

Elections to Council Nucleus and Nominating committee 2024-2026

Motivation letter: Why are you interested in joining the Council Nucleus or Nominating committee (250 words max)?

I have worked for many years now in the field of Cardio-Genetics and have great interest in the development of a professional group dedicated to Cardiovascular Genomics, to which I wish to contribute.

While I feel that collaboration with other ESC constituent bodies is very important (e.g. HFA for cardiomyopathies, EHRA for channelopathies, EACVI for multimodality imaging – all being connected to understanding CV genomics and associated pathologies), I consider it important to have in the center of it all a group of ESC scientists dedicated to the subject.

I am a Coordinator of the National Expert Center for Rare CV Diseases in Romania. I have been part of the Task Force of the 2023 GL for management of Cardiomyopathies, and have been one of the project leaders of the EACVI Imaging Toolbox for Cardiomyopathies.

I have past experience in scientific committees of the EACVI, and would like to bring it to a growing group of experts – the Council for CV Genomics.

CURRICULUM VITAE

RUXANDRA OANA JURCUT (born CIOBANU)

Institutional email: ruxandra.jurcut@umfcd.ro

Personal email: rjurcut@gmail.com

PERSONAL DATA

Nationality Romanian

Born 4 June 1975, Bucharest

Marital status Married (maiden name: CIOBANU), 2 children

Occupation **Professor** of Cardiology – Department of Cardiology, University of Medicine and Pharmacy “Carol Davila”, Bucharest Romania
Chief of 4th Dept Cardiology, Institute of Cardiovascular Diseases “Prof.dr.C.C.Iliescu”, Sos.Fundeni nr 258, 022322 Bucharest, Romania
Coordinator of the Expert Center for Rare Genetic Cardiovascular Diseases - Institute of Cardiovascular Diseases “Prof.dr.C.C.Iliescu”
PhD in Cardiology - University of Medicine and Pharmacy “Carol Davila”, Bucharest
Fellow of the European Society of Cardiology (**FESC**) and the European Association of Cardiovascular Imaging (**FEACVI**)
Cardiology consultant – 2012; Cardiology specialist - 2007

EDUCATION AND WORK EXPERIENCE

2016-present Coordinator of the **Expert Center for Rare Cardiovascular Genetic Diseases**, Institute of Cardiovascular Diseases “Prof.dr.C.C.Iliescu”, Bucharest, Romania; UMF “Carol Davila”, Bucharest

2020 Dr Habil University of Medicine and Pharmacy “Carol Davila”, Bucharest, Romania.
Coordinator of PhD thesis

2016 Health systems management certificate

2016 Level 1 **Certification in Cardiac MRI**, Euro CMR, Florence may 2016

2014 Health systems management module, SNSPMS Bucharest

2014 Transesophageal echocardiography certification (Ordin MSP Seria C nr 035414/2014)

2006-2007 **Research fellow** – Cardiac Imaging Group, Department of Cardiology, Univeristy Hospital Gasthuisberg, Catholic University Leuven, Belgium

2006-2007 **Master of Medical Imaging (Cardiac Imaging option)** – Catholic University Leuven, Belgium

2005 - present **Teaching assistant in cardiology** - Institute of Cardiovascular Diseases “Prof.dr.C.C.Iliescu”, Bucharest, Romania; UMF “Carol Davila”, Bucharest

2003-2005 **Teaching demonstrator in cardiology** - Institute of Cardiovascular Diseases “Prof.dr.C.C.Iliescu”, Bucharest, Romania; UMF “Carol Davila”, Bucharest

Nov 2001 **Clinical Research Assistant in cardiology** - Institute of Cardiovascular Diseases “Prof.dr.C.C.Iliescu”, Bucharest, Romania

Nov 2000 Internship national examination – Medical Specialties (in the top 1%) – intern in Cardiology, Bucharest

1999 Graduated from the University of Medicine and Pharmacy “Carol Davila”, Bucharest as **valedictorian** with 10/10

1997-1998 TEMPRA scholarship at the University of Medicine “Claude Bernard”, **Lyon, France**
 Apr-Jul 1995 Oxford University Medical School as a visiting student on a scholarship supported by
 TEMPUS JEP 4178
 Matriculated **member of Oxford University**

