

Elections to Council Nucleus and Nominating committee 2024-2026

Motivation letter: What would you do if successfully elected?

Application for the ESC Council on Stroke *Chair-Elect*

The core rationale behind my application for the position of chairperson-elect is to use my existing skills and past experience as a Nucleus member of the ESC Council on Stroke to assist the Council to evolve in the following areas in line with the ESC strategic plan:

- Promotion of interdisciplinary collaboration and synergies between different specialties involved in stroke care within the ESC family and across medical disciplines.
- Use my network established as the current liaison officer for exchange with our related societies such as the European Stroke Organisation, American Stroke Association, World Stroke Organization and national societies.
- Facilitate evidence generation to support position papers, future guidelines and advocacy.
- Advocate for equity and the fair distribution of access to training and research in the highly interdisciplinary field of stroke, in particular in countries with limited opportunities.

My background is interventional cardiology with a focus on coronary interventions and structural heart disease. In research I work with clinical and population cohorts and lead national and EU-funded international consortia (e.g. AFFECT-EU (affect-eu.eu)). My main interest is in digital cardiology, atrial fibrillation, heart failure, and omics for risk assessment in stroke.

As an interventional cardiologist and researcher a major goal for me will be to bridge the gap between clinical and scientific specialties and perspectives in stroke care. A major asset will be the international ESC Heart & Stroke conference that will provide visibility to the Council and foster interdisciplinary cooperation.

I will help guide the Council on Stroke into a bright future for the benefit of cardiovascular medicine in the field of cardiology and stroke and to serve our patients to reduce the burden of stroke-related morbidity.

Curriculum vitae Prof. Dr. med. Renate B. Schnabel, MSc

Personal Data

Name: Renate B. Schnabel, MD, MSc
Univ.-Prof. Dr. med.



A. Education and Qualifications

Medical school:	1996-2002, human medicine, Johannes Gutenberg-University, Mainz
Postgraduate education:	2007-2008, Master of Science in Epidemiology, Boston University, Boston, MA
Profession:	Interventional cardiology
Dissertation:	12/2002, Johannes Gutenberg-University, Mainz, magna cum laude, Dr. med. (MD)
Board Certifications:	11/2011 Internal medicine (Board Rheinessen) 09/2012 Cardiology (Board Hamburg)
Habilitation:	2003 - 2011, Johannes Gutenberg-University, Mainz "Epidemiology and Genetics of novel biomarker systems in the complex pathophysiology of coronary artery disease"
Venia legendi:	3/2011, Johannes Gutenberg-University, Mainz, internal medicine 9/2011 University Hamburg-Eppendorf, internal medicine

B. Prior Positions

07/2021	Deputy director, Department of Cardiology, University Heart and Vascular Center Hamburg
11/2020	W2 –professorship for interventional cardiology with lead of Medical Clinic II (cardiology, angiology, intensive care medicine) University Luebeck, University Clinic Schleswig-Holstein – List position 2 (<i>position 1 internal candidate</i>)
11/2019	Managing director (Geschäftsführende Oberärztin), leadership team University Heart and Vascular Center, Department of Cardiology
Since 06/2012	Consultant cardiologist University Heart and Vascular Center, Department of Cardiology
Since 2011	Medical specialist at University Heart and Vascular Center, Department of Cardiology, University Medicine Hamburg-Eppendorf
2008 – 2011	Fellow Medical Clinic 2, Cardiology, Johannes Gutenberg-University, Mainz
2007 – 2008	Master of Science in Epidemiology, Boston University School of Public Health, Boston, USA, Epidemiology, (M.Sc.)
2006 - 2008	Framingham Heart Study, Boston University, invitation stipend and postdoctoral research fellowship, German Research Foundation (DFG)
2002 – 2006	Fellow University Medical Center Mainz, Johannes Gutenberg-University, Mainz

1997 - 2002	German Academic Scholarship Foundation "Studienstiftung des deutschen Volkes"
1996 - 2002	Medical school Johannes Gutenberg-University Mainz, Royal London Hospital, Barts and The London Queen Mary's School of Medicine and Dentistry, UK (1999), and Royal Infirmary, University of Edinburgh, Edinburgh, UK (2002)

