hadžić, V., Lainščak, M. (2021). Hemodynamic response to high and low load resistance exercise in patients with coronary artery disease: a randomized, crossover, clinical trial. (e-poster) *European Journal of Preventive Cardiology*
  - **Kambič, T.,** Lainščak, M. (2021). Efficacy of cardiac rehabilitation on exercise performance in men and women. (e-poster) *European Journal of Preventive Cardiology*
- **2018: Poster presentation** during the annual online ESC Preventive Cardiology Congress (Europrevent), Ljubljana, Slovenia
  - **Kambič, T.,** Novaković, M., Tomažin, K., Strojnik, V., Jug, B. (2018). Blood flow-Restricted Resistance Exercise in Patients with Coronary Artery Disease Patients: A Pilot Randomized Controlled Study. *European Journal of Preventive Cardiology*. 25 (2 Suppl), 24.

### Other (Inter)national Committee(s) Participation

- 2019- : Founding and Executive Member of Slovenian Professional Association of Kinesiology
- 2015 – 2021: Student Counsellor in Student Council of Faculty of Sport, University of Ljubljana
  - 2015-2021: *Active member in Academic assembly*
  - 2015-2018: *Active member in Student Affairs Board*
  - 2018-2020: *Active member in Doctoral studies and Research Board*

### Editorial Boards

- None.



## Fellowships / Honours

- 4.6.2024: *The award for the best University of Ljubljana`s doctoral thesis, “dr. Ana Mayer Kansky” award*, University of Ljubljana, Ljubljana, Slovenia.
- 29.11.2023: *The award for best scientific contribution in Social Sciences in 2023, “Excellence in Slovenian Science 2023” award*, Slovenian Research and Innovation Agency
  - Article: **Kambič, T.**, Šarabon, N., Hadžić, V., Lainščak, M. (2022). Effects of high-load and low-load resistance training in patients with coronary artery disease: a randomized controlled clinical trial. *European Journal of Preventive Cardiology*,29 (15): e338-e342.
- 23.11.2023: *“Summa cum laude” award for PhD thesis*, Faculty of Sport, University of Ljubljana
- 12.10.2023: **Top 3 Most downloaded articles in September 2022 in the International Journal of Sports Physiology and Performance**
  - Article: Derakhti, M., Bremec, D., **Kambič, T.**, Ten Siethoff, L., & Psilander, N. (2021). Four weeks of power optimized sprint training improves sprint performance in adolescent soccer players. *International Journal of Sports Physiology and Performance*, 17(9), 1343-1351.
- 1.10.2018 -30.9.2022: **Research Fellowship**, Slovenian Research and Innovation Agency
- 5.6.2022: **Paper of the week in the European Journal of Preventive Cardiology**
  - Article: **Kambič, T.**, Šarabon, N., Hadžić, V., Lainščak, M. (2022). Effects of high-load and low-load resistance training in patients with coronary artery disease: a randomized controlled clinical trial. *European Journal of Preventive Cardiology*,29 (15): e338-e342.
- 9.4.2022: **Best moderated ePoster presentation in Secondary Prevention and Rehabilitation**, ESC Preventive Cardiology 2022, European Society of Cardiology
  - **Kambič, T.**, Hadžić, V., Šarabon, N., Lainščak, M. (2022). The efficacy of high-load resistance training in combination with aerobic training in patients with coronary artery disease: a dose-dependent randomised, controlled clinical trial. (award for best moderated e-poster in Secondary Prevention and Rehabilitation section) *European Journal of Preventive Cardiology*, 29 (1), suppl., i342. doi: 10.1093/eurjpc/zwac056.240
- 2015-2018: **Scholarship for talented students with significant academic achievements**, The municipality of Ljubljana
- 2017: **Jože Šturm`s award for student scientific excellence in last academic year**, Faculty of Sport, University of Ljubljana, Slovenia

## Honorary Memberships

- None.

## 10 Major Publications

(36 total peer-reviewed publications)

1. **Kambič, T.,** Hansen, D., Eijsvogels, T.M.H. (2024). Cardiac Rehabilitation — Challenges and Advances. *The New England Journal of Medicine*, 390 (19): 1834- 1835. (IF 2022: 158.5)
2. **Kambič, T.,** Novaković, M., Lainscak, M. (2022). Effect of a Home-Based, Walking Exercise Behavior Change Intervention vs Usual Care on Walking in Adults With Peripheral Artery Disease. *JAMA* 328(6):584. doi:10.1001/jama.2022.9750 (IF 2021: 157.3)
3. **Kambič, T.,** Lavie, C.J., Eijsvogels, T.M.H. (2024). Seeking synergy for novel weight- and glucose-lowering pharmacotherapy and exercise training in heart failure patients with preserved ejection fraction. *European Heart Journal*, 45 (11):861-863. <https://doi.org/10.1093/eurheartj/ehad856> (IF 2022: 39.3)
4. **Kambic, T.** (2023). Effects of low-load and high-load resistance training combined with aerobic training in patients with coronary artery disease: a dose-dependent randomised, controlled trial (PhD Academy Award). *British Journal of Sports Medicine*, 57 (20): 1337-1338. (IF 2022: 18.6)
5. **Kambič, T.,** Šarabon, N., Hadžić, V., Lainščak, M. (2022). Effects of high-load and low-load resistance training in patients with coronary artery disease: a randomized controlled clinical trial. *European Journal of Preventive Cardiology*, 29 (15):e338- e342. <https://doi.org/10.1093/eurjpc/zwac063> (IF 2021: 8.526)
6. **Kambič, T.,** Jug, B., Piepoli, M.F., Lainscak, M. (2023). Is blood flow restriction resistance training the missing piece in cardiac rehabilitation of frail patients? *European Journal of Preventive Cardiology*, 30 (2): 117-122, <https://doi.org/10.1093/eurjpc/zwac048> (IF 2022: 8,3)
7. **Kambič, T.,** Hadžić, V., Lainščak, M. (2022). The effects of different types of resistance training in patients with coronary artery disease (a follow-up of a randomised controlled clinical trial). *European Journal of Internal Medicine*, 109:141-143. (IF: 7.749)
8. **Kambič, T.,** Šarabon, N., Lainščak, M., Hadžić, V. (2022). Combined resistance training with aerobic training improves physical performance in patients with coronary artery disease: a randomised controlled, clinical trial. *Frontiers in Cardiovascular Medicine*, 9:909385 <https://doi.org/10.3389/fcvm.2022.909385> (IF 2021: 5.846)
9. **Kambič, T.,** Šarabon, N., Hadžić, V., Lainščak, M. (2021). Objectively Measured Physical Activity in Patients with Coronary Artery Disease: A Cross-Validation Study. *Biosensors*, 11(9), 318. (IF 2020: 5.519)



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10. **Kambič, T.**, Novaković, M., Tomažin, K., Strojnik, V., Jug. B. (2019). Blood flow Restriction Resistance Exercise Improves Muscle Strength and Hemodynamics, but not Vascular Function in Coronary Artery Disease Patients: A Pilot Randomized Controlled Trial. *Frontiers in Physiology* <https://doi.org/10.3389/fphys.2019.00656> (IF 2017: 3.394)

IF = impact factor of the year of publication

Other publication can be accessed on [Pubmed](#)

### Major Research Interest(s)

- Optimisation of exercise prescription and physical activity in cardiac rehabilitation
- The implementation of novel exercise training modalities in exercise-based cardiac rehabilitation
- Exercise intolerance in cardiovascular disease patients
- The effects of exercise training in cardiac rehabilitation of elderly, females and specific cardiovascular disease populations
- The effects of physical activity counselling and sedentary behaviour change intervention on long term reduction of physical inactivity
- Objectively measured physical activity epidemiology and cardiovascular risk and mortality
- Effects of multidisciplinary prevention approaches for management of obesity in cardiovascular disease patients

### Vision Statement

Dear esteemed EAPC Nominating Committee, other EAPC colleagues and members,

I am writing you to apply for the upcoming election of the EAPC Secondary Prevention and Rehabilitation Section. I am clinical researcher, university lecturer and highly motivated to join the exciting joint research projects, preparation of future position statements and guidelines, and educational material (webinars, congresses and certification courses) in the field of secondary prevention and rehabilitation. I am particularly interested in optimization of exercise-based cardiac rehabilitation with novel exercise training modalities and novel physical activity counselling and behavioral change intervention to improve physical functioning and activity, and quality of life of patients with cardiovascular diseases.



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My research interest is focused on the safety and effects of novel exercise training modalities in cardiac rehabilitation of patients with coronary artery disease and heart failure (chronic and left ventricular assist device patients). Despite being only early career researcher, I have already established large research network within Europe (Charite Medical University Berlin; Radboud University Clinical Centre; Hasselt University; University of Milano, etc.) and America (Ochsner Clinical School, Faculty of Medicine, New Orleans, LA). In my previous research, I have challenged old clinical dogmas about the potentially induced cardiovascular risk associated with resistance training, especially high-load resistance training (HL-RT). I have demonstrated safety and efficacy of HL-RT over traditionally advised aerobic training alone or combined with low-load RT in early phase (<1.5 months post coronary event) of cardiac rehabilitation of patients with coronary artery disease.<sup>1-3</sup> In addition, I also led the research team that demonstrated safety and efficacy of low-load blood flow restricted resistance training in coronary artery disease.<sup>4</sup> Those modalities may have a great clinical application from frail patients (blood flow restricted resistance training) to younger and well-conditioned patients (high-load resistance training) with cardiovascular diseases.<sup>5,6</sup> I have also been previously engaged in validation and selection of exercise measurement protocols, particularly physical activity and performance, as well as precise monitoring of exercise training load in cardiac rehabilitation.<sup>3,7,8</sup> Currently, I am also leading the individual participants data meta-analysis consortium, which will provide novel evidence of the effects of exercise training in patients with left ventricular assist device ([CRD42023480119](#)).

Since there is still huge discrepancy between guidelines and implementation of optimal and individualized exercise training in cardiac rehabilitation,<sup>9,10</sup> I believe that my previous research experiences, knowledge and vision would be of value to the current efforts of the EAPC Secondary Prevention and Rehabilitation Section, which aims to upgrade the current exercise-based programs to optimize care based of individual patients needs. If elected, I would advocate for better implementation of exercise training in cardiac rehabilitation among ESC members, particularly resistance training, which has important effects on aging and sarcopenic populations of older patients with cardiovascular diseases. I would be also very interested in active participating in preparation of position papers and guidelines on exercise-based cardiac rehabilitation to further improve understanding of the beneficial mechanisms and exact progression of different modalities. In my capacity, I would be also interested in promoting better inclusion of females, elderly and specific cardiovascular disease patients (patients with valvular disease; left ventricular assist device, patients with other devices and congenital diseases patients) with further efforts via position statement and practical clinical workshops. I would also aim to provide assistance in preparing national and international registries for patients enrolled in cardiac rehabilitation to gather quality evidence and to standardize exercise training programs among ESC members. Also, I would be interested in active participating in online webinars, practical workshops, and congress section to bridge the gap between research and clinical practice.



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Based on my previous research, clinical experiences, enthusiasm and future plans, I am certain that I can substantially contribute to the exciting vision and projects of the EAPC Secondary Prevention and Rehabilitation Section.

Yours sincerely,

Tim Kambič.

### **References:**

1. Kambic T, Šarabon N, Hadžić V, Lainščak M. Effects of high-load and low-load resistance training in patients with coronary artery disease: a randomized controlled clinical trial. *Eur J Prev Cardiol.* 2022;29(15):e338-e342. doi:10.1093/eurjpc/zwac063
2. Kambic T, Hadžić V, Lainscak M. Hemodynamic Response to High- and Low-Load Resistance Exercise in Patients with Coronary Artery Disease: A Randomized, Crossover Clinical Trial. *Int J Environ Res Public Heal.* 2021;18(8). doi:10.3390/ijerph18083905
3. Kambic T, Šarabon N, Hadžić V, Lainscak M. High-Load and Low-Load Resistance Exercise in Patients with Coronary Artery Disease: Feasibility and Safety of a Randomized Controlled Clinical Trial. *J Clin Med.* 2022;11(13). doi:10.3390/jcm11133567
4. Kambič T, Novaković M, Tomažin K, Strojnik V, Jug B. Blood Flow Restriction Resistance Exercise Improves Muscle Strength and Hemodynamics, but Not Vascular Function in Coronary Artery Disease Patients: A Pilot Randomized Controlled Trial. *Front Physiol.* 2019;10:656. <https://www.frontiersin.org/article/10.3389/fphys.2019.00656>
5. Kambic T, Jug B, Piepoli MF, Lainscak M. Is blood flow restriction resistance training the missing piece in cardiac rehabilitation of frail patients? *Eur J Prev Cardiol.* 2023;30(2):117-122. doi:10.1093/eurjpc/zwac048
6. Kambič T, Hansen D, Eijsvogels TMH. High-load resistance training in cardiac rehabilitation: is it time to debunk old clinical dogmas for a better clinical tomorrow? *Eur J Prev Cardiol.* Published online February 23, 2024:zwae079. doi:10.1093/eurjpc/zwae079
7. Kambic T, Šarabon N, Hadžić V, Lainscak M. Objectively Measured Physical Activity in Patients with Coronary Artery Disease: A Cross-Validation Study. *Biosens.* 2021;11(9). doi:10.3390/bios11090318
8. Kambic T, Šarabon N, Lainscak M, Hadžić V. Combined resistance training with aerobic training improves physical performance in patients with coronary artery disease: A secondary analysis of a randomized controlled clinical trial. *Front Cardiovasc Med.* 2022;9. <https://www.frontiersin.org/articles/10.3389/fcvm.2022.909385>
9. Price KJ, Gordon BA, Bird SR, Benson AC. A review of guidelines for cardiac rehabilitation exercise programmes: Is there an international consensus? *Eur J Prev Cardiol.* 2016;23(16):1715-1733. doi:10.1177/2047487316657669
10. Hansen D, Coninx K, Beckers P, et al. Appropriate exercise prescription in primary and secondary prevention of cardiovascular disease: why this skill remains to be improved among clinicians and healthcare professionals. A call for action from the EXPERT Network†. *Eur J Prev Cardiol.* 2023;30(18):1986-1995. doi:10.1093/eurjpc/zwad232

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Stephan Mueller



### Present Position

- **Research Associate (Exercise Physiologist)** (since 05/2015), University Hospital 'Klinikum rechts der Isar', Technical University of Munich, Department of Preventive Sports Medicine and Sports Cardiology (Head: Prof. Dr. Martin Halle), Munich, Germany
  - Project coordinator of the OptimEx-Clin trial (NCT02078947)
  - Project leader of the LeIKD trial (NCT03835923)
  - Developer and leader of the cardiopulmonary exercise testing corelab
  - Deputy scientific manager

### Training and Education

- **Doctorate** (11/2015 – 07/2023), International Graduate School for Science and Engineering (IGSSE), Technical University of Munich, Munich, Germany  
Thesis: Optimizing Exercise Training in Patients with Heart Failure with Preserved Ejection Fraction: The Effects of Different Exercise Training Modes and Predictors of Change in Peak Oxygen Consumption
- **Stay Abroad** (05/2018 – 08/2018), Stanford University, Department of Medicine, Division of Cardiovascular Medicine (Head: Prof. Dr. Francois Haddad), Stanford, CA, USA & Palo Alto Veteran Administration, Division of Cardiovascular Medicine (Head: Prof. Dr. Jonathan Myers), Palo Alto, CA, USA
- **Sports Science – Movement and Health (M.A.)** (10/2012 – 03/2015), Albert-Ludwigs-Universität Freiburg, Freiburg im Breisgau, Germany  
Thesis: Association between immediate  $\dot{V}O_2$  recovery and conventional parameters of exercise testing

- **Sports Science – Movement-Related Health Promotion and Sports Therapy (B.A.)**  
(10/2008 – 09/2012), University of Freiburg, Germany,  
Thesis: Overloading and Overtraining in Competitive Sports

### Post Graduate Degrees

- Doctor rerum naturalium (Dr. rer. nat)
- Master of Arts (M.A.) – Sports Science

### EAPC/European Society of Cardiology Activities

- 2 Moderated Posters at ESC Preventive Cardiology 2024 in Athens, Greece
- 1 Talk at ESC Congress 2022 in Barcelona, Spain
- 1 Poster at ESC Preventive Cardiology 2022 (online)
- 1 Talk at Heart Failure Congress 2021 (online)
- 1 Poster at ESC Congress 2018 in Munich, Germany
- Peer-Reviewer for European Journal of Preventive Cardiology (5), ESC Heart Failure (9), European Heart Journal - Digital Health (7)

### Other (Inter)national Committee(s) Participation

- Peer-Reviewer for JACC (4), JACC: Heart Failure (5), JACC: Advances (1), BMJ Open (3), Journal of Multidisciplinary Healthcare (1)