1993 **Second place** at the entrance examination for the University of Medicine and Pharmacy
 “Carol Davila”

1993 Graduated from "Sfantul Sava" National College as **valedictorian** with 9.86/10

ELECTIVE CLINICAL ATTACHMENTS

2006-2007 Research fellow Cardiac Imaging Group, Department of Cardiology,
 Univeristy Hospital Gasthuisberg, **Catholic University Leuven, Belgium**

June-Sept 2004 Visiting doctor – Department of Echocardiography of the Cardiology Hospital
 “Louis Pradel”, prof.dr. G.Derumeaux – **Lyon, France**

July 1999 Visiting Student Clerkship – Nephrology, **Mayo Clinic**, Rochester, Minnesota,
 U.S.A.

Jan-March 1998 Cardiology Department, Prof. H. Milon, Hopital de la Croix Rousse, **Lyon**,
 France – 12 weeks

Sept. 1997 Institute of Cardiology “C.C.Iliescu”, Professor E.Apetrei, Bucharest,
 Romania – 4 weeks

Sept. 1996 Internal Medicine Department, Prof. E.Popescu, “Grivita” Hospital, Bucharest,
 Romania – 3 weeks

Jul-Sept 1996 Romanian Psychoneuroendocrinology Society research grant - **Bristol**
 University School of Medicine, England

July 1995 Endocrinology Department, Prof. J.A.H.Wass, Radcliffe Infirmary, **Oxford**,
 England – 2 weeks

FIELDS OF RESEARCH INTEREST:

- Genetic cardiomyopathies
- Imaging techniques for subclinical myocardial dysfunction detection
- Cardiac and vascular adaptation during normal and pathologic pregnancy
- Right ventricular function in different pathologies; Pulmonary hypertension

SCIENTIFIC EXPERTISE

1996-2024 Coauthor of 6 books, 80 book chapter, 130 full text manuscripts, over 300 communications in
 congresses, over 30 invited conferences at national and international congresses
 Among these: 65 manuscripts published in ISI journals, 96 in Pubmed indexed journals, with
 over 2400 citations in ISI and IDB journals.
 2024 Hirsch index 22 (ISI Thompson, Web of Science)

Main publications:

1. Proposed diagnostic criteria for arrhythmogenic cardiomyopathy: European Task Force consensus report. Corrado D, Anastakis A, Basso C, Bauce B, Blomström-Lundqvist C, Bucciarelli-Ducci C, Cipriani A, De Asmundis C, Gandjbakhch E, Jiménez-Jáimez J, Kharlap M, McKenna WJ, Monserrat L, Moon J, Pantazis A, Pelliccia A, Perazzolo Marra M, Pillichou K, Schulz-Menger J, **Jurcut R**, Seferovic P, Sharma S, Tfelt-Hansen J, Thiene G, Wichter T, Wilde A, Zorzi A. Int J Cardiol. 2024 Jan 15;395:131447. doi: 10.1016/j.ijcard.2023.131447
2. 2023 ESC Guidelines for the management of cardiomyopathies. Arbelo E, Protonotarios A, Gimeno JR, Arbustini E, Barriales-Villa R, Basso C, Bezzina CR, Biagini E, Blom NA, de Boer RA, De Winter T, Elliott PM, Flather M, Garcia-Pavia P, Haugaa KH, Ingles J, **Jurcut RO**, Klaassen S, Limongelli G,