C. Scientific Expertise

Since 2020	PI EU Horizon 2020 Research and Innovation Grant
Since 2016	Professorship for internal medicine – cardiology, University Medical Center Hamburg-Eppendorf
2015 - 2021	PI European Research Council (ERC) Consolidator Grant
2013 - 2018	Co-PI e:Med SymAtrial junior consortium (Federal Ministry of Education and Research, BMBF)
Since 2011	PI Cardiovascular Research Center UKE
2011 - 2015	PI Emmy Noether Nachwuchsgruppe, Deutsche Forschungsgemeinschaft (DFG)

D. Research Fellowships/Stipends

2007 – 2008	Postdoctoral research fellowship, German Research Foundation (DFG)
2006 - 2007	Framingham Heart Study, Boston University, invitation stipend
2004	Research fellowship University Medical Center Hamburg-Eppendorf, noninvasive vascular function measurement (flow-mediated dilatation, peripheral arterial tonometry)
1997 - 2002	German Academic Scholarship Foundation "Studienstiftung des deutschen Volkes"

E. Prizes and Honors (recent)

2023	ESC Geoffrey Rose Lecture on Population Sciences, European Society of Cardiology
2021	Prize of the German Society of Parodontology (microbiome research)
2018	ESC Women Transforming Leadership Grant Award
2017	Wolfgang-Seefried project funding (D. Csengeri)

G. Memberships

Activities and committees, selection:

Since 2023	Task Force Advanced Training in Cardiac Medicine, German Cardiac Society
2022 – 2024	EHRA National Contacts Committee
2023 – 2024	ESC Task force on Big Data Analysis in Cardiology
2022 – 2024	EAPCI Fellowship Grants Committee
2022 - 2025	Programme committee of the annual congress of internal medicine, German Society of Internal Medicine
Since 2022	Scientific Advisor to the Molecular Medicine Partnership Unit (MMPU), Heidelberg
Since 2021	ESC Council on Stroke programme committee
2020/21	World Heart Foundation Roadmap Committee

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Since 2020	Co-chair German Cardiac Society Women & Family in Cardiology, project group 13
Since 2020	Nucleus member ESC Council on Stroke
Since 2019	German Neurological Society, committee cerebrovascular diseases
2019 – 2021	International ambassador, AHA Council on Functional Genomics and Translational Biology
Since 2018	Institution lead German Center for Cardiovascular Research (DZHK e.V.)
Since 2018	Steering Board AF-SCREEN International Collaboration
Since 2018	Atrial Fibrillation Network (AFNET e.V.) Steering Committee
Since 2018	Cardiovascular expert group National Cohort (NAKO)
Since 2018	ESC/EHRA (European Heart Rhythm Association) Selection Committee
Since 2016	PI German Center for Cardiovascular Research (DZHK e.V.)
2012 - 2016	Membership & Communications Committee of the AHA Council on Epidemiology and Prevention
Since 2016	Member and international advisor Norwegian Atrial Fibrillation Network
2012 – 2016	Membership and Communications Committee of the AHA Council on Epidemiology and Prevention
2011 – 2013	Leadership Committee of the AHA Council on Functional Genomics and Translational Biology
2009 – 2012	Chair Early Career Committee of the AHA Council on Functional Genomics and Translational Biology (FGTB)
2009 - 2011	Early Career Committee des AHA Council on Functional Genomics and Translational Biology (FGTB)
2002 - 2006	Committee of the AHA Council on Epidemiology and Prevention (EPI)

Membership in Professional Associations, Societies

German Cardiac Society (Deutsche Gesellschaft für Kardiologie (DGK e.V.)), German Society of Internal Medicine (Deutsche Gesellschaft für Innere Medizin (DGIM)), European Society of Cardiology, American Heart Association, Society of Gender in Medicine, Atrial Fibrillation Network (AFNET e.V.), German Center for Cardiovascular Research (Deutsches Zentrum für Herz-Kreislauf-Forschung (DZHK e.V.)), MDEpiNet e.V., Women EAPCI, European Heart Rhythm Association (EHRA)