### Editorial Boards

- Since 01/2024: Consulting Editor, European Heart Journal - Digital Health
- Since 05/2024: Junior Deputy Editor, European Journal of Preventive Cardiology

### Fellowships / Honours

- 1. Place, Scientific Award of the Kurt- und Erika Palm Foundation 2021 (German Heart Foundation | German Society of Prevention & Rehabilitation)
- 1. Place, Young Investigator Award of the Working Group 32 Sports Cardiology 2021 (German Society of Cardiology)

## Major Publications (5-10 most important publications in the field)

- **Mueller S\***, Winzer E\*, Duvinage A, Gevaert A, Edelmann F, Haller B, Pieske-Kraigher E, Beckers P, Bobenko A, Hommel J, Van de Heyning C, Esefeld K, von Korn P, Christle J, Haykowsky M, Linke A, Wisløff U, Adams V, Pieske B, van Craenenbroeck E, Halle M for the OptimEx-Clin Study Group. Effect of High-Intensity Interval Training, Moderate Continuous Training, or Guideline-Based Physical Activity Advice on Peak Oxygen Consumption in Patients With Heart Failure With Preserved Ejection Fraction: A Randomized Clinical Trial. *JAMA*. 2021;325(6):1-11.
- **Mueller S**, Haller B, Feuerstein A, Winzer EB, Beckers P, Haykowsky MJ, Gevaert AB, Hommel J, Azevedo LF, Duvinage A, Esefeld K, Fegers-Wustrow I, Christle JW, Pieske-Kraigher E, Belyavskiy E, Morris DA, Kropf M, Aravind-Kumar R, Edelmann F, Linke A, Adams V, Van Craenenbroeck EM, Pieske B, Halle M, for the OptimEx-Clin Study Group. Peak O<sub>2</sub>-pulse predicts exercise training-induced changes in peak  $\dot{V}O_2$  in heart failure with preserved ejection fraction. *ESC Heart Fail*. 2022;9(5):3393-406.
- D'Ascenzi F, Cavigli L, Pagliaro A, Focardi M, Valente S, Cameli M, Mandoli GE, **Mueller S**, Dendale P, Piepoli M, Wilhelm M, Halle M, Bonifazi M, Hansen D. Clinician approach to cardiopulmonary exercise testing for exercise prescription in patients at risk of and with cardiovascular disease. *Br J Sports Med*. 2022;56(20):1180-87.
- Gevaert AB, Böhm B, Hartmann H, Goovaerts I, Stoop T, Van De Heyning CM, Beckers PJ, Baldassarri F, **Mueller S**, Oberhoffer R, Duvinage A, Haykowsky MJ, Wisløff U, Adams V, Pieske B, Halle M, Van Craenenbroeck EM. Effect of Training on Vascular Function and Repair in Heart Failure With Preserved Ejection Fraction. *JACC Heart Fail*. 2023 Apr;11(4):454-464.
- Gass F, Halle M, **Mueller S**. Telemedicine acceptance and efficacy in the context of preventive cardiology interventions: A systematic review. *Digit Health*. 2022;8:20552076221114186.
- Winzer EB, Augstein A, Schauer A, **Mueller S**, Fischer-Schaepmann T, Goto K, Hommel J, van Craenenbroeck E, Wisløff U, Pieske B, Halle M, Linke A, Adams V. Impact of Different Training Modalities on Molecular Alterations in Skeletal Muscle of Patients With Heart Failure With Preserved Ejection Fraction: A Substudy of the OptimEx Trial. *Circ Heart Fail*. 2022;15(10):e009124.
- Dinges SM, Krotz J, Gass F, Treitschke J, Fegers-Wustrow I, Geisberger M, Esefeld K, von Korn P, Duvinage A, Edelmann F, Wolfram O, Brandts J, Winzer EB, Wolfarth B, Freigang F, Neubauer S, Nebling T, Hackenberg B, Amelung V, **Mueller S\***, Halle M\*. Cardiovascular risk factors, exercise capacity and health literacy in patients with



chronic ischaemic heart disease and type 2 diabetes mellitus in Germany: Baseline characteristics of the Lifestyle Intervention in Chronic Ischaemic Heart Disease and Type 2 Diabetes study. *Diab Vasc Dis Res.* 2022;19(4):14791641221113781.

- Gevaert AB, Witvrouwen I, Van Craenenbroeck AH, Van Laere SJ, Boen JRA, Van de Heyning CM, Belyavskiy E, **Mueller S**, Winzer E, Duvinage A, Edelmann F, Beckers PJ, Heidbuchel H, Wisløff U, Pieske B, Adams V, Halle M, Van Craenenbroeck EM; OptimEx-Clin Study Group. miR-181c level predicts response to exercise training in patients with heart failure and preserved ejection fraction: an analysis of the OptimEx-Clin trial. *Eur J Prev Cardiol.* 2021;28(15):1722-33
- Halle M, Schoebel C, Winzer EB, Bernhardt P, **Mueller S**, Sieder C, Lecker LSM. A randomized clinical trial on the short-term effects of 12-week sacubitril/valsartan vs. enalapril on peak oxygen consumption in patients with heart failure with reduced ejection fraction: results from the ACTIVITY-HF study, *Eur J Heart Fail.* 2021; 23: 2073-2082.
- **Mueller S**, Baldassarri F, Schönfeld J & Halle M. (2019). Monitoring exercise programmes and improving cardiovascular performance. In Pelliccia A, Heidbuchel H, Corrado D, Börjesson M, Sharma S (Eds.), *The ESC Textbook of Sports Cardiology* (pp. 389-400). Oxford, UK: Oxford University Press.

### Major Research Interest(s)

- Exercise Training
- Cardiopulmonary Exercise Testing
- Heart Failure with Preserved Ejection Fraction
- Telemedicine / Telemonitoring
- Precision Medicine / Inter-Individual Response Variability
- Preventive Cardiology



**EAPC**

European Association  
of Preventive Cardiology

## Vision Statement

My vision for this EAPC candidacy includes:

- 1) to improve the use and understanding of cardiopulmonary exercise testing, as it reflects the whole body's physiology during exercise, making it a very powerful but highly underused testing procedure in cardiology.
- 2) to improve the understanding of inter-individual response variability to and the mediating effects of different treatments, as I strongly believe that this is key to understand why some individuals do not respond (well) to a specific treatment and on the other side helps to find an alternative approach to improve their health.
- 3) to improve the use and the understanding of individualised exercise training prescription in various cardiovascular diseases, including the knowledge about precision medicine and the application of general training principles as well as telemedical devices and behavioural strategies to improve adherence and long-term efficacy.



**ESC**

European Society  
of Cardiology

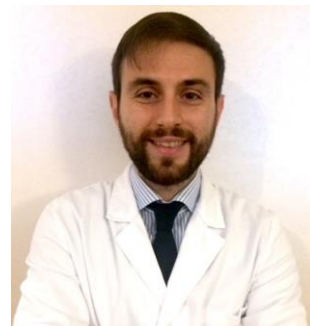
# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Francesco Perone



### Present Position

- Cardiologist and researcher at the Cardiac Rehabilitation Unit, Rehabilitation Clinic “Villa delle Magnolie” – Castel Morrone, Caserta, Italy

### Training and Education

- Specialist in Cardiovascular Diseases, final mark 50/50 cum laude, University of Aquila (L’Aquila, Italy) - January 2015 – February 2019;
- Period of in-depth study of cardiac imaging techniques (transthoracic and stress echocardiography, transesophageal echocardiography, cardiac CT and cardiac MRI) at the “Cardiac Imaging Unit”, “La Paz” University Hospital (Madrid, Spain) - July 2018 – January 2019;
- Degree in Medicine and Surgery, final mark 110/110 cum laude, University of Campania “Luigi Vanvitelli” (Naples, Italy) - 2006 – 2012.

### EAPC/European Society of Cardiology Activities

- 2022-2024: Lead of the EAPC Young Community
- 2019-2024: EAPC Young Italian Ambassador
- 2022- 2024: Board member of the EACVI Web & Communication Committee
- 2022- 2024: Board member of the Transthoracic Echocardiography Sub-Committee of the EACVI Certification & Accreditation Committee

## Other (Inter)national Committee(s) Participation

- 2022 – 2024: Lead of the Italian Alliance for Cardiovascular Rehabilitation and Prevention (ITACARE-P) Young Community
- 2020 – 2024: Board member of the Italian Society for Cardiovascular Prevention (SIPREC) Young Group
- 2022 – 2024: Board member of the Italian Society of Echocardiography and Cardiovascular Imaging (SIECVI) Communication Operating Sector

## Editorial Boards

- European Journal of Preventive Cardiology
- European Heart Journal – Imaging Methods and Practice
- Postgraduate Medical Journal

## Major Publications (5-10 most important publications in the field)

- **Perone F**, Ancona R, di Stasio F, La Gambina V, Comenale Pinto S. Myocardial Work Assessment in Patients after Coronary Artery Bypass Grafting during Cardiac Rehabilitation. *J Clin Med*. 2023 Dec 6;12(24):7540. doi: 10.3390/jcm12247540.
- Di Fusco SA, Arca M, Scicchitano P, Alonzo A, **Perone F**, Gulizia MM, Gabrielli D, Oliva F, Imperoli G, Colivicchi F. Lipoprotein(a): a risk factor for atherosclerosis and an emerging therapeutic target. *Heart*. 2022 Dec 13;109(1):18-25. doi: 10.1136/heartjnl-2021-320708.
- Ambrosetti M, Fattiroli F, Maranta F, Ruzzolini M, Rizzo M, Mureddu GF, Griffo R, Venturini E, Giallauria F, Orso F, Pratesi A, Patti A, **Perone F**. [Management of patients with type 2 diabetes during cardiac prevention and rehabilitation. An expert opinion from the Italian Alliance for Cardiovascular Rehabilitation and Prevention (ITACARE-P)]. *G Ital Cardiol (Rome)*. 2023 Oct;24(10):834-843. Italian. doi: 10.1714/4100.40985.
- **Perone F**, Pingitore A, Conte E, Halasz G, Ambrosetti M, Peruzzi M, Cavarretta E. Obesity and Cardiovascular Risk: Systematic Intervention Is the Key for Prevention. *Healthcare (Basel)*. 2023 Mar 21;11(6):902. doi: 10.3390/healthcare11060902.
- **Perone F**, Bernardi M, Redheuil A, Mafrica D, Conte E, Spadafora L, Ecartot F, Tokgozoglu L, Santos-Gallego CG, Kaiser SE, Fogacci F, Sabouret A, Bhatt DL, Paneni F, Banach M, Santos R, Biondi Zoccai G, Ray KK, Sabouret P. Role of Cardiovascular Imaging in Risk Assessment: Recent Advances, Gaps in Evidence, and Future Directions. *J Clin Med*. 2023 Aug 26;12(17):5563. doi: 10.3390/jcm12175563.
- Cacciatore S, Spadafora L, Bernardi M, Galli M, Betti M, **Perone F**, Nicolaio G, Marzetti E, Martone AM, Landi F, Asher E, Banach M, Hanon O, Biondi-Zoccai G, Sabouret P. Management of Coronary Artery Disease in Older Adults: Recent Advances and Gaps in Evidence. *J Clin Med*. 2023 Aug 11;12(16):5233. doi: 10.3390/jcm12165233.
- Di Fusco SA, Maggioni AP, Bernelli C, **Perone F**, De Marzo V, Conte E, Musella F, Uccello G, De Luca L, Gabrielli D, Gulizia MM, Oliva F, Colivicchi F. Inclisiran: A New Pharmacological

Approach for Hypercholesterolemia. Rev. Cardiovasc. Med. 2022, 23(11), 375.  
<https://doi.org/10.31083/j.rcm2311375>

### Major Research Interest(s)

- Cardiac rehabilitation
- Cardiovascular prevention
- Coronary artery disease
- Valvular heart disease

### Vision Statement

It would be an honor for me to be a new member of the EAPC Secondary Prevention and Rehabilitation Section contributing in a decisive, constant and active way. My vision of action in the Section would be to propose different missions in parallel to promote excellence in this field. First of all, I would like to propose and encourage Research work with the aim of producing scientific articles to support and guide colleagues in clinical practice, standardize cardiac rehabilitation service, promote the multidisciplinary approach, and "how to" manage different clinical scenarios still unexplored in this field. Second, work on Education to implement cardiac rehabilitation programs (centre-based and tele-rehabilitation) and increase referral to rehabilitation units, overcoming the problem in Europe that cardiac rehabilitation units are underused with poor referrals. Third, work in designing and standardizing comprehensive programs and pathways in secondary prevention (as follow-up and treatment) for patients with acquired or congenital cardiovascular diseases or elevated cardiovascular risk. Fourth, create a solid and collaborative network with colleagues from all over the world interested in this field, actively involving them in the activities proposed by the Section. Finally, in my vision, it is essential to involve all types of healthcare professionals in the Section and enhance the importance of the multidisciplinary team, as well as young colleagues and support them in their career development under the guidance of senior experts.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Anne Grete Semb



### Present Position

Director of the Preventive Cardio-Rheuma clinic, Consultant Cardiologist, Senior Researcher

Head CVD and Co-Morbidity Research team  
Division of Research and Rheumatology  
REMEDY Centre

Diakonhjemmet hospital  
NO-0319 Oslo

Norway

ORCID ID: [orcid.org/0000-0003-2730-2853](https://orcid.org/0000-0003-2730-2853)

### Training and Education & Post Graduate Degrees

Year	Faculty/department - University/institution - Country
2002&2005&2021	Evaluated professor competent in clinical cardiology, University of Oslo
2000	Approved specialist in Cardiology
1997	Approved specialist in Internal Medicine
1991	Dr Philos (PhD): Leukocyte induced myocardial injury. University of Northern Norway, Tromsø, Norway
1985	Cand Med (MD) cum laudabilis: Medical Faculty, University of Oslo, Norway

### EAPC/European Society of Cardiology Activities

- Nucleus member of the Primary Care and Risk Factor Management section 2020- 2024
- Member of EAPC Task Force for CVD Risk Factors
- Abstract grader for ESC Preventive Cardiology conference 2021, 2022, 2023
- Member of CPC for ESC Preventive Cardiology conference 2023 and 2024

- Judge and chaired session EAPC Young investigator award for Primary Care and Risk Factor Management 2021, 2023 and 2024
- Second writer on EUROPEAN SCORE MEMOCARD (SCORE2 & SCORE2-OP) CVD risk prediction for better cardiovascular disease (CVD) prevention
- Member of writing group of Sci doc: Implementation of prevention guidelines in primary healthcare. A Scientific Statement of the European Association of Preventive Cardiology of the ESC, the ESC Council for Cardiology Practice, the Association of Cardiovascular Nursing & Allied Professions of the ESC, WONCA Europe and EURIPA- ms in progress pt
- Member of ESC Cardiovascular Pharmacology Working Group since 2018
- Secretary and web coordinator of ESC Cardiovascular Pharmacology Working Group 2020-2022 and secretary 2022-2024
- Director of AACT; All About Clinical trials - an international educational course by ESC Cardiovascular Pharmacology Working Group, in Oslo 2024
- EAPC webinar 2022: - EAPC - How to address residual cardiovascular risk (Identification of cardiovascular risk in inflammatory conditions)
- Participated in several position papers, Scientific documents and reviews as a representative of either EAPC Primary care and risk factor management or ESC Cardiovascular Pharmacology Working Group
- Taskforce member of 3 guideline committees 2022-2026
- Several invited lecture in ESC annual congress and ESC Preventive Cardiology congress as well as chairing several sessions at these congresses yearly

### Other (Inter)national Committee(s) Participation

Year	Project owner – Role - Project
2023-ongoing	PI of the Diet-study- an international RCT comparing short (doctor) vrs. extended (dietician) advice on heart healthy food on change in LDL and diet.
2020-ongoing	Diakonhjemmet Hospital. Semb is the founder and PI of Norwegian Cardio-Rheuma register, including the whole of the Norwegian population >18 years (4.7 mill) Jan 2008-dec 2017, linked to the Norwegian Patient Registry (NPR), the Norwegian Prescription Database (NorPD), the Norwegian Cause of Death registry (NCDR), Statistics Norway and 6 quality registers in the Norwegian Heart register. The aim is to evaluate risk factors effect on CVD outcome in a wide range of rheumatic immunological diseases.