- Loeys B, Mogensen J, Olivotto I, Pantazis A, Sharma S, Van Tintelen JP, Ware JS, Kaski JP; ESC Scientific Document Group. *Eur Heart J*. 2023 Oct 1;44(37):3503-3626
3. EACVI survey on the multi-modality imaging assessment of the right heart. Soliman-Aboumarie H, Joshi SS, Cameli M, Michalski B, Manka R, Haugaa K, Demirkiran A, Podlesnikar T, **Jurcut R**, Muraru D, Badano LP, Dweck MR. *Eur Heart J Cardiovasc Imaging*. 2022 Oct 20;23(11):1417-1422. doi: 10.1093/ehjci/jeac183.PMID: 36093580 (IF 9.130)
 4. Genetic testing for cardiomyopathies-when science and health policies join in personalizing cardiovascular prevention. **Jurcut R**, Fetecău B. *Eur J Prev Cardiol*. 2022 Oct 18;29(13):1785-1788. doi: 10.1093/eurjpc/zwac160.PMID: 35915551 (IF 8.526)
 5. Chivulescu M, Lie ØH, Popescu BA, Skulstad H, Edvardsen T, Jurcut RO, Haugaa KH. **High penetrance and similar disease progression in probands and in family members with arrhythmogenic cardiomyopathy**. *Eur Heart J*. 2020 Apr 7; 41(14):1401-1410; doi: 10.1093/eurheartj/ehz570; (Online ISSN 0195-668X; IF 2019 – 22.673) - *cited by 5 highly ranked papers*
 6. Militaru S, Gingham C, Popescu BA, Saftoiu A, Linhart A, Jurcut R. **Multimodality imaging in Fabry cardiomyopathy: from early diagnosis to therapeutic targets** *Eur Heart J Cardiovasc Imaging*. 2018 Dec 1;19(12):1313-1322 (ISSN 2047-2404, Impact factor 8.336 in 2017) - *cited by 7 papers, including*
 - a. *Cosyns B, Haugaa KH, Gerber BL. The year 2018 in the European Heart Journal-Cardiovascular Imaging: Part II. Eur Heart J Cardiovasc Imaging 2018. 20(12): 1337-1344*
 7. Charron P, Elliott PM, Gimeno JR, Caforio ALP, Kaski JP, Tavazzi L, Tendera M, Maupain C, Laroche C, Rubis P, **Jurcut R**, Calò L, Heliö TM, Sinagra G, Zdravkovic M, Kavoliuniene A, Felix SB, Grzybowski J, Losi MA, Asselbergs FW, García-Pinilla JM, Salazar-Mendiguchia J, Mizia-Stec K, Maggioni AP; EORP Cardiomyopathy Registry Investigators . **The Cardiomyopathy Registry of the EURObservational Research Programme of the European Society of Cardiology: baseline data and contemporary management of adult patients with cardiomyopathies**. *Eur Heart J*. 2018; 39(20):1784-1793. doi: 10.1093/eurheartj/ehx819. Impact factor: 23.425 (2017); ISSN: 0195-668X (print); *cited by 38 papers, including*:
 - a. *Seferovic PM, Polovina M, Baersachs et al. Heart failure in cardiomyopathies: a position paper from the Heart Failure Association of the European Society of Cardiology. Eur J Heart Fail 2019; 21(5): 553-576*
 8. Giusca S, Popa E, Amzulescu MS, Ghiorghiu I, Coman IM, Popescu BA, Delcroix M, Voigt JU, Gingham C, Jurcut R. **Is right ventricular remodelling in pulmonary hypertension dependent on aetiology? An echocardiographic study**, *Echocardiography* 2016 Apr;33(4):546-54 (ISSN: 0742-2822; Impact factor 1.432 in 2015) – *cited by 26 papers*
 9. Savu O*, Jurcut R*, Giusca S, et al. **Morphological and Functional Adaptation of the Maternal Heart during Pregnancy**. *Circ Cardiovasc Imag* 2012;5(3):289-97 (Journal ISSN: 1941-9651; Impact factor 5.941 in 2011) (*equal contribution of the first 2 authors) – *cited by 195 papers*
 10. Jurcut R, Giusca S, Ticulescu R, Popa E, Amzulescu MS, Ghiorghiu I, Coman IM, Popescu BA, Voigt JU, Gingham C. **Different Patterns of Adaptation of the Right Ventricle to Pressure Overload: A Comparison between Pulmonary Hypertension and Pulmonary Stenosis**. *J Am Soc Echocardiogr*. 2011 Oct;24(10):1109-17. (ISSN: 0894-7317; Impact factor 3.707 in 2011) – *cited by 49 papers among which*
 - a. *Borgdorff et al. Distinct loading conditions reveal various patterns of right ventricular adaptation. American Journal of Physiology - Heart and Circulatory Physiology 2013*
 - b. *Bossonne et al. Echocardiography in pulmonary arterial hypertension: from diagnosis to prognosis. J Am Soc Echo 2013*
 11. Erven K, Jurcut R, Weltens C, Giusca S, Ector J, Wildiers H, Van den Bogaert W, Voigt JU. **Acute Radiation Effects on Cardiac Function Detected By Strain Rate Imaging in Breast Cancer Patients**