I. Systematic Promotion of Junior People

Summer School, Selected Courses

Since 2023	Mentor TANDEM Mentoring-Programme, Medical Faculty RWTH Aachen
Since 2021	European Course in Antithrombotic Management (Certificate of Advanced Study on Antithrombotic Management, CAS-AM), ISTH, EHA, ESC
Since 2021	Mentoring-Programme German Cardiac Society – Interventional Cardiology
2019	German Cardiac Society (DGK e.V.) Academy: basic course specific prevention
Since 2017	Career Paths in Cardiovascular Medicine, Module 1-4 (German Cardiac Society)
2018	Masterclass: Advances in nonvalvular atrial fibrillation
2018	German Center for Cardiovascular Research (DZHK e.V.) Mentoring Programme
2017	COME – BMBF-funded summer school
2017	Marie Skłodowska-Curie Actions AFib-TrainNet EU Innovative Training Networks (ITN)

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List of Publications (most relevant for the position)

>300 original papers in total

- 1. Gut microbiome and atrial fibrillation-results from a large population-based study.** Palmu J, Börschel CS, Ortega-Alonso A, Markó L, Inouye M, Jousilahti P, Salido RA, Sanders K, Brennan C, Humphrey GC, Sanders JG, Gutmann F, Linz D, Salomaa V, Havulinna AS, Forslund SK, Knight R, Lahti L, Niiranen T, Schnabel RB. EBioMedicine. 2023;104583. doi: 10.1016/j.ebiom.2023.104583. Epub 2023 Apr 27. PMID: 37119735; PMCID: PMC10165189.
- 2. Increased risk of dementia differs across cardiovascular diseases and types of dementia - Data from a nationwide study.** Kauko A, Engler D, Niiranen T, Ortega-Alonso A, Schnabel RB. J Intern Med. 2024 Feb;295(2):196-205. doi: 10.1111/joim.13733. Epub 2023 Oct 29. PMID: 37899293.
- 3. Tissue-specific multiOMICs analysis of atrial fibrillation.** Assum A,* Krause J.* Markus O. Scheinhardt, Hammer E, Müller C, Börschel CS, Conradi L, Zeller T, **Schnabel RB,*** Heinig M.* Nat Commun. 2022;13(1):441. doi:10.1038/s41467-022-27953-1.
- 4. Exploring the incremental utility of circulating biomarkers for robust risk prediction of incident atrial fibrillation in European cohorts using regressions and modern machine learning methods.** Toprak B, Brandt S, Brederecke J, Gianfagna F, Vishram-Nielsen JKK, Ojeda FM, Costanzo S, Börschel CS, Söderberg S, Katsoularis I, Camen S, Vartiainen E, Donati MB, Kontto J, Bobak M, Mathiesen EB, Linneberg A, Koenig W, Løchen ML, Di Castelnuovo A, Blankenberg S, de Gaetano G, Kuulasmaa K, Salomaa V, Iacoviello L, Niiranen T, Zeller T, **Schnabel RB.** Europace. 2023 Jan 4;euac260. doi: 10.1093/europace/euac260. Epub ahead of print. PMID: 36610061.
- 5. Early diagnosis and better rhythm management to improve outcomes in patients with atrial fibrillation: the 8th AFNET/EHRA consensus conference.** Schnabel RB, Marinelli EA, Arbelo E, Boriani G, Boveda S, Buckley CM, Camm AJ, Casadei B, Chua W, Dagues N, de Melis M, Desteghe L, Diederichsen SZ, Duncker D, Eckardt L, Eisert C, Engler D, Fabritz L, Freedman B, Gillet L, Goette A, Guasch E, Svendsen JH, Hatem SN, Haeusler KG, Healey JS, Heidbuchel H, Hindricks G, Hobbs FDR, Hübner T, Kotecha D, Krekler M, Leclercq C, Lewalter T, Lin H, Linz D, Lip GYH, Løchen ML, Lucassen W, Malaczynska-Rajpold K, Massberg S, Merino JL, Meyer R, Mont L, Myers MC, Neubeck L, Niiranen T, Oeff M, Oldgren J, Potpara TS, Psaroudakis G, Pürerfellner H, Ravens U, Rienstra M, Rivard L, Scherr D, Schotten U, Shah D, Sinner MF, Smolnik R, Steinbeck G, Steven D, Svennberg E, Thomas D, True Hills M, van Gelder IC, Vardar B, Palà E, Wakili R, Wegscheider K, Wieloch M, Willems S, Witt H, Ziegler A, Daniel Zink M, Kirchhof P. Europace. 2023 Feb 8;25(1):6-27. doi: 10.1093/europace/euac062. PMID: 35894842; PMCID: PMC9907557.
- 6. Global Burden of Atrial Fibrillation and Flutter by National Income: Results From the Global Burden of Disease 2019 Database.** Ohlrogge AH, Brederecke J, Schnabel RB. J Am Heart Assoc. 2023 Sep 5;12(17):e030438. doi: 10.1161/JAHA.123.030438. Epub 2023 Aug 30. PMID: 37646216; PMCID: PMC10547346.
- 7. Alcohol consumption, cardiac biomarkers, and risk of atrial fibrillation and adverse outcomes.** Csengeri D, Sprünker NA, Di Castelnuovo A, Niiranen T, Vishram-Nielsen JK, Costanzo S, Söderberg S, Jensen SM, Vartiainen E, Donati MB, Magnussen C, Camen S, Gianfagna F, Løchen ML, Kee F, Kontto J, Mathiesen EB, Koenig W, Stefan B, de Gaetano G, Jørgensen T, Kuulasmaa K, Zeller T, Salomaa V, Iacoviello L, Schnabel RB. Eur Heart J. 2021;42(12):1170-1177.
- 8. Searching for Atrial Fibrillation Poststroke: A White Paper of the AF-SCREEN International Collaboration.** Schnabel RB, Haeusler KG, Healey JS, Freedman B, Boriani G, Brachmann J, Brandes A, Bustamante A, Casadei B, Crijns HJGM, Doehner W, Engström G, Fauchier L, Friberg L, Gladstone DJ, Glotzer TV, Goto S, Hankey GJ, Harbison