2019-present	Diakonhjemmet Hospital. Semb was the initiative taker and leader of the data centre for the SURF-SLE and APS; Survey of cardiovascular risk factors and management in patients with systemic lupus erythematosus and antiphospholipid syndrome. 24 centres/4 world continents/3401SLE patients are participating. Main ms accepted for publication in Lancet Rheumatology 2024
2014-present	Diakonhjemmet Hospital. Semb was the founder and is the leader/PI of the NOCAR; Norwegian Collaboration of atherosclerosis in patient with rheumatic diseases. The aim is that CVD risk evaluation is being performed in rheumatology outpatient clinics in Norway,13 centres are participating.
2013-2021	Semb was one of the founders in 2013 and the leader 2015-2021 of ATACC-RA; A TransAtlantic Cardiovascular Consortium for patients with RA Collected aprox. 5000 patients with RA and followed prospectively for 5 years with cardiovascular end points including 13 centres/10 countries. Semb expanded this to 18 centres. The aim was to characterize CVD risk factors and outcome in patient with RA and to develop an RA specific CVD risk calculator for Rheumatoid Arthritis patients.
2017-2023	Semb was the initiative taker and PI of the SURF-RA; Survey of cardiovascular risk factors and management in patients with rheumatoid arthritis and invited 53 centres/19 countries/3 world continents. The aim was to characterize and focus on CVD risk factors and CVD prevention in patients with RA.
2010-2015	Diakonhjemmet Hospital. RORA; Rosuvastatin in inflammatory joint disease: A statin - placebo RCT to investigate the effect of high dose statin on carotid artery atherosclerosis.

## Editorial Boards

2016-	Editor of Mediterranean journal of rheumatology
2020-	Editor of European Cardiology Review
2019 & 2023	Editorial task: Editing chapter Chapter 39: Cardiovascular Risk in Inflammatory Rheumatic Disease in Kelly & Firestein's Textbook of Rheumatology, 11 <sup>th</sup> and 12 <sup>th</sup> Edition
2017	Leading Editor of Handbook of Cardiovascular Disease Management in Rheumatoid Arthritis. <a href="http://www.springer.com/gb/book/9783319267807">http://www.springer.com/gb/book/9783319267807</a>
2014-2015	Guest editor of BioMed Research International
2023	Editor of European Heart Journal Cardiovascular Pharmacotherapy



## Fellowships / Honours

2020-present	Secretary of Cardiovascular Pharmacology Working Group of the European Society of Cardiology
2018-present	Nucleus member of European Association of Preventive Cardiology - Primary prevention and risk factor management
2017-present	Steering committee member of the Preventive Cardiology working group in the Norwegian Society of Cardiology
2018-present	FESC: Fellow of European Association of Cardiology
2004-present	European Society of Cardiology
1995-present	Norwegian Society of Cardiology
1985-present	Norwegian Medical Association

## Task Forces

2020	Member of EAPC Task Force for CVD Risk Factors
2010&2016	Member of EULAR Task Force group for Recommendations for cardiovascular prevention in patients with inflammatory joint disease published 2010 and 2016
2020-ongoing	Member of task force committee of the Norwegian Rheumatism Association (patient organization) Norwegian national awareness campaign "Heartcheck" on CVD risk factors for patients with rheumatic diseases
2022-2026	Member of 3 task force groups in ESC to publish ESC Guidelines
<b>Leader of Data Handling centre</b>	
2015-present	For the following registers: NOCAR, ATACC-RA, SURF-RA, SURF-SLE and APS, SURF-PsA and the Norwegian Cardio-Rheuma register
2003-present	Heart Failure Register at Diakonhjemmet Hospital, which is part of a national hospital network including 23 hospitals in Norway

## Track Record

Publications ([PubMed indexed](#)): 146. Google Scholar© [profile](#) 05.06.24: Citations: 10066, H-index 48, i10-index 93.

### Other outputs

Book:1, Book chapters: 9, Recommendations, reviews, opinion papers, editorials: 11  
Popular science: 21, podcasts: 3  
Several interviews and articles in patient-oriented magazines, interviews in daily press, radio and TV

## Major Publications (10 most important publications in the field)

1. [Lipids, myocardial infarction and ischaemic stroke in patients with rheumatoid arthritis in the Apolipoprotein-related Mortality RISK \(AMORIS\) Study.](#)  
Semb AG, Kvien TK, Aastveit AH, Jungner I, Pedersen TR, Walldius G, Holme I. *Ann Rheum Dis.* 2010 Nov;69(11):1996-2001. doi: 10.1136/ard.2009.126128. Epub 2010 Jun 15. PMID: 20551156
2. [Effect of intensive lipid-lowering therapy on cardiovascular outcome in patients with and those without inflammatory joint disease.](#)  
Semb AG, Kvien TK, DeMicco DA, Fayyad R, Wun CC, LaRosa JC, Betteridge J, Pedersen TR, Holme I. *Arthritis Rheum.* 2012 Sep;64(9):2836-46. doi: 10.1002/art.34524. PMID: 22576673 *Clinical Trial*
3. [An international audit of the management of dyslipidaemia and hypertension in patients with rheumatoid arthritis: results from 19 countries.](#) Rollefstad S, Ikdahl E, Wibetoe G, Sexton J, Crowson CS, van Riel P, Kitas GD, Graham I, Dahlqvist SR, Karpouzas G, Myasoedova E, Gonzalez-Gay MA, Sfikakis PP, Tektonidou MG, Lazarini A, Vassilopoulos D, Kuriya B, Hitchon CA, Stoenoiu MS, Durez P, Pascual-Ramos V, Galarza- Delgado DA, Faggiano P, Misra DP, Borg A, Mu R, Mirrakhimov EM, Ghetta D, Myasoedova S, Krougly L, Popkova T, Tuchyňová A, Tomcik M, Vrablik M, Lastuvka J, Horák P, Medková H, Semb AG. *Eur Heart J Cardiovasc Pharmacother.* 2022 Sep 3;8(6):539-548. doi: 10.1093/ehjcvp/pvab052. PMID: 34232315
4. [Non-steroidal anti-inflammatory drugs and risk of pulmonary embolism in patients with inflammatory joint disease-results from the nationwide Norwegian Cardio-rheuma registry.](#) Ikdahl E, Rollefstad S, Kazemi A, Provan SA, Larsen TL, Semb AG. *Eur Heart J Cardiovasc Pharmacother.* 2024 Jan 5;10(1):27-34. doi: 10.1093/ehjcvp/pvad078. PMID: 37881093
5. [Smoking cessation is associated with lower disease activity and predicts cardiovascular risk reduction in rheumatoid arthritis patients.](#) Roelsgaard IK, Ikdahl E, Rollefstad S, Wibetoe G, Esbensen BA, Kitas GD, van Riel P, Gabriel S, Kvien TK, Douglas K, Wällberg- Jonsson S, Rantapää Dahlqvist S, Karpouzas G, Dessein PH, Tsang L, El-Gabalawy H, Hitchon CA, Pascual-Ramos V, Contreras-Yáñez I, Sfikakis PP, González-Gay MA, Crowson CS, Semb AG. *Rheumatology (Oxford).* 2020 Aug 1;59(8):1997-2004. doi: 0.1093/rheumatology/kez557. PMID: 31782789
6. [Impact of risk factors associated with cardiovascular outcomes in patients with rheumatoid arthritis.](#)  
Crowson CS, Rollefstad S, Ikdahl E, Kitas GD, van Riel PLCM, Gabriel SE, Matteson EL, Kvien TK, Douglas K, Sandoo A, Arts E, Wällberg-Jonsson S, Innala L, Karpouzas G, Dessein



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PH, Tsang L, El-Gabalawy H, Hitchon C, Ramos VP, Yáñez IC, Sfrikakis PP, Zampeli E, Gonzalez-Gay MA, Corrales A, Laar MV, Vonkeman HE, Meek I, Semb AG; A Trans-Atlantic Cardiovascular Consortium for Rheumatoid Arthritis (ATACC-RA). *Ann Rheum Dis.* 2018 Jan;77(1):48-54. doi: 10.1136/annrheumdis-2017-211735. Epub 2017 Sep 6. PMID: 28877868

7. [Feasibility of cardiovascular disease risk assessments in rheumatology outpatient clinics: experiences from the nationwide NOCAR project.](#) Ikdahl E, Rollefstad S, Wibetoe G, Salberg A, Krøll F, Bergsmark K, Kvien TK, Olsen IC, Soldal DM, Bakland G, Lexberg Å, Gjesdal CG, Gulseth C, Haugeberg G, Semb AG. *RMD Open.* 2018 Oct 1;4(2):e000737. doi: 10.1136/rmdopen-2018-000737. eCollection 2018. PMID: 30305931

8. [EULAR recommendations for cardiovascular disease risk management in patients with rheumatoid arthritis and other forms of inflammatory joint disorders: 2015/2016 update.](#) Agca R, Heslinga SC, Rollefstad S, Heslinga M, McInnes IB, Peters MJ, Kvien TK, Dougados M, Radner H, Atzeni F, Primdahl J, Södergren A, Wallberg Jonsson S, van Rompay J, Zabalán C, Pedersen TR, Jacobsson L, de Vlam K, Gonzalez-Gay MA, Semb AG, Kitis GD, Smulders YM, Szekanecz Z, Sattar N, Symmons DP, Nurmohamed MT. *Ann Rheum Dis.* 2017 Jan;76(1):17-28. doi: 10.1136/annrheumdis-2016-209775. Epub 2016 Oct 3. PMID: 27697765 Review

9. [All-cause and cause-specific mortality in rheumatoid arthritis, psoriatic arthritis and axial spondyloarthritis: a nationwide registry study.](#) Kerola AM, Kazemi A, Rollefstad S, Lillegraven S, Sexton J, Wibetoe G, Haavardsholm EA, Kvien TK, Semb AG. *Rheumatology (Oxford).* 2022 Nov 28;61(12):4656-4666. doi: 10.1093/rheumatology/keac210. PMID: 35377442

10. [Atherosclerotic cardiovascular disease prevention in rheumatoid arthritis.](#) Semb AG, Ikdahl E, Wibetoe G, Crowson C, Rollefstad S. *Nat Rev Rheumatol.* 2020 Jul;16(7):361-379. doi: 10.1038/s41584-020-0428-y. Epub 2020 Jun 3. PMID: 32494054 Review.

### Major Research Interest(s)

- CVD Prevention
- CVD risk factor control and attainment of guideline recommend goals
- Lipids
- Heart healthy foods and diet
- Smoking cessation
- Physical activity – High Intensity Training (HIIT) and CVD risk



**ESC**

European Society  
of Cardiology



**EAPC**

European Association  
of Preventive Cardiology

I have been a member of the Primary Care and Risk Factor Management nucleus in EAPC 2020- 2024 ESC. I am hereby applying for a membership of Secondary Prevention nucleus.

I have been deeply involved in the EAPC programme and I have found the aim and work of the EAPC important and rewarding in relation to the major aim of the ESC; To reduce the burden of cardiovascular disease. This aim also falls in line with my major interest and work

I founded a Preventive Cardio-Rheuma clinic inside the Division of Rheumatology and research, Center for treatment of Rheumatic and Musculoskeletal Diseases (REMEDY), Diakonhjemmet hospital in 2008. It has been known for decades that patient with rheumatic diseases has increased risk of CVD. Despite this, this high risk patient group has received little attention in the medical society. We have newly published data from a Norwegian nationwide register that between 2008- 2018 patients with rheumatoid arthritis and ankylosing spondylitis still have more than 40% increased risk of cardiovascular mortality compared to the general population. There is thus a high unmet need for improving CVP prevention for patients with inflammatory joint diseases and this is one of my main aims, which falls in line with both the EAPC's and the Secondary prevention nucleus mission. A membership of this nucleus may facilitate my pursuit.

The goal attainment of recommended lipid levels is poor in the general population and also in other high risk patient groups as patients with rheumatic diseases in European countries. There might be several reasons for this related to patient factors as compliance but also due to doctors' treatment inertia. Improvements through awareness campaigns on patient but also on health personnel levels but also structured rehabilitation programs are needed. With my expertise in this field I believe I can contribute to further development and progress in gaining recommended traditional risk factor levels.

In the Preventive Cardio-Rheuma clinic I have standardized procedures for advice and follow up on change to a more heart friendly diet, exercise and smoking cessation in patients with inflammatory joint diseases. We also have a several publications on these behavioral risk factors, which also are in need of being better addressed in the general population. I have already been involved in strategies related to enhancement of healthy lifestyles (by dietary counselling, exercise prescription/training and physical activity) and I believe that my experience in this field can be useful for further development of programs for healthy lifestyle in the general population.

A last notion is that I have been working to get this high-risk patient group with inflammatory joint diseases more in focus within our professional environment for 15 years, but it is going very slowly. In addition, I think that in the same way as Cardio-Oncology that perhaps Cardio-Rheumatology should become a specialty. This might be a vision to pursue in the Secondary Prevention nucleus.

My professional work has been through diverse medical specialties – cardiology, rheumatology, and allied professionals as cardiovascular nurses and physiotherapy and of course patient organization and representatives. I also have a large international research network.

Overall, I believe that I can contribute to the main aim of the Secondary Prevention nucleus mission and main aims and are therefore applying for a membership.

Kind regards Anne Grete Semb

# Candidacy for EAPC 2024-2026 elections

## Curriculum Vitae

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### Marjolein Snaterse-Zuidam



#### Present Position

- **2022- current** Senior researcher, Heart Center Amsterdam University Medical Center, Amsterdam, the Netherlands
- **2023 - current** Principal Nurse Educator, Amsterdam University of Applied Sciences & Amsterdam UMC, the Netherlands
- **2015 -current** Supervisor of eight master and three PhD students

#### Training and Education

- **2013- current** Several courses on skills and knowledge (biostatistics, writing Grant proposals, presenting, cardiology webinars and congresses)
- **2012-2013** Tutor in master's programme Evidence Based Practice and Healthcare, University of Amsterdam, Amsterdam, the Netherlands
- **2008** MSc in Epidemiology, University of Amsterdam, Amsterdam, the Netherlands
- **2004** 1<sup>st</sup> Degree teacher qualification in Higher Education, Vrije Universiteit Amsterdam, the Netherlands
- **1999** Intensive Care Nursing, Amsterdam, the Netherlands
- **1994** Nursing degree (BSc), Leiden, the Netherlands

## Post Graduate Degrees

- **2018** PhD. University of Amsterdam, Amsterdam, the Netherlands [Rethinking management of risk factors in secondary prevention of cardiovascular disease \(uva.nl\)](#)

## EAPC/European Society of Cardiology Activities

- **2024-2025** EUROASPIRE-VI Investigator Amsterdam UMC, the Netherlands
- **2024** Preventive Cardiology congress, Athens, Invited speaker: *Novel weight loss drugs: How much cardiovascular risk reduction can we achieve?*
- **2019** EuroHeartCare congress Milan, ACNAP, Invited Faculty: Chair
- **2018- current** Silver membership Association of Cardiovascular Nurses and Allied Health Professions (ACNAP)
- **2018- current** Silver membership European Association of Preventive Cardiology (EAPC)
- **2017-2018** EUROASPIRE-V study coordinator Amsterdam UMC, the Netherlands
- **2016-2020** Education Committee member, Association of Cardiovascular Nurses and Allied Health Professions ACNAP-ESC
- **2012-2013** EUROASPIRE-IV study coordinator Amsterdam UMC, the Netherlands
- **2011 - current** Contributor to nearly all Preventive Cardiology and ESC congresses

## Other (Inter)national Committee(s) Participation

- **2014- current** Chair Scientific Committee, Dutch Society of Cardiovascular Nurses (NVHV), Utrecht, the Netherlands
- **2014 - current** Board member Dutch Society of Cardiovascular Nurses (NVHV), Utrecht, the Netherlands

## Editorial Boards

None

## Fellowships / Honours

- **2019** NWO (Dutch Research Council) Post-Doctoral Research Grant
- **2014** NWO (Dutch Research Council) Dissertation Research Grant

## Honorary Memberships

None

## Major Publications (5-10 most important publications in the field)

- A Tijssen, HT. Jørstad, M Minneboo, G ter Riet, R Lindeboom, WJM Scholte op Reimer, RJG Peters, **M Snaterse**. Long-Term Effects of Community-Based Lifestyle Interventions in Coronary Patients: RESPONSE-2 3-Year Follow-Up. *JACC*.2022;79(5):511-512.
- M Minneboo, S Lachman, **M Snaterse**, HT Jorstad, G ter Riet, SM Boekholdt, WJM Scholte op Reimer, RJG Peters, on behalf of the RESPONSE-2 study group. Community-based lifestyle intervention in patients with coronary artery disease. The RESPONSE 2 trial. *JACC* 2017;70(3):318-27.
- **M Snaterse**, HT Jorstad, M Heiligenberg, G ter Riet, SM Boekholdt, WJM Scholte op Reimer, RJG Peters. Nurse-coordinated care improves the achievement of LDL-cholesterol targets through more intensive medication titration. *Openhrt*-2017-000607.
- **M Snaterse**, J Dobber, P Jepma, RJG Peters, G ter Riet, SM Boekholdt, B Buurman, WJM Scholte op Reimer. Effective components of nurse-coordinated care to prevent recurrent events: a systematic review and meta-analysis. *Heart* 2016;102(1):50-56
- **M Snaterse**, WJM Scholte op Reimer, J Dobber M Minneboo G ter Riet, HT Jorstad, SM Boekholdt, RJG Peters. Smoking cessation after an acute coronary syndrome: immediate quitters are successful quitters. *Neth Heart J*. 2015; 23(12):600-607.
- **M Snaterse**, JW Deckers, M Lenzen, HT Jorstad, D De Bacquer, RJG Peters, C Jennings, K Kotseva, WJM Scholte op Reimer for the EUROASPIRE investigators. Smoking cessation in European patients with coronary heart disease. Results from the EUROASPIRE IV survey: A registry from the European Society of Cardiology. *Int. J of Card*. 2018;258:1-6.
- A Tijssen, **M Snaterse**, M Minneboo, S Lachman, WJM Scholte op Reimer, RJG Peters, HT Jørstad. Weight management and determinants of weight change in patients with coronary artery disease. *Heart* 2021;107:1552–1559.10.1136/heartjnl-2021-319726
- van Trier TJ, **Snaterse M**, Hageman SHJ, Ter Hoeve N, Sunamura M, Moll van Charante EP, Galenkamp H, Deckers JW, Martens FMAC, Visseren FLJ, Scholte Op Reimer WJM, Peters RJG, Jørstad HT. Unexploited potential of risk factor treatment in patients with atherosclerotic cardiovascular disease. *Eur J Prev Cardiol*. 2023;30(7):601-610.
- van Trier TJ, Jørstad HT, Scholte Op Reimer WJM, Sunamura M, Ter Hoeve N, Aernout Somsen G, Peters RJG, **Snaterse M**. Patients' preferences for secondary prevention following a coronary event. *Prev Med Rep*. 2024;40:102681.
- Ter Hoeve N, Jorstad HT, Sunamura M, Janssen VR, Scholte Op Reimer WJM, **Snaterse M**. Know Your Numbers: Patient and Physician Disparity in Cardiovascular Risk Perception After an Acute Coronary Syndrome. *J Cardiopulm Rehabil Prev*. 2022;42(6):E99-E100.

## Major Research Interest(s)

- Risk Management
- Healthy Lifestyles
- Secondary Prevention
- Patient Perspective and Participation
- Multidisciplinary Care

## Vision Statement

My ambition is to make substantial contributions to the field of preventive cardiology on a European scale. I am committed to establishing and developing collaborative networks both within the nucleus and across various organizations to advance research and practice in preventive cardiology. Having a background in nursing, I am skilled at developing professional networks and creating collaborative events. I enjoy bringing people together and fostering a culture of teamwork such as, for example, the EUROASPIRE surveys data collection.

As a senior researcher, I am part of the research group Preventive Cardiology in a large university medical center. My research line involves pioneering new approaches to risk factor management and lifestyle modification. This research encompasses risk factors associations and (long-term) cardiovascular events, the development and implementation of risk reduction strategies, the improvement of therapy adherence, and the promotion of behavior change. For the past ten years, I have actively contributed to these areas through various avenues. I have presented my findings orally and in writing at numerous national and international conferences, delivered lectures to educate the next generation of healthcare professionals, and published approximately 40 peer-reviewed articles in leading journals. Additionally, I have taken on a mentorship role, supervising three PhD students who are making their own significant contributions to the field.

Looking forward, I aim to elevate my impact by multidisciplinary collaborations across Europe. I seek to integrate our collective knowledge and resources to drive forward the practice of preventive cardiology.



# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Nienke ter Hoeve



### Present Position

- **2021-now:** Assistant Professor and member of the scientific staff, Erasmus MC, Department of Rehabilitation Medicine, Rotterdam, the Netherlands
- **2018-now:** Head research division, Capri Cardiac Rehabilitation, Rotterdam, the Netherlands
- **2018-now:** Supervisor of 4 PhD candidates, of which one recently obtained her PhD degree

### Training and Education

- **2012-now:** Several statistical and methodological courses, Erasmus MC, Rotterdam, the Netherlands
- **2018:** Female talent class, Erasmus MC, Rotterdam, the Netherlands
- **2016:** Hands on performing exercise intervention trials in cardiovascular prevention and rehabilitation, EAPC course, Munich, Germany
- **2009:** MSc, Human Movement Sciences, VU University, Amsterdam, the Netherlands

### Post Graduate Degrees

- **2018:** PhD degree, Erasmus MC, Department of Rehabilitation Medicine & Capri Cardiac Rehabilitation. Thesis: Optimizing Cardiac Rehabilitation. *My thesis focused on behavioural interventions to improve (objectively measured) physical activity and sedentary behaviour of cardiac patients.*  
<https://pure.eur.nl/en/publications/optimizing-cardiac-rehabilitation>

## **EAPC/European Society of Cardiology Activities**

- **2018-now:** Silver membership European Association of Preventive Cardiology
- **2014-now:** Several (moderated) poster presentations at ESC Preventive Cardiology and ESC congresses
- **2011-now:** Visitor of nearly all Preventive Cardiology congresses and several ESC congresses
- **2022:** Invited chairperson ESC Preventive Cardiology
- **2020:** Presenter Young Investigator Award at ESC Preventive Cardiology
- **2017:** Best poster prize, EuroPrevent
- **2016:** Participant EAPC course “Hands on performing exercise intervention trials in cardiovascular prevention and rehabilitation”, Munich, Germany

## **Other (Inter)national Committee(s) Participation**

- **2024:** Board member scientific committee of the Netherlands Society of Rehabilitation Medicine
- **2022-now:** Board member committee rehabilitation medicine of the Dutch Association of Human Movement Sciences
- **2022-now:** Board member Physical Activity Community Erasmus MC, the Netherlands

## **Editorial Boards**

- **2023-now:** Journal of Rehabilitation Medicine

## **Fellowships / Honours**

- **2023:** Principal investigator, research grant Dutch Organisation for Health Research and Development (820k€)
- **2019:** Second prize PhD Award, Dutch Association of Human Movement Sciences
- **2018:** Finalist PhD Award, Dutch Association of Rehabilitation Physicians
- **2018:** Principal investigator, research grant Dutch Organisation for Health Research and Development (50k€)



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- **2017:** Best oral presentation prize, Dutch Congress Rehabilitation Medicine
- **2017:** Best poster prize, EuroPrevent
- **2016:** Co-applicant, research grant Dutch Organisation for Health Research and Development (250k€)
- **2008:** G.J. van Ingen Schenau promising young scientist award, VU University Amsterdam

### Honorary Memberships

- Non

### Major Publications (5-10 most important publications in the field)

- den Uijl I, van den Berg-Emons HJG, Sunamura M, Lenzen MJ, Stam HJ, Boersma E, Tenbült-van Limpt NCCW, Kemps HMC, Geleijnse ML, **ter Hoeve N**. Effects of a dedicated cardiac rehabilitation program for patients with obesity on body weight, physical activity, sedentary behaviour and physical fitness: the OPTICARE XL randomized controlled trial. *Physic Ther* 2023. 1;103(9):pzad055. doi: 10.1093/ptj/pzad055
- den Uijl I, **ter Hoeve N**, Sunamura M, Stam HJ, Boersma H, Lenzen MJ, Brouwers RWM, Tenbült-van Limpt NCCW, Ista E, van den Berg-Emons HJG. Cardiac rehabilitation designed for patients with obesity: OPTICARE XL RCT results on health-related quality of life and psychosocial well-being. *Disabil Rehabil* 2023. 21:p.1-10
- Limpens MAM, van den Berg-Emons HJG, den Uijl I, Sunamura M, Voortman T, Boersma H, **ter Hoeve N**. Physical activity and sedentary behaviour changes during and after cardiac rehabilitation: can patients be clustered? *J Rehabil Med* 2023. 12:55:jrm4343. doi: 10.2340/jrm.v55.4343.
- **ter Hoeve N**, Jorstad HT, Sunamura M, Janssen VR, Scholte Op Reimer WJM, Snaterse M. Know Your Numbers: Patient and Physician Disparity in Cardiovascular Risk Perception After an Acute Coronary Syndrome. *J Cardiopulm Rehabil Prev*. 2022;42(6):E99-E100.
- den Uijl I, **Ter Hoeve N**, Sunamura M, Lenzen MJ, Braakhuis HEM, Stam HJ, Boersma E, van den Berg-Emons RJG. Physical Activity and Sedentary Behavior in Cardiac Rehabilitation: Does Body Mass Index Matter? *Phys Ther*, 2021. 101(9): pzab142



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- Keessen P, den Uijl I, Visser B, van den Berg-Emons HJG, Latour CHM, Sunamura M, Jorstad HT, ter Riet G, Scholte op Reimer WJM, Kraaijenhagen RA, **ter Hoeve N**. Fear of movement in patients attending cardiac rehabilitation: a validation study. *J Rehabil Med*, 2020. 27;52(2).
- Sunamura M, **ter Hoeve N**, van den Berg-Emons RJ, Boersma E, van Domburg RT, Geleijnse ML. Cardiac rehabilitation in patients with acute coronary syndrome with primary percutaneous coronary intervention is associated with improved 10- year survival. *Eur Heart J Qual Care Clin Outcomes*, 2018. 4(3):168-172
- Sunamura M\*, **ter Hoeve N\***, van den Berg-Emons HJG, Geleijnse ML, Haverkamp M, Stam HJ, Boersma H, van Domburg RT. Randomised controlled trial of two advanced and extended cardiac rehabilitation programmes. *Heart*, 2018. 104(5): p. 430-7. \*shared first authorship.
- **ter Hoeve N**, Sunamura M, Stam HJ, Boersma H, Geleijnse ML, van Domburg RT, van den Berg-Emons HJG. Effects of two behavioral cardiac rehabilitation interventions on physical activity: A randomized controlled trial. *Int J Cardiol*, 2018. 255: p. 221-8.
- **ter Hoeve N**, Huisstede BM, Stam HJ, van Domburg RT, Sunamura M, van den Berg-Emons HJG. Does cardiac rehabilitation after an acute cardiac syndrome lead to changes in physical activity habits? Systematic review. *Phys Ther*, 2015. 95(2): p. 167-79.

### Major Research Interest(s)

- 24-hour movement patterns (Physical activity, sedentary behaviour and sleep)
- Healthy lifestyle and risk factor management
- Behavioural lifestyle interventions
- Cardiac rehabilitation

## Vision Statement

It is my ambition to become a research leader in secondary prevention of cardiovascular disease. Over the past years, I have established a research line focused on enhancing the effectiveness of cardiac rehabilitation. My research concentrates on optimizing 24-hour patterns of physical activity, sedentary behaviour, and sleep, for patients with cardiovascular disease. To achieve this, my research encompasses several areas, such as developing and evaluating lifestyle interventions during cardiac rehabilitation; understanding factors associated with (sub)optimal patterns of physical activity, sedentary behaviour, and sleep; and investigating the impact of changes in these 24-hour patterns on psychosocial health, quality of life, and cardiovascular health. Working within both a university hospital and one of the largest cardiac rehabilitation centres in the Netherlands allows me to collaborate closely with a multidisciplinary team of researchers, healthcare professionals and patients, ensuring our findings directly benefit daily care and lead to improved patient outcomes. To date, I have published 36 papers and currently supervise 4 PhD candidates. Over the years, I've developed a robust professional network within the field.

Within the nucleus, I aim to expand my international network and collaborations, so that together we can advance research across Europe. I am confident that my proactive and collaborative approach, combined with my background in movement sciences and my roles in both a university hospital and a cardiac rehabilitation centre, will add significant value to the nucleus and promote multidisciplinary collaborations. I have gained relevant experience in similar roles, including organizing congresses and meetings, and leveraging my network within various committees listed in my CV.



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## **Sports Cardiology and Exercise Section**



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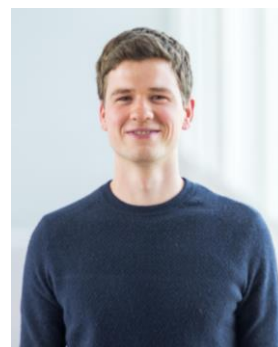
# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Vincent L. Aengevaeren



### Present Position

- 2021 – present Cardiologist in training, Radboudumc Nijmegen (NL)
- 2019 – present Postdoctoral researcher, Radboudumc Nijmegen (NL)

### Training and Education

- 2011 – 2015 Master of Medicine, Radboud University, Nijmegen (NL), *Cum Laude*
- 2008 – 2011 Bachelor of Medicine, Radboud University, Nijmegen (NL), *Cum Laude*
- 2002 – 2008 *Gymnasium*, Stedelijk Gymnasium Nijmegen (NL), *Cum Laude*

### Post Graduate Degrees

- 2015 – 2020 PhD in Medical Sciences, Radboud University, Nijmegen (NL), *Cum Laude*

### EAPC/ESC Activities

- 2024 Co-author in statement paper 'Exercise-induced cardiovascular abnormalities in master athletes: A Clinical Consensus Statement of the European Association of Preventive Cardiology of the ESC and the American College of Cardiology'
- 2018 – 2021 Young Ambassador of the EAPC for the Netherlands.
- 2021 Discussant in "Guidelines in practice: sports participation of athletes with coronary artery disease - finding the right balance". ESC Congress, digital.
- 2020 Case presentation. *Exercise-induced troponin increase: cause for concern?* 6<sup>th</sup> EAPC Sports Cardiology course, Amsterdam (NL).
- 2019 EAPC Summit on Cardiovascular Disease Prevention, Nice (FR).
- 2019 Poster presentation. *Exercise-Induced Cardiac Troponin I Increase and Incident Mortality and Cardiovascular Events*. ESC Congress, Paris (FR).

- 2019 Invited Lecture. *Cardiovascular Risk in Veteran Runners*. Europrevent, Lisbon (PT).
- 2018 Poster presentation. *Association between Lifelong Physical Activity and Hypertrophic Cardiomyopathy Phenotype Expression and Disease Characteristics*. ESC Congress, Munich (DE).

### **Other (Inter)national Committee(s) Participation**

- 2015 – present National working group Sports Cardiology of the Netherlands

### **Editorial Boards**

- Regular reviewer for *EJPC / Circulation / European Heart Journal / EHJ Cardiovascular imaging / American Journal of Respiratory and Critical Care Medicine / American Heart Journal / Clinical Cardiology / Cardiology / BMJ Open Sport & Exercise Medicine / Plos One / Netherlands Heart Journal*.

### **Fellowships / Honours / Awards**

- 2022 Presentation Award Netherlands Society of Cardiology.
- 2021 PhD thesis Award in Sports Medicine 2020.
- 2021 3rd prize PhD thesis Award in Movement Sciences 2020 from the Dutch Association for Movement Sciences.
- 2021 Einthoven award for best cardiovascular PhD thesis of 2020 from the Netherlands Society of Cardiology.
- 2021 EAPC Young Investigator award 2021 for the “Sports Cardiology and Exercise” section.
- 2021 Hamburger award for best PhD thesis 2020 in Physiology from Dutch Physiology Society.
- 2020 Radboud Institute for Health Sciences Science award 2019 for best peer-reviewed scientific publication (“Exercise-Induced Cardiac Troponin I Increase and Incident Mortality and Cardiovascular Events”).
- 2019 Committee for Dutch Cardiology centers (WCN) Research Award 2018-2019 for best cardiovascular research paper (“Exercise-Induced Cardiac Troponin I Increase and Incident Mortality and Cardiovascular Events”).
- 2019 Radboud Institute for Health Sciences Science award 2017 for best peer-reviewed scientific publication of 2017 (“Relationship Between Lifelong Exercise Volume and Coronary Atherosclerosis in athletes”).