JA, Hobbs FDR, Johnson LSB, Kamel H, Kirchhof P, Korompoki E, Krieger DW, Lip GYH, Løchen ML, Mairesse GH, Montaner J, Neubeck L, Ntaios G, Piccini JP, Potpara TS, Quinn TJ, Reiffel JA, Ribeiro ALP, Rienstra M, Rosenqvist M, Themistoclakis S, Sinner MF, Svendsen JH, Van Gelder IC, Wachter R, Wijeratne T, Yan B. *Circulation*. 2019 Nov 26;140(22):1834-1850. doi: 10.1161/CIRCULATIONAHA.119.040267. Epub 2019 Nov 25. Erratum in: *Circulation*. 2020 Feb 25;141(8):e99. PMID: 31765261.

9. **50 year trends in atrial fibrillation prevalence, incidence, risk factors, and mortality in the Framingham Heart Study: a cohort study.** Schnabel RB, Yin X, Gona P, Larson MG, Beiser AS, McManus DD, Newton-Cheh C, Lubitz SA, Magnani JW, Ellinor PT, Seshadri S, Wolf PA, Vasan RS, Benjamin EJ, Levy D. *Lancet*. 2015;386(9989):154-62.
10. **Development of a risk score for atrial fibrillation (Framingham Heart Study): a community-based cohort study.** Schnabel RB, Sullivan LM, Levy D, Pencina MJ, Massaro JM, D'Agostino RB Sr, Newton-Cheh C, Yamamoto JF, Magnani JW, Tadros TM, Kannel WB, Wang TJ, Ellinor PT, Wolf PA, Vasan RS, Benjamin EJ. *Lancet*. 2009;373(9665):739-45.



Hamburg, March 26, 2024