- 2018 Netherlands Association of Sports Medicine Science Award 2017-2018 for best peer-reviewed publication (“Relationship Between Lifelong Exercise Volume and Coronary Atherosclerosis in athletes”).
- 2017 Presentation Award Netherlands Society of Cardiology 2017.
- April – Nov 2016 International visit to the Insitituto di medicina e scienza dello sport in Rome (IT) under supervision of prof. Antonio Pelliccia.
- 2013 Radboudumc Master Medicine Internship Award for best research internship of the Medicine faculty 2011-2012.
- April – Nov 2011 Research internship at the Institute for Exercise and Environmental Medicine in Texas (US) under supervision of dr. Rong Zhang and dr. Benjamin D. Levine.
- 2011 – 2012 Honours Programme for Master students – Beyond the Frontiers
- 2009 – 2011 Honours Programme for Bachelor students – Medical Sciences

### Major Publications – top 10.

- **Aengevaeren VL**, Mosterd A, Braber TL, Prakken NHJ, Doevendans PA, Grobbee DE, Thompson PD, Eijsvogels TMH, Velthuis BK. *Relationship Between Lifelong Exercise Volume and Coronary Atherosclerosis in Athletes*. **Circulation**. 2017 Jul 11;136(2):138-148. doi: 10.1161/CIRCULATIONAHA.117.027834. Epub 2017 Apr 27. PMID: 28450347.
- **Aengevaeren VL**, Caselli S, Picicchio C, Di Paolo FM, Hopman MTE, Spataro A, Eijsvogels TMH, Pelliccia A. *Right Heart Remodeling in Olympic Athletes During 8 Years of Intensive Exercise Training*. **J Am Coll Cardiol**. 2018 Aug 14;72(7):815-817. doi: 10.1016/j.jacc.2018.03.548. PMID: 30092959
- **Aengevaeren VL**, Hopman MT, Thompson PD, Bakker EA, George KP, Thijssen DH, Eijsvogels TM. *Exercise-Induced Cardiac Troponin I Increase and Incident Mortality and Cardiovascular Events*. **Circulation**. 2019 Sep 9;140(10):804-814. doi: 10.1161/CIRCULATIONAHA.119.041627. PMID: 31401842
- **Aengevaeren VL**, Mosterd A, Sharma S, Braber TL, Thompson PD, Velthuis BK, Eijsvogels TMH. *Coronary Atherosclerosis in Athletes: Exploring the Role of Sporting Discipline*. **JACC Cardiovasc Imaging**. 2019 Aug;12(8 Pt 1):1587-1589. doi: 10.1016/j.jcmg.2019.01.002. Epub 2019 Feb 13. PMID: 30772217
- **Aengevaeren VL**, Mosterd A, Sharma S, Prakken NHJ, Möhlenkamp S, Thompson PD, Velthuis BK, Eijsvogels TMH. *Exercise and Coronary Atherosclerosis: Observations, Explanations, Relevance and Clinical Management*. **Circulation** 2020 Apr 21;141(16):1338-1350. doi: 10.1161/CIRCULATIONAHA.119.044467. PMID: 32310695
- **Aengevaeren VL**, Froeling M, Hooijmans MT, Monte JR, van den Berg-Faay S, Hopman MTE, Strijkers GJ, Nederveen AJ, Bakermans AJ, Eijsvogels TMH. *Myocardial Injury and Compromised Cardiomyocyte Integrity Following a Marathon Run*. **JACC Cardiovasc**

- Imaging.** 2020 Jun;13(6):1445-1447. doi: 10.1016/j.jcmg.2019.12.020. Epub 2020 Mar 18. PMID: 32199849.
- **Aengevaeren VL**, Baggish AL, Chung EH, George K, Kleiven Ø, Mingels AMA, Ørn S, Shave RE, Thompson PD, Eijsvogels TMH. *Exercise-Induced Cardiac Troponin Elevations: From Underlying Mechanisms to Clinical Relevance.* **Circulation.** 2021 Dec 14;144(24):1955-1972. doi: 10.1161/CIRCULATIONAHA.121.056208. Epub 2021 Dec 13. PMID: 34898243
  - **Aengevaeren VL**, Mosterd A, Bakker EA, Braber TL, Nathoe HM, Sharma S, Thompson PD, Velthuis BK, Eijsvogels TMH. *Exercise Volume Versus Intensity and the Progression of Coronary Atherosclerosis in Middle-Aged and Older Athletes: Findings From the MARC-2 Study.* **Circulation.** 2023 Jan 4. doi: 10.1161/CIRCULATIONAHA.122.061173. PMID: 36597865.
  - Bakker EA, **Aengevaeren VL**, Lee DC, Thompson PD, Eijsvogels TMH. *All-cause mortality risks among participants in mass-participation sporting events.* **Br J Sports Med.** 2024 Apr 2;58(8):421-426. doi: 10.1136/bjsports-2023-107190. PMID: 38316539
  - **Aengevaeren VL**, Claessen G, Eijsvogels TM. *Coronary atherosclerosis in athletes: recent insights and clinical considerations.* **Br J Sports Med.** 2024 Mar 19:bjsports-2023-107938. doi: 10.1136/bjsports-2023-107938. Epub ahead of print. PMID: 38503469.

### Major Research Interest(s)

- My major research interests lies within Sports Cardiology and is focussed on the potential detrimental effects of exercise on the heart (e.g. sudden death in athletes, myocardial fibrosis, biomarker release, exercise-induced cardiomyopathy, enlarged aorta diameters, arrhythmias and coronary atherosclerosis). I aim to answer the overarching question whether too much exercise can hurt the heart. I especially focus on coronary atherosclerosis in athletes and exercise-induced troponin release.

## Vision Statement

I'm very interested in joining the nucleus of the Sports Cardiology and Exercise section to progress the field of preventive cardiology. In this era of increasing health care costs and an aging population, prevention is key to sustain great health and health care quality. Exercise is medicine and a great tool to lower cardiovascular risk. However, there are some caveats. My research focusses primarily on the potential detrimental effects of exercise on the heart, but with the ultimate goal to allow all individuals to optimally benefit from an active lifestyle.

From my research experience I have learned that collaboration is key in producing the best results, and therefore aim to stimulate collaboration as much as possible. I have previously established international research collaborations with multiple experts in the field of sports cardiology (Profs. Sharma / Pelliccia / Claessen / Levine / Eijsvogels), am a member of our national sports cardiology working group and was previously Young Ambassador (from the young community) for the EAPC for the Netherlands.

During my clinical training, I am continuing my research as well as I can, because I believe that is the optimal combination to produce high-quality care for patients and high-quality research.

I am highly motivated to join the nucleus and initiate high-quality research projects, such as collaborative research studies, proposals for future position statements or guidelines, the exchange of personnel/students, initiate webinars/symposia and sharing educational material in the field of sports cardiology and exercise physiology. For an early career researcher and clinician, I have an extensive track record and network of experts. I believe my clinical and research experience, combined with the extensive network of the nucleus will provide an excellent basis for such initiatives and this will further advance our field of Sports Cardiology. Altogether, this will provide me the foundation to be a pro-active nucleus member.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Dimitra Antonakaki

### Present Position

- Consultant in Inherited Cardiac Conditions, Sports Cardiology and Cardiac MRI, National Heart & Lung Transplant Center “Onassis Cardiac Surgery Center”, Athens, Greece
- Senior Clinical Lecturer (Hons), Sports Cardiology MSc, St George’s University of London, UK
- Module Lead of the Advanced Management of Inherited Cardiac Conditions and Cardiovascular Genomics Module of the Sports Cardiology Master degree
- Member of the Media Task Force Council of Cardiovascular Genomics of the European Society of Cardiology (ESC)
- Honorary Consultant in Inherited Cardiac Conditions, John Radcliffe University Hospital, Oxford, UK





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## Training and Education

- 16/09/2005 – 27/07/2011 **Degree in Medicine, National and Kapodistrian University of Athens, Greece. Grade: 8.2/10 (Hons) “Very Good”**
- 08/2020 **Certificate of Completion of Training in Cardiology (CCT)**
- 01/2022 **Master of Science (Msc) in Sports Cardiology** (8 modules and thesis). St George’s University of London (UoL), UK. 2 years duration. Grade: Distinction
- 12/2024-present Student in **Executive MSc Health Economics, Outcomes and Management in Clinical Sciences**. London School of Economics and Political Sciences (LSE), UK
- **EECG** (European Exam in General Cardiology)- previously KBA (Knowledge-based assessment)
- **Level 3 CMR**, awarded body: EACVI (European Association of Cardiovascular Imaging)
- **Level 2 Cardiac CT**, awarded body: SCCT (Society of Cardiovascular Computed Tomography)
- **Transthoracic Echocardiography**, awarded body: EACVI (European Association of Cardiovascular Imaging)
- **Cardiopulmonary Exercise Test (CPET)** awarded body: POETTS (perioperative Exercise Testing & Training Society)

08/2020-04/2022 **Post-CCT Fellow in Inherited Cardiac Conditions and Multimodality CV Imaging**

St Bartholomew’s Cardiothoracic Centre

Barts NHS Trust

Address: W Smithfield, London, UK. EC1A7BE

09/2019-08/2020 **Fellow in Inherited Cardiac Conditions and Multimodality CV Imaging**



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*St Bartholomew's Cardiothoracic Centre*

Barts NHS Trust

Address: W Smithfield, London, UK. EC1A7BE

05/2018-09/2019 **SpR(Specialty Registrar) General Cardiology**

*St George's University Hospital Cardiothoracic Centre*

Address: Blackshaw Road Tooting, London, UK. SW170QT

08/2017-05/2018 **SpR(Specialty Registrar) General Cardiology**

*Royal Free Hospital*

Address: Pond street, London, UK. NW32QG

07/2016-08/2017 **SpR(Specialty Registrar) General Cardiology**

*Broomfield Hospital*

*Mid Essex Hospitals Trust*

Address: Court Road Broomfield, Chelmsford, Essex, UK. CM17ET

08/2015-08/2016 **SpR(Specialty Registrar) in Cardiothoracic Intensive Care**

*St George's University Hospital Cardiothoracic Centre*

Address: Blackshaw Road Tooting, London, UK. SW170QT

08/2013-08/2015 **General Medical Training (CMT) rotation South West London Deanery**

Respiratory, Cardiology, Acute Medical Unit (AMU)

*Kingston Hospital NHS Foundation Trust*

Address: Galsworthy Road, Kinston Upon Thames, UK. KT27QB

- Infectious diseases, Acute Medical Unit

*St George's University Hospital Cardiothoracic Centre*

Address: Blackshaw Road Tooting, London, UK. SW170QT

03/2012 – 07/2013 **Rural General Practitioner**

*Megalopoli Health Centre and Karytaina Rural Surgery*

Address: Th. Avgerinou Megalopoli, Greece. 22200

31/01/2012 – 01/03/2012 **Specialty Training post for one month Clinical**

**Rotation Internal Medicine, General Surgery, Pediatrics and Emergency**

*Panarcadian District General Hospital of Tripoli "Evaggelistria"*

Address: Erythros Stavros terminal, Tripoli, Greece. 22100



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## Post Graduate Degrees

- 01/2022 **Master of Science (Msc) in Sports Cardiology** (8 modules and thesis). St George's University of London (UoL). 2 years duration. Grade: Distinction
- 12/2024-present Student in **Executive MSc Health Economics, Outcomes and Management in Clinical Sciences**. London School of Economics and Political Sciences (LSE), UK

## EAPC/European Society of Cardiology Activities

- **Discussant**, EAPC Journal Club discussant, 03/2024
- **Speaker**, ESC Preventive Cardiology Conference, Athens, Greece 25-27/04/2024: "Left ventricular Hypertrophy and Sports when to worry"
- **Speaker**, EAPC/ACC Sports Cardiology Course 2024, London, UK (future presentation TBA)
- **Speaker**, ESC Congress 2023, Amsterdam, Netherlands 25-28/08/2023: "Time for a pit stop? Detraining for differential diagnosis between benign and malignant arrhythmias"
- Media Task Force Member of the ESC Council on Cardiovascular Genomics, **Bimonthly Contributor and Reviewer to the Educational Section "Cardiovascular Genomics insight"**

## Other (Inter)national Committee(s) Participation

- GEnotes Working Group

Ongoing project since Dec 2021

Aim of the project: I am part of the GeNotes working group and I am contributing to the HEE Genomics Education Programme. GEnotes is being developed as an



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online genomics resource for clinicians, providing 'just in time' clinical information, underpinned by opportunities to access broader genomics education.

The resource is divided into two types of documents, Tier 1 and Tier 2. Tier 1 documents are based on clinical presentations, supplying 'just in time' information for use in the clinic: when genetic testing is appropriate; what test to order; how to order it etc. They also contain links to underpinning Tier 2 documents, with more detailed information about different genetic conditions, technologies, basics of genetics etc. I have written the Tier one document for HCM and I am currently writing the Tier two document for HCM.

- AICC Trainee Representative UK 2022-2024
- I have been the AICC (Association of Inherited Cardiac Conditions) National trainee representative. Within this role, I was working towards promoting and supporting the structured completion of training for trainees in ICCs, as we integrated the new Cardiology Training Curriculum. Moreover, I had been working on the creation of a national nucleus of educational resources, opportunities for research and networking for trainees and actively engaging the charity organisations and the patients within this effort. I was working in this group towards updating the 2014 ICC subspecialty specifications on the NHS previous Standard Contract. I have also helped organising the AICC 2021, 2022 and 2023 conference.

## Editorial Boards

n/a

## Fellowships / Honours

- Awarding body: European Society of Cardiology (ESC)  
Description and purpose of award: scholarship to study Executive MSc Health Economics, Outcomes and Management in Clinical Sciences  
Year received: 2024
- Awarding body: Onassis Foundation  
Description and purpose of award: scholarship (50% of the study fees living expenses) to study Executive MSc Health Economics, Outcomes and Management in Clinical Sciences  
Year received: 2024





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- Awarding body: St Georges' University of London.  
Description and purpose of award: Full-fee scholarship to study Sports Cardiology Msc.  
Year received: 2019
- Awarding body: ESC Congress 2019  
Description and purpose of award: Educational Grant  
Year received: 2019
- Awarding body: 2nd award for QUIP nominated by Kingston Foundation Trust for the design of the QUIP which lead to the vast improvement of placement and management of chest drains. I also presented this audit/QUIP at the International Forum on Quality and Safety in Healthcare (BMJ/IHI), London, UK 26-28/04/2017 2017. The award included an amount of money which  
  
I donated this to the respiratory department to buy a BiPAP machine for our patients.
- Awarding body: EFG EUROBANK  
Description and purpose of award: Prize for the Medical student who received the highest GPA to enter University, <10% of medical students of the first academic year nationally obtained this award  
Year received: 2006
- Awarding body: Greek Government from Lifelong Learning and Religious Affairs Ministry Scholarship awarded by the Greek government from Lifelong Learning and Religious Affairs Ministry.  
Description and purpose of award: Awarded to the top 300 students entering University nationally in Greece.  
Year received: 2005

## **Honorary Memberships**

n/a



**EAPC**

European Association  
of Preventive Cardiology

## Major Publications (5-10 most important publications in the field)

- Category of publication: Original research

Date of publication: 27/02/2024

Journal title: **European Journal of Preventive Cardiology**

Publication title: **Prevalence and clinical significance of electrocardiographic complete right bundle branch block in young individuals**

Authors: Hamish MacLachlan, Dimitra Antonakaki, Raghav Bhatia, Saad Fyyaz, Nikhil Chatrath, Emmanouil Androulakis, Sarandeep Marwaha, Joyee Basu, Chris Miles, Harshil Dhutia, Abbas Zaidi, Navin Chandra, Nabeel Sheikh, Sabiha Gati, Aneil Malhotra, Gherardo Finocchiaro, Sanjay Sharma, Michael Papadakis

- Category of publication: Original research

Date of publication: 06/10/2021

Journal title: **Frontiers in Cardiovascular Medicine**

Publication title: **Myocardial Perfusion Imaging After Severe COVID-19 Infection Demonstrates Regional Ischemia rather than Global Blood Flow Reduction**

Authors: G.Thornton, A.Shetye, D.Knight, K.Knott, J.Artico, H.Kurdi, S.Yousef, D.Antonakaki, Y.Razvi, L.Chacko, J.Brown, R.Patel, K.Vimalesvaran, A.Seraphim, R.Davies, H.Xue, T.Kotecha, R.Bell, C.Manisty, G.Cole, J.Moon, P.Kellman, M.Fontana, T.Treibel.

- Category of publication: Case report

Date of publication: 21/05/2021

Journal title: **Revista Espanola de Cardiologia (Engl Ed)**

Publication title: **Saw-tooth cardiomyopathy: cardiomyopathies baring their teeth**

Authors: AG Ropero, D. Antonakaki, K. Savvatis

- Category of publication: Systematic review and Metanalysis

Date of publication: 20/08/2020

Journal title: **Int J Cardiol . 2020 Aug 1;312:110-116.**

Publication title: **Prognostic value of cardiovascular magnetic resonance T1 mapping techniques in non-ischemic dilated cardiomyopathy: A systematic review and meta-analysis**

Authors: Chiao A., Antonakaki D, Basmbani A., Karvounis C, Rimoldi O., Karamitsos T.



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- Category of publication: Systematic review and meta-analysis

Date of publication: 22/04/2017

Journal title: Crit Care . 2017 Aug 4;21(1):207. doi: 10.1186/s13054-017-1796-9.

Publication title: **What is the impact of the fluid challenge technique on diagnosis of fluid responsiveness: a systematic review and meta-analysis'**

Authors

L. Toscani, H. Aya, D. Antonakaki, D. Bastoni, X. Watson, N. Arulkumaran, A. Rhodes, M. Cecconi

- Category of publication: Cross Sectional Study

Date of publication: 13/01/2016

Journal title: J Clin Neurophysiol. 2016 Oct;33(5):431-442

Publication title: **Ophthalmological assessment of OCT and electrophysiological changes in migraine patients**

Authors: Verroiopoulos G, Nitoda E, Ladas ID, Brouzas D, Antonakaki D, Moschos MM

- Category of publication: Case Report

Date of publication: 20/11/2015

Journal title: Perfusion. 2016 Jul;31(5):431-2

Publication title: **Epstein-Barr futile myocarditis requiring urgent orthotopic heart transplantation**

Authors: Antonakaki D, Mirza SA, Sundar S, Grapsa J

- Category of publication: **Book chapter "Arrhythmogenic cardiomyopathy"**

Date of publication: 2022, ISBN: 9789925588473

Book title: Clinical Cardiology

Editor: Broken Hill Publishers Ltd

## **Major Research Interest(s)**

- Sports cardiology
- Cardiac MRI in Sports Cardiology, Rare and Inherited Cardiovascular Conditions
- Genomics in Inherited Cardiac Conditions and Rare Cardiovascular Diseases



**EAPC**

European Association  
of Preventive Cardiology

## Vision Statement

I would appreciate if you would consider my application for **the position of Nucleus member in EAPC Sports Cardiology and Exercise section.**

I graduated with honours from University of Athens in Greece and I started and completed my Medical and Cardiology training in UK in large University and Cardiothoracic Centres in London. Meanwhile, I gained a highly competitive scholarship by St George's University of London to study MSc in Sports Cardiology, from which I graduated with distinction.

Through my career so far, I strived towards planning educational and management projects with excellent feedback and with great impact to patients' care and colleagues' daily activities and environment. This was alongside presentations and quality improvement concepts in a local, national and international level. From a very early stage of my career as a doctor, I was given leadership posts in Clinical Governance and Education.

Over the last 12 years I have been working in the NHS, and since 2018 I have been looking after patients with a breadth of Inherited Cardiac Conditions (ICC) as a subspecialised cardiologist. Starting at St George's University Hospital of London and moving to Barts Heart Centre. I acquired the ESC accreditations in multimodality imaging including ECHO, CMR (level 3) and SCMR and Cardiac CT (level 2).

I was appointed as a Consultant Cardiologist in ICC based at John Radcliffe University Hospital in Oxford where I joined the leading team in Genetics under Professor Hugh Watkins. I dedicated my time there to the patients and their families' care, working hand in hand with the cardiomyopathy charities, such as CRY and UK Cardiomyopathy.

Alongside my clinical duties, I heavily contributed to national training and research by joining -following competitive national elections- the UK national Association of Inherited Cardiac Conditions (AICC) as the "National Trainee Representative in AICC". I co created the first official website for the organisation <https://www.theaicc.org> which has greatly enhanced equitable access to support education and training. Furthermore, this role intensified further my use of social media as an important channel of wide communication.

My continuous commitment in education and genomics harnessed via my position as a Senior Clinical Lecturer at St George's University and, specifically as a Module Lead for the "Advanced Management and Genomics of Inherited Cardiac Conditions" part of the Sports Cardiology Msc Course.



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I have recently joined the Media Task Force of the ESC Council on Cardiovascular Genomics with a view to disseminate the knowledge of genetics in Inherited Cardiac Conditions and promote the research on this rapidly developed field.

My greatest motivation to join as a nucleus member comes from the observation that in many countries around the globe, as well as within the same country, there is a lack of well-structured services and knowledge on this field. Sadly, there is limited use of the service resources, mainly restricted to the capital of the country, with obsolete function in developing countries, despite the increasing number of patients whose management should be falling in a multidisciplinary experienced teams. The suboptimal management of the CV diseases in athletes as well as inherited cardiac diseases' patients and their families not only has a direct health impact to the individuals, but also a major socioeconomic effect.

Hand in hand with the ICC, a rapidly expanding area of Cardiology is the Sports Cardiology. In the era of a rapidly increasing sporting population, that encompasses both young and old, the need for primary and secondary prevention of sudden death is more essential than ever before. This is particularly challenging among young individuals who are largely asymptomatic even if harbouring a sinister cardiac condition associated with sudden death. I would like to combine my passions for the Inherited Cardiac Conditions, Athlete's heart, imaging and Genomics to help build quality services and organize structured according to the European Society of Cardiology standards with equal access for all patients. There are currently limited data in athletes, and every single day we learn new processes in genetics and ICC. Where deemed appropriate, I would like avail the opportunity of researching outcomes and utilise the knowledge to cooperate with experts in the field propose practical and educational solutions where needed.



**ESC**

European Society  
of Cardiology



it is only over the last couple decades that the Cardiology world gained understanding on the Sports Cardiology alongside rare cardiovascular diseases and the research in this field has grown enormously. One may imagine this as the “Big Bang” of Cardiology. The proof is the myriads of discoveries in novel genes and genetic mechanisms over the recent years and the need to update the Cardiomyopathy ESC guidelines in 2023 in order to raise knowledge and awareness on these diseases.

I am extremely keen to spread the knowledge and collaboration in order to develop services and raise awareness towards recognition of the differential diagnosis and organisation with equitable access for all patients starting with the nucleus and building pillars for its expansion.

My ambition through this position is to "join Forces", to make a change as a team player, doctor, woman in cardiology and through my Master degree in LSE, as a health economist for the sake of patients and their families.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Pascal Bauer



### Present Position

- Head of Sports cardiology and cardiovascular prevention
- Head of Angiology  
Department of Cardiology and Angiology  
Justus-Liebig-University Giessen, Germany
- Associate professor, Justus-Liebig-University Giessen, Germany

### Training and Education

- 10/2000- 10/2006: Medical school Johannes Gutenberg- University Mainz, Germany
- 10/2006: Licensed physician, state of Germany
- 10/2006: Medical military officer, German federal army
- 09.11.2006- 28.09.2008: Residency  
Department of internal medicine and intensive care medicine, German central military hospital, Koblenz
- 29.09.2008 - 31.12.2015: Residency  
Department of cardiology and angiology,  
Justus- Liebig- University Giessen, Germany
- 01/2016 to present: Senior physician  
Department of cardiology and angiology,  
Justus-Liebig- University Giessen, Germany
- since 01/2016: Head of Sports cardiology section  
Justus- Liebig- University Giessen

- since 08/2016: Head of angiology  
Department of cardiology and angiology,  
Justus- Liebig- University Giessen
- since 2021: Head of the nutrition commission, University hospital Giessen

### **Post Graduate Degrees**

- “Evaluation of a standardised postoperative analgetic regime for patients after hip replacement“  
Doctoral thesis: 15.07.2008: Johannes Gutenberg- University Mainz
- 2010: Specialist certification in emergency medicine
- 11/2011: Auxiliary advanced degree in nutrition medicine
- 01/2012: Specialist certification in internal medicine
- 12/2012: Hypertension specialist (DHL)
- 06/2013: Specialist of cardiovascular prevention (DGPR)
- 04/2015: Specialist certification in cardiology
- 11/2016: Auxiliary advanced degree in Sports medicine
- 08/2017: Specialist certification in angiology
- 07/2019: Sports cardiologist (highest level, DGK)
- 03/2021: Specialist certification in nutrition medicine
- 12/2022: Habilitation for internal medicine and granted Venia legendi  
from the Justus-Liebig-University Giessen,  
Associate professor Justus-Liebig- University Giessen

### **EAPC/European Society of Cardiology Activities**

- None



### **Other (Inter)national Committee(s) Participation**

- 2012-present Sports cardiologist HSG Wetzlar, first german handball division
- 2014- present. Sports cardiologist TV Hüttenberg, first and second german handball division
- 2014- present Sports cardiologist Giessen 46ers, first german basketball division
- 2014- present. Sports cardiologist EC Bad Nauheim, second german ice hockey division
- 2015- present Sports cardiologist FSV Hessen Wetzlar, second german female soccer division
- 2018 Local campaign: „Saving lives at sport“, German football association
- 2019- present Elected nucleus member section „Sports cardiology“ of the german cardiac society
- 2021-2023 Deputy speaker of the section „Sports cardiology“ of the german cardiac society
- 2023- present Speaker of the section „Sports cardiology“ of the german cardiac society
- 2022- 2024 Expert member in the guideline committee of the german sports medicine society: “Guidelines for the pre-participation examination in Sports”
- 2022- present. Member in the guideline committee of the german general medicine society:“Guidelines for cardiovascular prevention”

### **Editorial Boards**

- Scientific reports

### **Fellowships / Honours**

- None

## Honorary Memberships

- None

## Major Publications (5-10 most important publications in the field)

- Größer V, Weyh C, Böttlich T, Frech T, Nolte S, Sommer N, Huber M, Eder K, Dörr O, Hoelscher S, Weber R, Akdogan E, Nef H, Most A, Hamm CW, Krüger K, Bauer P. Association of cardiorespiratory fitness level with vascular function and subclinical atherosclerosis in the elderly. *Eur J Appl Physiol.* 2024 May;124(5):1487-1497.
- Most A, Kraushaar L, Dörr O, Keranov S, Hoelscher S, Weber R, Akdogan E, Groesser V, Husain-Syed F, Nef H, Hamm CW, Bauer P. Association of central blood pressure with an exaggerated blood pressure response to exercise among elite athletes. *Eur J Appl Physiol.* 2024 Apr;124(4):1239-1252.
- Böttlich T, Bauer P, Größer V, Huber M, Raifer H, Frech T, Nolte S, Dombrowski T, Cemic F, Sommer N, Ringseis R, Eder K, Krüger K, Weyh C. Subpopulations of regulatory T cells are associated with subclinical atherosclerotic plaques, levels of LDL, and cardiorespiratory fitness in the elderly. *J Sport Health Sci.* 2023 Nov 10:S2095-2546(23)00113-8..
- Bauer P, Tello K, Kraushaar L, Dörr O, Keranov S, Husain-Syed F, Nef H, Hamm CW, Most A. Normative values of non-invasively assessed RV function and pulmonary circulation coupling for pre-participation screening derived from 497 male elite athletes. *Clin Res Cardiol.* 2023 Oct;112(10):1362-1371.
- Bauer P, Kraushaar L, Dörr O, Keranov S, Nef H, Hamm CW, Most A. Vascular alterations among male elite athletes recovering from SARS-CoV-2 infection. *Sci Rep.* 2022 May 23;12(1):8655
- Most A, Dörr O, Nef H, Hamm C, Bauer T, Bauer P. Influence of 25-Hydroxy-Vitamin D Insufficiency on Maximal Aerobic Power in Elite Indoor Athletes: A Cross-Sectional Study. *Sports Med Open.* 2021 Oct 14;7(1):74.
- Bauer P, Kraushaar L, Dörr O, Nef H, Hamm CW, Most A. Sex differences in workload-indexed blood pressure response and vascular function among professional athletes and their utility for clinical exercise testing. *Eur J Appl Physiol.* 2021 Jul;121(7):1859-1869.

- Bauer P, Kraushaar L, Dörr O, Nef H, Hamm CW, Most A. Workload-indexed blood pressure response to a maximum exercise test among professional indoor athletes.  
Eur J Prev Cardiol. 2021 Oct 25;28(13):1487-1494.
- Bauer P, Kraushaar L, Dörr O, Bauer T, Nef H, Hamm CW, Most A. Association of 25-hydroxy vitamin D level with the blood pressure response to a maximum exercise test among professional indoor athletes.  
Eur J Appl Physiol. 2020 Aug;120(8):1931-1941.
- Bauer P, Kraushaar L, Hölscher S, Tajmiri-Gondai S, Dörr O, Nef H, Hamm C, Most A. Elite athletes as research model: vitamin D insufficiency associates with elevated central blood pressure in professional handball athletes.  
Eur J Appl Physiol. 2019 Oct;119(10):2265-2274.

### **Major Research Interest(s)**

- Central hemodynamics and vascular function in athletes
- Blood pressure response to exercise
- Vascular function and performance in elite athletes
- Cardiovascular adaptations to exercise
- Exercise hypertension

## Vision Statement

I am honored to express my keen interest in the position of Nucleus Member for the European Sports Cardiology Section, with a focus on digital applications in sports cardiology, specifically within the context of Germany. As a dedicated researcher with a primary focus on central hemodynamics, exercise hypertension, and vascular adaptations to exercise, I am eager to contribute my expertise to advance the field, foster collaboration, and enhance the understanding of cardiovascular health in athletes.

In an era where technology is rapidly transforming healthcare, I envision leveraging digital applications to revolutionize sports cardiology. Integrating wearable devices, telemedicine, and innovative monitoring systems will allow us to gather real-time data, enhancing our ability to assess athletes' cardiovascular health during training and competition. My commitment lies in exploring and implementing cutting-edge digital tools that empower clinicians and athletes alike, promoting early detection, personalized interventions, and ultimately optimizing cardiovascular outcomes.

My research passion revolves around central hemodynamics, exercise hypertension, and vascular adaptations to exercise. I envision delving deeper into understanding the intricate relationships between central blood pressure, arterial stiffness, and exercise-induced adaptations. By promoting research initiatives in these domains, we can unravel the complexities of cardiovascular responses to exercise, paving the way for evidence-based guidelines and tailored interventions for athletes across Europe.

If selected as a Nucleus Member, I am committed to fostering a collaborative and inclusive environment within the European Sports Cardiology Section. By encouraging interdisciplinary partnerships and engaging with professionals from various fields, we can harness collective expertise to address challenges, share knowledge, and drive impactful advancements in sports cardiology.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Edoardo Conte



### Present Position

- September 2022 - Today  
Head of Cardiovascular Outpatients Facilities including a dedicated program for Sport Cardiology.  
Clinical Cardiology and Cardiovascular Imaging Department – Director Prof D. Andreini - Galeazzi-Sant’Ambrogio Hospital, IRCCS - University of Milan- Via C. Belgioioso 173 – Milan, Italy

### Training and Education

- August 2017 – August 2022  
Staff Member – Clinical and Research activities  
Department of Cardiovascular Imaging – Director: Dr G. Pontone  
Sport Cardiology Program – Director: Prof. A. Andreini  
Centro Cardiologico Monzino, IRCCS - University of Milan - Via C. Parea 4, 20138 Milan, Italy
- May 2019 - Cardiac CT Certification Level III  
European Society of Cardiology – EACVI
- July 2019 - Cardiovascular Magnetic Resonance Certification – Level III  
European Society of Cardiology – EACVI
- October 2018 - Transthoracic Echocardiography Certification Level III  
European Society of Cardiology – EACVI

- April 2017 - Advance Life Support - ALS Provider  
Italian Resuscitation Council – IRC
- July 2011 - Bachelor of Medicine  
Thesis Title: " Prognostic value of cardiac CT in patients with suspected CAD "  
School of Medicine - University of Milan, Italy  
Director: Prof. C. Fiorentini  
110/110 cum laude

### **Post Graduate Degrees**

- November 2020 – November 2023 PhD – “Translational Medicine” Course -  
Thesis Title: " Artificial intelligence applied to facial features as a new biomarker  
for early identification of high-risk atherosclerosis: a translational approach."  
University of Milan, Italy  
Director Prof. Chiarella Sforza
- July 2012- July 2017 – Postgraduate degree in Cardiology  
Thesis Title: " Coronary artery plaque features identified by cardiac CT for early  
identification of patients at higher risk of major cardiovascular events."  
School of Cardiology  
University of Milan, Italy  
Director: Prof. F. Lombardi  
70/70 cum laude

### **EAPC/European Society of Cardiology Activities**

- December 2022 - December 2024.  
EACVI Certification and Accreditation Committee - CCT sub-committee  
European Society of Cardiology
- July 2022- July 2024  
EAPC Young Community Core Group Member  
European Society of Cardiology
- July 2022- July 2024  
EAPC Research Committee Member

European Society of Cardiology

- 2018 - Question writer for EACVI Cardiac CT certification exam (2018)
- Authors of the following chapters of the EACVI ToolBox: 1) Cardiac CT in Athlete's Heart; 2) Cardiac CT in Dilated Cardiomyopathy

### **Other (Inter)national Committee(s) Participation**

- December 2022 – Decembre 2024  
Core Group Member of the Sport Cardiology Working Group of the Italian Society of Cardiology
- December 2018 – Dember 2024  
Core Group Member of the Cardiac CT and Nuclear Cardiology Working Group of the Italian Society of Cardiology

### **Editorial Boards**

- Journal of Cardiovascular Computer Tomography: Editorial Board member as Associate Editor
- International Journal of Cardiovascular Imaging: Editorial Board member as Coronary Artery Disease / Ischemic Heart Disease Section Editor
- European Heart Journal – Case Reports: Editorial Board member as Deputy Editor
- Frontiers in Cardiovascular Medicine: Editorial Board member as Associate Editor
- Official reviewer for the following journals: European Heart Journal – Cardiovascular Imaging; Atherosclerosis; Journal of Cardiovascular Computed Tomography; International Journal of Cardiology; Clinical Radiology; European Heart Journal – Case Report; JACC – Cardiovascular Imaging; EuroIntervention

### **Fellowships / Honours**

- Fellow of the European Society of Cardiology (FESC)

- Fellow of the European Association of Cardiovascular Imaging until December 2023
- 2015 - European Society of Cardiology Congress 2015: Best Poster Award on Computed Tomography Award (London) for the study “Characteristics of atherosclerotic plaques evaluated at coronary computed tomography angiography associated with higher risk of future acute coronary syndrome: a long-term follow-up study”
- December 2017 - National Congress of the Italian Society of Cardiology - The published study “Evaluation of coronary plaque characteristics with coronary computed tomography angiography in patients with non-obstructive coronary artery disease: a long-term follow-up study” was selected for presentation in the “Young investigator highlights session” of the congress.
- January 2020: Society of Cardiovascular Computed Tomography Winter Meeting (Tel-Aviv): Best Poster Presentation for the study: Coronary Plaque Assessment By Coronary CT Angiography May Predict Cardiac Events In Diabetic Patients: A Long Term Follow up Study
- May 2022 - Italian Society of Cardiovascular Imaging – Best Scientific Paper Award for the published paper titled: Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: results from the ICONIC study

### **Honorary Memberships**

- WG on Atherosclerosis & Vascular Biology Member of the European Society of Cardiology
- WG on Myocardial & Pericardial Diseases Member of the European Society of Cardiology



## Major Publications (5-10 most important publications in the field)

- Conte E, Marchetti D, Melotti E, Schillaci M, Mushtaq S, Maffi V, Pontone G, Bartorelli A, Andreini D. Clinical and cardiac CT characteristics of congenital coronary abnormalities occasionally detected in a middle-aged population: A long-term follow-up study. J Cardiovasc Comput Tomogr. 2024 Apr 18:S1934-5925(24)00076-5. doi: 10.1016/j.jcct.2024.04.002. Epub ahead of print. PMID: 38641453.
- Conte E, Pizzamiglio F, Dessanai MA, Guarnieri G, Ardizzone V, Schillaci M, Dello Russo A, Casella M, Mushtaq S, Melotti E, Marchetti D, Volpato V, Drago G, Gigante C, Sforza C, Bartorelli AL, Pepi M, Pontone G, Tondo C, Andreini D. Prevalence and prognosis of structural heart disease among athletes with negative T waves and normal transthoracic echocardiography. Clin Res Cardiol. 2024 May;113(5):706-715. doi: 10.1007/s00392-023-02282-5. Epub 2023 Aug 15. PMID: 37582977.
- Perone F, Peruzzi M, Conte E, Sciarra L, Frati G, Cavarretta E, Pingitore A. An Overview of Sport Participation and Exercise Prescription in Mitral Valve Disease. J Cardiovasc Dev Dis. 2023 Jul 18;10(7):304. doi: 10.3390/jcdd10070304. PMID: 37504560; PMCID: PMC10380819.
- Ratti A, Prestini B, Conte E, Marchetti D, Schillaci M, Melotti E, Belmonte M, Mushtaq S, Dessani MA, Pizzamiglio F, Tundo F, Zeppilli P, Bartorelli A, Andreini D. Anomalous origin of left circumflex artery from the right sinus of Valsalva: Clinical outcomes in a consecutive series of master athletes. Clin Cardiol. 2023 Sep;46(9):1097-1105. doi: 10.1002/clc.24120. Epub 2023 Sep 21. PMID: 37735845; PMCID: PMC10540012.
- Andreini D, Dello Russo A, Pontone G, Mushtaq S, Conte E, Perchinunno M, Guglielmo M, Coutinho Santos A, Magatelli M, Baggiano A, Zanchi S, Melotti E, Fusini L, Gripari P, Casella M, Carbucicchio C, Riva S, Fassini G, Li Piani L, Fiorentini C, Bartorelli AL, Tondo C, Pepi M. CMR for Identifying the Substrate of Ventricular Arrhythmia in Patients With Normal Echocardiography. JACC Cardiovasc Imaging. 2020 Feb;13(2 Pt 1):410-421. doi: 10.1016/j.jcmg.2019.04.023. Epub 2019 Jul 17. PMID: 31326488.

- Chang HJ, Lin FY, Lee SE, Andreini D, Bax J, Cademartiri F, Chinnaiyan K, Chow BJW, Conte E, Cury RC, Feuchtner G, Hadamitzky M, Kim YJ, Leipsic J, Maffei E, Marques H, Plank F, Pontone G, Raff GL, van Rosendaal AR, Villines TC, Weirich HG, Al'Aref SJ, Baskaran L, Cho I, Danad I, Han D, Heo R, Lee JH, Rivzi A, Stuijzand WJ, Gransar H, Lu Y, Sung JM, Park HB, Berman DS, Budoff MJ, Samady H, Shaw LJ, Stone PH, Virmani R, Narula J, Min JK. Coronary Atherosclerotic Precursors of Acute Coronary Syndromes. J Am Coll Cardiol. 2018 Jun 5;71(22):2511-2522. doi: 10.1016/j.jacc.2018.02.079. PMID: 29852975; PMCID: PMC6020028.
- Conte E, Dwivedi A, Mushtaq S, Pontone G, Lin FY, Hollenberg EJ, Lee SE, Bax J, Cademartiri F, Chinnaiyan K, Chow BJW, Cury RC, Feuchtner G, Hadamitzky M, Kim YJ, Baggiano A, Leipsic J, Maffei E, Marques H, Plank F, Raff GL, van Rosendaal AR, Villines TC, Weirich HG, Al'Aref SJ, Baskaran L, Cho I, Danad I, Han D, Heo R, Lee JH, Stuijzand WJ, Gransar H, Lu Y, Sung JM, Park HB, Al-Mallah MH, de Araújo Gonçalves P, Berman DS, Budoff MJ, Samady H, Shaw LJ, Stone PH, Virmani R, Narula J, Min JK, Chang HJ, Andreini D. Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: results from the ICONIC study. Eur Heart J Cardiovasc Imaging. 2021 Jan 1;22(1):24-33. doi: 10.1093/ehjci/jeaa210. PMID: 32793985; PMCID: PMC8218779.
- Conte E, Annoni A, Pontone G, Mushtaq S, Guglielmo M, Baggiano A, Volpato V, Agalbato C, Bonomi A, Veglia F, Formenti A, Fiorentini C, Bartorelli AL, Pepi M, Andreini D. Evaluation of coronary plaque characteristics with coronary computed tomography angiography in patients with non-obstructive coronary artery disease: a long-term follow-up study. Eur Heart J Cardiovasc Imaging. 2017 Oct 1;18(10):1170-1178. doi: 10.1093/ehjci/jew200. PMID: 27679600.
- Conte E, Andreini D, Magnoni M, Masson S, Mushtaq S, Berti S, Canestrari M, Casolo G, Gabrielli D, Latini R, Marraccini P, Moccetti T, Modena MG, Pontone G, Gorini M, Maggioni AP, Maseri A; CAPIRE Investigators, Steering Committee; Imaging Core Laboratory; Centralized biobank and biomarker core laboratory; Central ECG Reading; Psychologists CRF Group; Participating Centers and Investigators. Association of high-risk coronary atherosclerosis at CCTA with clinical and circulating biomarkers: Insight from CAPIRE study. J Cardiovasc Comput Tomogr. 2021 Jan-Feb;15(1):73-80. doi: 10.1016/j.jcct.2020.03.005. Epub 2020 Jun 11. PMID: 32563713.

## Major Research Interest(s)

- Early diagnosis, prognostic evaluation and pathophysiological interaction between physical activity and cardiovascular disease in athletes
- Diagnostic and prognostic role of advanced cardiovascular imaging (Cardiac CT and cardiac MRI) in patients with cardiomyopathy
- Diagnostic and prognostic role of advanced cardiovascular imaging (Cardiac CT and cardiac MRI) in patients with pericardial disease
- Advanced non-invasive evaluation of coronary atherosclerosis by cardiac CT

## Vision Statement

The aim of sports cardiology is to effectively prevent cardiovascular events among athletes while promoting safe and appropriate sports participation tailored to the different cardiovascular conditions.

An appropriate approach to this discipline needs a solid clinical and scientific background in cardiovascular medicine accompanied by the knowledge of the interaction between sports activity and cardiovascular diseases, as well as the ability to detect early signs of pathology among athletes avoiding “overdiagnoses”

The European Association of Preventive Cardiology (EAPC), and more specifically the Sport Cardiology Section of the EAPC should promote the positive engagement of cardiologist from different sub-specialties to inclusively contribute with their knowledge and expertise to this complex new discipline.

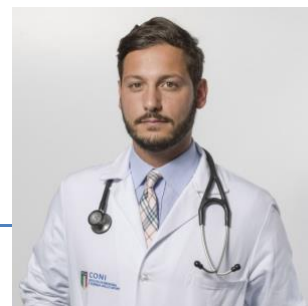
As a member of the Sports Cardiology Section, I would like to promote inclusive, international clinical research projects concerning sports cardiology to increase the scientific evidence in this discipline. Additionally, I aim to promote collaborative networks among cardiologists from different sub-specialties to contribute to the growth of this field. Moreover, I would like to contribute with educational activities to standardize the diagnostic and therapeutic approach to athletes with suspected cardiovascular disease, as well as physical activity prescription for patient with cardiovascular diseases, across different countries.

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Giuseppe Di Gioia

### Present Position

- Sports Cardiologist @ Institute of Sports Medicine and Science, Italian National Olympic Committee, Rome, Italy

### Training and Education

- 2004-2010. Medicine and Surgery Degree, Campus Bio-Medico University, Rome, Italy
- 2015. Certification of competence in Trans-esophageal Echocardiography released by European Association of CardioVascular Imaging (E.A.C.V.I.) and European Society of Cardiology (E.S.C.) societies
- 2015. Certification of competence in Transthoracic Echocardiography released by European Association of CardioVascular Imaging (E.A.C.V.I.) and European Society of Cardiology (E.S.C.) societies
- 2015. Certification of competence in Trans-Esophageal Echocardiography released by S.I.E.C (Italian Society of Cardiovascular Ultrasound)
- 2015. Certification of competence in Transthoracic Echocardiography released by S.I.E.C (Italian Society of Cardiovascular Ultrasound)
- 2015. Certification of competence in Vascular Echography released by S.I.E.C

## Post Graduate Degrees

- 2011-2016. Cardiovascular Disease Specialization Course, Campus Bio-Medico University, Rome, Italy
- 2022. Master Degree in Sports Cardiology, University of Padua, Italy
- 2022 – current. PhD student in “Science of Human Movement and Sports Medicine” @ Università del Foro Italico, Rome, Italy

## EAPC/European Society of Cardiology Activities

- Presented the following scientific work at the following EAPC/ESC Congress:
  - D. Ortolina, **G. Di Gioia**, V. Maestrini, S. Monosilio, MR. Squeo, E. Lemme, A. Serdoz, D. Zampaglione, R. Fiore, A. Pelliccia. The use of myocardial work index for the evaluation of elite endurance athletes with lower ejection fraction. Presented as moderated poster at ESC Preventive Cardiology 2024, Athens, 25-27th April, 2024.
  - **G. Di Gioia**, D. Ortolina, V. Maestrini, S. Monosilio, MR. Squeo, E. Lemme, A. Serdoz, R. Fiore, D. Zampaglione, A. Pelliccia. Myocardial work index in endurance athletes with lack of expected left ventricular eccentric hypertrophy remodelling. Presented as moderated poster at ESC Preventive Cardiology 2024, Athens, 25-27th April, 2024.
  - **G. Di Gioia**, V. Maestrini, S. Monosilio, E. Lemme, MR. Squeo, L. Buzzelli, A. Serdoz, D. Zampaglione, R. Fiore, A. Pelliccia. Effects of thyroid ft3 levels on exercise induced remodelling in elite athletes practicing different sporting disciplines. Presented as moderated poster at ESC Preventive Cardiology 2024, Athens, 25-27th April, 2024.
  - **G. Di Gioia**, MR. Squeo, E. Lemme, G. Paoletti, V. Maestrini, S. Monosilio, A. Serdoz, R. Fiore, D. Zampaglione, A. Pelliccia. Athlete's artery: brachial vascular remodeling in elite athletes practicing different sporting disciplines. Presented as moderated poster at ESC Preventive Cardiology 2024, Athens, 25-27th April, 2024.
  - **G. Di Gioia**, V. Maestrini, S. Monosilio, E. Lemme, MR. Squeo, A. Serdoz, D. Zampaglione, R. Fiore, G. Paoletti, A. Pelliccia. Effects of dyslipidemia on endothelial morpho-functional parameters in a cohort of elite athletes practicing different sporting disciplines. Presented as moderated abstract at ESC Preventive Cardiology 2024, Athens, 25-27th April, 2024
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- **G. Di Gioia**, S. Mega, A. Nenna, F. Musumeci, M. Miglionico, G. Di Sciascio. The importance of pre-operative left atrial volume on early and late outcome and left atrio-ventricular reverse remodeling in patients undergoing mitral surgery for mitral valve prolapse. Poster presented at ESC congress, Rome, August 27-31th, 2016; Congress Acta
- **G. Di Gioia**, A. Creta, M. Fittipaldi, R. Giorgino, F. Quintarelli, U. Satriano, A. Cruciani, V. Antinolfi, S. Di Bernardino, D. Costanzo, G. Mottini. ECG is an inefficient screening-tool for left ventricular hypertrophy in normotensive african children population. Presented at ESC congress, Rome, August 27- 31th, 2016; Congress Acta
- S Monosilio, S Prosperi, A Ciuffreda, E Lemme, **G Di Gioia**, R Mango, G Tonti, G Pedrizzetti, G Gualdi, A Pelliccia, M R Squeo, V Maestrini, Right ventricle adaptation to high intensity training assessed by cardiac magnetic resonance in olympic athletes, **European Journal of Preventive Cardiology**, Volume 30, Issue Supplement\_1, June 2023, zwad125.133, <https://doi.org/10.1093/eurjpc/zwad125.133>
- S Prosperi, S Monosilio, R Ferrara, E Lemme, **G Di Gioia**, R Mango, G Gualdi, M R Squeo, V Maestrini, A Pelliccia, Does right ventricular remodeling in elite athletes persist years after training cessation?, **European Journal of Preventive Cardiology**, Volume 30, Issue Supplement\_1, June 2023, zwad125.252, <https://doi.org/10.1093/eurjpc/zwad125.252>
- S Monosilio, S Prosperi, I L Birtolo, E Lemme, **G Di Gioia**, R Mango, G Gualdi, A Pelliccia, M R Squeo, V Maestrini, Native T1 and T2 mapping by CMR in a cohort of olympic athletes: does sport discipline make difference?, **European Journal of Preventive Cardiology**, Volume 30, Issue Supplement\_1, June 2023, zwad125.135, <https://doi.org/10.1093/eurjpc/zwad125.135>
- S Monosilio, S Prosperi, A Ciuffreda, E Lemme, G Di Gioia, R Mango, G Pedrizzetti, G Tonti, G Gualdi, A Pelliccia, M R Squeo, V Maestrini, Extreme cardiac remodelling observed in elite endurance athletes: analysis of myocardial deformation and estimated hemodynamic forces, **European Journal of Preventive Cardiology**, Volume 30, Issue Supplement\_1, June 2023, zwad125.138, <https://doi.org/10.1093/eurjpc/zwad125.138>
- D Filomena, S Monosilio, L I Birtolo, M Penza, E Lemme, M R Squeo, **G Di Gioia**, G Tonti, G Pedrizzetti, F Fedele, G Gualdi, A Spataro, A Pelliccia, B Di Giacinto, V Maestrini, Hemodynamic forces in olympic athletes assessed by



cardiac magnetic resonance: a new non-invasive screening tool?, **European Journal of Preventive Cardiology**, Volume 29, Issue Supplement\_1, May 2022, zwac056.329, <https://doi.org/10.1093/eurjpc/zwac056.329>

- M Penza, D Filomena, S Monosilio, L Birtolo, A Serdoz, E Lemme, M Squeo, R Mango, **G Di Gioia**, F Fedele, G Gualdi, A Spataro, A Pelliccia, B Di Giacinto, V Maestrini. Positive CMR findings are associated with polymorphic ventricle arrhythmias and ECG repolarization changes but not with exercises induced arrhythmias in competitive and non-competitive athletes. **European Journal of Preventive Cardiology**, Volume 29, Issue Supplement\_1, May 2022, zwac056.279, <https://doi.org/10.1093/eurjpc/zwac056.279>

### Other (Inter)national Committee(s) Participation Editorial Boards

- Journal of Clinical Medicine (JCM) – Guest Editor for Special Issue: “Epidemiology and effects of cardiovascular risk factors in athletes”.

### Fellowships / Honours

- Dec 2023. Fellow of Italian Society of Cardiology (FISC)
- Nov 2023. European Awards in Medicine, Specialty: Sports Medicine, Paris, France
- June 2022. Young Researcher in Sports Cardiology Award, Venus International Foundation, Chennai, India.

### Honorary Memberships

### Major Publications (5-10 most important publications in the field)

- Di Gioia G, Crispino SP, Maestrini V, Monosilio S, Ortolina D, Segreti A, Squeo MR, Lemme E, Nenna A, Pelliccia A. Lack of cardiac remodelling in elite endurance athletes: an unexpected and not so rare finding. Eur J Appl Physiol. 2024 Apr 22. doi: 10.1007/s00421-024-05489-0. Epub ahead of print. PMID: 38647676.
- Di Gioia G, Crispino SP, Monosilio S, Maestrini V, Nenna A, Spinelli A, Lemme E, Squeo MR, Pelliccia A. Left Ventricular Trabeculation: Arrhythmogenic and Clinical Significance in Elite Athletes. J Am Soc Echocardiogr. 2024 Mar 15:S0894-



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7317(24)00110-X. doi: 10.1016/j.echo.2024.03.003. Epub ahead of print. PMID: 38492683.

- Di Gioia G, Crispino SP, Maestrini V, Monosilio S, Squeo MR, Lemme E, Nenna A, Luvero D, Angioli R, Pelliccia A. *Cardiovascular Effects of Chronic Hormone Therapy: Study on Olympic Female Athletes*. Am J Cardiol. 2024 Feb 1;212:6-12. doi: 10.1016/j.amjcard.2023.11.032. Epub 2023 Nov 18. PMID: 37984634.
- Di Gioia G, Crispino SP, Monosilio S, Maestrini V, Nenna A, Segreti A, Squeo MR, Lemme E, Ussia GP, Grigioni F, Pelliccia A. *Cardiovascular and metabolic effects of hyperbilirubinemia in a cohort of Italian Olympic athletes*. Scand J Med Sci Sports. 2023 Dec;33(12):2534-2547. doi: 10.1111/sms.14481. Epub 2023 Aug 31. PMID: 37650311.
- Di Gioia G, Buzzelli L, Maestrini V, Nenna A, Monosilio S, Squeo MR, Lemme E, Pelliccia A. *Lipid Profile in Olympic Athletes: Proposal for a "Lipid Athlete Score" as a Clinical Tool to Identify High-Risk Athletes*. J Clin Med. 2023 Nov 30;12(23):7449. doi: 10.3390/jcm12237449. PMID: 38068500; PMCID: PMC10707559.

### Major Research Interest(s)

- Hypertrophic cardiomyopathy
- Cardiovascular risk profile in athletes
- Dyslipidaemia
- Exercise induced heart remodelling
- Imaging of elite athletes (echocardiography)





## **Vision Statement**

Continue the research projects in the field of sports cardiology by introducing recent echocardiographic methods (Myocardial work index) in the athlete's evaluation

Finish the PhD program in 2025

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Geza Halasz

### Present Position

- 01/10/2022 at present Cardiology consultant cardiomyopathy and Heart failure Unit San Camillo Forlanini Hospital, Rome
- 19/03/2020–30/09/2022 Cardiology Consultant G. Da Saliceto Hospital, Piacenza (Italy) Clinical and research activity in the Acute Cardiac Care and Heart Failure Unit( Prof. M Piepoli)
- 04/07/2017–15/03/2020 : Attending Physician Cardiac Intensive Care Unit and rehabilitation Unit Fondazione Cardiocentro Ticino, Lugano (Switzerland)

### Training and Education

- Specialization in Sport and Exercise Medicine (L'Aquila University)
- Medical Degree L'Aquila University, L'Aquila (Italy) Degree Thesis: Lipoprotein-associated phospholipase A2 : a new biomarker for cardiovascular risk assessment and potential therapeutic target (Supervisor: Prof.ssa Maria Grazia Cifone)

### Post Graduate Degrees

- PHD student “National PhD in Artificial Intelligence” Main project: A machine learning approach for mortality and HF prediction in HCM: development and evaluation of a new score.
- 12/2023 CAS-Heart Failure, PCHF-Zurich
- 05/12/2019 EACVI Certification in Adult Transthoracic Echocardiography European Association of Cardiovascular Imaging, Vienna (Austria)



- European Practicum on Cardiopulmonary Exercise Testing, Centro Cardiologico Monzino, Milano (Italy)
- Training Course in Sport Cardiology, European Society Of Cardiology, Rome 2016

### **EAPC/European Society of Cardiology Activities**

- Representative of EAPC Young Community (Research Committee)
- Abstract Grader for Heart Failure congress (2021-2022-2023-2024)

### **Other (Inter)national Committee(s) Participation**

- Co-Chairman Cardioresenal section of ANMCO, Italy (Associazione Nazionale Medici Cardiologi Ospedalieri)

### **Editorial Boards**

- April 2024 at present Associate editor European Journal of Preventive Cardiology
- 2020-April 2024 Deputy editor European Journal of Preventive Cardiology

### **Fellowships / Honours**

### **Honorary Memberships**

### **Major Publications (5-10 most important publications in the field)**

- Halasz G, Capelli B, Nardecchia A, Cattaneo M, Cassina T, Biasini V, Barbieri D, Villa M, Beltrami M, Perone F, Villani M, Badini M, Gervasi F, Piepoli M, Via G. Cost-effectiveness and diagnostic accuracy of focused cardiac ultrasound in the pre-participation screening of athletes: the SPORT-FoCUS study. *Eur J Prev Cardiol.* 2023 Nov 9;30(16):1748-1757. doi: 10.1093/eurjpc/zwad287. PMID: 37668353.
- Halasz G, Cattaneo M, Piepoli M, Biagi A, Romano S, Biasini V, Villa M, Cassina T, Capelli B. Early Repolarization in Pediatric Athletes: A Dynamic Electrocardiographic Pattern With Benign Prognosis. *J Am Heart Assoc.* 2021 Aug 17;10(16):e020776. doi: 10.1161/JAHA.121.020776. Epub 2021 Aug 13. PMID: 34387099; PMCID: PMC8475030.
- Halasz G, Cattaneo M, Piepoli M, Romano S, Biasini V, Menafoglio A, Gasperetti A, Badini M, Villa M, Dall'Ara L, Roberto M, Cassina T, Capelli B. Pediatric athletes' ECG and diagnostic performance of contemporary ECG interpretation criteria. *Int J*

Cardiol. 2021 Jul 15;335:40- 46. doi: 10.1016/j.ijcard.2021.04.019. Epub 2021 Apr 12. PMID: 33857542.

- Billingsley HE, Del Buono MG, Canada JM, Kim Y, Damonte JI, Trankle CR, Halasz G, Mihalick V, Vecchié A, Markley RR, Kadariya D, Bressi E, Medina de Chazal H, Chiabrando JG, Mbualungu J, Turlington J, Arena R, Van Tassell BW, Abbate A, Carbone S. Sarcopenic Obesity Is Associated With Reduced Cardiorespiratory Fitness Compared With Nonsarcopenic Obesity in Patients With Heart Failure With Reduced Ejection Fraction. *Circ Heart Fail.* 2022 Oct;15(10):e009518. doi: 10.1161/CIRCHEARTFAILURE.122.009518. Epub 2022 Sep 13. PMID: 36098058; PMCID: PMC9588574
- Halasz G, Leoni ML, Villani GQ, Nolli M, Villani M. Obesity, overweight and survival in critically ill patients with SARS-CoV-2 pneumonia: is there an obesity paradox? Preliminary results from Italy. *Eur J Prev Cardiol.* 2020 Jul 8:2047487320939675. doi: 10.1177/2047487320939675 Epub ahead of print. PMID: 33611597.
- Halasz G, Di Spigno F, Donelli D, Giacani A, Moderato L, Lazzeroni D, De Luca Piepoli M. Cardiopulmonary limitations in young Long Covid patients: A cas control study. *Eur J Prev Cardiol.* 2024 Jan 19:zwae029. doi: 10.1093/eurjpc/zwae029. Epub ahead of print. PMID: 38244204.

### Presentations at ESC congresses

- **HFA Congress 2024:** moderated poster; Could we use cardiopulmonary exercise test to distinguish hypertrophic cardiomyopathy from Fabry disease? New insights from Italy
- **ESC Congress 2021:** ePoster; Rehabilitation in post-COVID patients. A single center experience.
- **ESC Congress 2020:** ePoster; "Master athletes'ECG and the diagnostic accuracy of contemporary ECG interpretation criteria"
- **Europevent 2018:**ePoster: The prevalence, ECG-lead distribution and prognostic significance of early repolarization pattern in non-elite athletes.
- **ESC Congress Munich 2018 - Oral Presentation** "Anti Heart-Autoantibodies and Arrhythmogenic Cardiomyopathy: the role of inflammation in disease evolution"
- **ESC Congress Rome 2016 - Oral Presentation** "The introduction of focused echo in pre-participation screening for non elite athletes: is it sustainable?"

### Major Research Interest(s)

- Application of AI to SCD and HF prediction in HCM
- Role of Imaging-CPET to differentiate sarcomeric vs non sarcomeric HCM



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- ECG interpretation and preparticipation screening in master athletes
- Cardiovascular adaptation in female athletes

### **Vision Statement**

The future sports cardiologist has the responsibility of providing medical treatment to both professional athletes and patients with cardiovascular disease, such as HCM, who wish to participate in exercise training. I am dedicated to advancing the field of sport cardiology by establishing it as a crucial and integral subspecialty within the broader field of cardiology. I am intrigued by the structural and functional changes of the athlete's heart and the distinction between adaptive and maladaptive remodelling. I am a sports cardiology enthusiast, and I believe that attending this position would represent a natural progression of my professional path and an opportunity to meet and share ideas with the leaders of sports cardiology, as well as to create and develop international collaboration and networks.



**ESC**

European Society  
of Cardiology

# Candidacy for EAPC 2024-2026 elections

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## Curriculum Vitae

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Harald Thune Jørstad



### Present Position

- Senior Attending, Department of Cardiology, Amsterdam UMC, the Netherlands
- Senior Consultant Sports Cardiology, Department of Cardiology, Amsterdam UMC, the Netherlands
- Head of Critical Care Unit/ Cardiac Emergency Room, Department of Cardiology Amsterdam UMC, the Netherlands
- Senior Consultant Sports Cardiology, Sports Medical Center Papendal (Olympic Center), Papendal, the Netherlands
- National Coordinator Dutch Pre-Participation Screening Programme Team-NL (NOC\*NSF), the Netherlands

### Training and Education

- 2004 – M.Sc.
- 2006 – Medical Degree (cum laude) Vrije Universiteit, Amsterdam, the Netherlands
- 2017 – Specialization Cardiology, Amsterdam UMC, the Netherlands
- 2017 – Senior Residency Sports Cardiology, Amsterdam UMC/ Sports Medical Center Papendal (Olympic Center), the Netherlands – *first Senior Residency Sports Cardiology in the Netherlands*

### Post Graduate Degrees

- 2016 – PhD ‘New strategies for the implementation of cardiovascular disease prevention’, Universiteit van Amsterdam, the Netherlands



### **EAPC/European Society of Cardiology Activities**

- 2020 – Local Chair *6th EAPC Sports Cardiology Course*, Amsterdam, the Netherlands
- 2020 – National reviewer ESC Sports Cardiology Guideline
- 2020-2022 – Lead EAPC Young Community
- 2020-2022 – EAPC Board Member (ex-officio)
- 2020-2022 – Board Member ESC ‘Young Cardiovascular Professionals’
- 2023 – Local Chair *9th EAPC Sports Cardiology Course*, Amsterdam, the Netherlands
- 2021-ongoing – co-Chair EAPC Accreditation Committee
- Silver Member EAPC, Professional Member ESC
- Numerous instances as abstract submitter-, faculty (invited)- and presenter (invited) at both ESC and EAPC Preventive Cardiology congresses

### **Other (Inter)national Committee(s) Participation**

- 2017-ongoing – Founder and Chair Dutch Sports Cardiology Expert Board (BAS - Bespreking te Amsterdam Sportcardiologische Casus), with international expansion from 2020
- 2017 – Founder Dutch Sports Cardiology Network
- 2019-2023 – Chair Sports Cardiology section of the Netherlands Society of Cardiology
- 2022-ongoing – Expert Panel Member GUARD-HEART European Reference Networks
- 2022-ongoing – Expert Panel Member VASCERN European Reference Networks
- 2023 – Board Member Sports Cardiology section of the Netherlands Society of Cardiology

### **Editorial Boards**

- Associate Editor for "Sports Cardiology" and for "Digital Cardiology" for the scientific journal ‘*Cardiology*’ (Karger)
- Associate Editor for the scientific journal ‘*Netherlands Heart Journal*’ (Elsevier)

## Fellowships / Honours

- 2017 – Fellowship Sports Cardiology ‘*Istituto di Medicina e Scienza dello Sport*’, Rome, Italy
- 2017 – Fellowship Sports Cardiology ‘*Academic Medical Center*’, Amsterdam, the Netherlands
- 2018 – ‘*High Performance Partner*’ NOC\*NSF (Dutch Olympic Team)
- 2018 – Amsterdam Movement Sciences Clinical Leadership Grant
- 2021 – Durrer Award best clinical paper ‘Netherlands Heart Journal’
- 2021 – Amsterdam Movement Sciences Societal Outreach Award
- 2023 – Durrer Award best clinical paper ‘Netherlands Heart Journal’

## Honorary Memberships

- Asia Pacific Society of Cardiology Young Community Emerging Leader

## Major Publications (5-10 most important publications in the field)

- 90 peer-reviewed publications, H-factor 22
- van Hattum JC, ... **Jørstad HT**. *Long-term cardiac follow-up of athletes infected with SARS-CoV-2 after resumption of elite-level sports*. Heart. 2024 PMID: 37678891
- Konings MK, ... **Jørstad HT**. *The hemodynamic cardiac profiler volume-time curves and related parameters: an MRI validation study*. Physiol Meas. 2024 PMID: 38064730.
- Panhuyzen-Goedkoop NM, ... **Jørstad HT**. *Quality of athlete screening for high-risk cardiovascular conditions-A systematic review*. Scand J Med Sci Sports. 2023 PMID: 37449413.
- Daems JJN, ... **Jorstad HT**. *Cardiac sequelae in athletes following COVID-19 vaccination: evidence and misinformation*. Br J Sports Med. 2023 PMID: 37562938.
- Bhatia RT, ... **Jorstad HT**, Papadakis M, Sharma S. *Prevalence and diagnostic significance of de-novo 12-lead ECG changes after COVID-19 infection in elite soccer players*. Heart. 2023 PMID: 37039240.
- van Hattum JC, ... **Jorstad HT**. *ELITE: rationale and design of a longitudinal elite athlete, extreme cardiovascular phenotyping, prospective cohort study*. BMJ Open Sport Exerc Med. 2023 PMID: 36756286.
- Tijssen A, **Jørstad HT**, ... Snaterse M. *Long-Term Effects of Community-Based Lifestyle Interventions in Coronary Patients: RESPONSE-2 3-Year Follow-Up*. J Am Coll Cardiol. 2022 PMID: 35115107.





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- van Hattum JC, ... **Jørstad HT**. *The Sports Cardiology Team: Personalizing Athlete Care Through a Comprehensive, Multidisciplinary Approach*. Mayo Clin Proc Innov Qual Outcomes. 2022 PMID: 36267910.
- van Hattum JC, ... **Jørstad HT**. *Cardiac abnormalities in athletes after SARS-CoV-2 infection: a systematic review*. BMJ Open Sport Exerc Med. 2021 PMID: 34691762.
- Minneboo M, ... **Jørstad HT**, ... Peters RJG. *Community-Based Lifestyle Intervention in Patients With Coronary Artery Disease: The RESPONSE-2 Trial*. J Am Coll Cardiol. 2017 PMID: 28705312.

### Major Research Interest(s)

- Cardiac pre-participation screening
- Cardiac adaptation to sports, electrocardiography and imaging
- Sports cardiology network medicine
- Cardiogenetics, heritable cardiac diseases and sports
- Primary and secondary prevention of atherosclerotic cardiovascular disease



## Vision Statement

As a highly motivated, early-stage cardiologist active in the field of sports cardiology since 2016, I am passionate about advancing the field through innovative research, education, and collaboration. My vision as a nucleus member of the EAPC Sports Cardiology Section is to contribute using my experience and skills, which I have developed on both a national and an international level, to foster a dynamic, inclusive, and forward-thinking community dedicated to promoting cardiovascular health in athletes and active individuals.

I aim to:

**Promote Research:** Help establish robust collaborative networks, and provide research opportunities for upcoming countries and talents, for example by stimulating FAIR sharing of existing datasets.

**Enhance Education:** Building on the experience as local chair of two EAPC Sports Cardiology Courses, I will continue to contribute to the design and implementation of high-quality educational initiatives, ensuring the dissemination of both the basics and the cutting-edge in knowledge and best practices.

**Engage Community:** Continue to actively participate and improve upon EAPC activities, in particular synergistically within collaborative initiatives in clinical practice and research.

**Drive Innovation:** Stimulate initiatives to create educational resources and tools – such as international expert panels and networks – to empower clinicians and researchers.

By fulfilling these roles and responsibilities, I am committed to advancing the mission of the EAPC, enhancing our collective impact, and ensuring the highest standards of care and research in sports cardiology.