Int J Radiat Oncol Biol Phys. 2011 Apr 1;79(5):1444-51 (ISSN 0360-3016; Impact factor 4.503 in 2010) – cited by 106 papers, including consensus documents and guidelines among which

- a. Lancellotti et al. *Expert Consensus for Multi-Modality Imaging Evaluation of Cardiovascular Complications of Radiotherapy in Adults: A Report from the European Association of Cardiovascular Imaging and the American Society of Echocardiography.* *J Am Soc Echocard* 2013, *Eur Heart J CV Imag* 2013
- b. Thavendiranathan et al. *Use of Myocardial Strain Imaging by Echocardiography for the Early Detection of Cardiotoxicity in Patients During and After Cancer Chemotherapy: A Systematic Review.* *JACC* 2014
- c. Lipshultz et al. [Long-term cardiovascular toxicity in children, adolescents, and young adults who receive cancer therapy: pathophysiology, course, monitoring, management.](#) *Circulation* 2013

12. Jurcut R, Giusca S, La Gerche A, Vasile S, Ginhina C, Voigt JU. **The echocardiographic assessment of the right ventricle: what to do in 2010?** *European Journal of Echocardiography* 2010;11(2):81-96 (ISSN: 1525-2167; Impact factor 2.117 in 2010) – cited by 298 papers, including a guideline

- Rudski et al, *Guidelines for the echocardiographic assessment of the right heart in adults: a report from the American Society of Echocardiography, J Am Soc Echo* 2010

13. Jurcut R, Wildiers H, Ganame J, D’Hooge J, De Backer J, Denys H, Paridaens R, Rademakers F, Voigt JU. **Strain Rate Imaging Detects Early Cardiac Effects of Pegylated Liposomal Doxorubicin as Adjuvant Therapy in Elderly Patients with Breast Cancer.** *J Am Soc Echocardiogr* 2008 Dec; 21(12): 1283-1289 (ISSN: 0894-7317; Impact factor 2.256 in 2008) – cited by 200 papers, including consensus statements and guidelines:

- a. Mor-Avi et al. *Current and Evolving Echocardiographic Techniques for the Quantitative Evaluation of Cardiac Mechanics: ASE/EAE Consensus Statement on Methodology and Indications.* *J Am Soc Echo* 2011
- b. Plana et al. *Expert Consensus for Multimodality Imaging Evaluation of Adult Patients during and after Cancer Therapy: A Report from the American Society of Echocardiography and the European Association of Cardiovascular Imaging.* *J Am Soc Echo* 2014; *Eur Heart J CV Imag* 2014

14. Jurcut R, Wildiers H, Ganame J, D’hooge J, Paridaens R, Voigt JU. **Detection and Monitoring of Cardiotoxicity - What Does Modern Cardiology Offer?** *Supportive Care in Cancer* 2008 May;16(5):437-45 (ISSN: 0941-4355; Impact factor: 2.422 in 2008) – cited by 130 papers, including several consensus papers and guidelines

- Bovelli et al, *Cardiotoxicity of chemotherapeutic agents and radiotherapy-related heart disease: ESMO Clinical Practice Guidelines, Annals of Oncology* 2010
- Aapro et al, *Anthracycline cardiotoxicity in the elderly cancer patient: a SIOG expert position paper, Annals of Oncology* 2010
- Altena et al, *Cardiovascular toxicity caused by cancer treatment: strategies for early detection, The Lancet Oncology* 2009
- Barrett-Lee et al, *Expert opinion on the use of anthracyclines in patients with advanced breast cancer at cardiac risk, Annals of Oncology* 2009

PARTICIPATION IN INTERNATIONAL RESEARCH PROJECTS

1. „Cardiac metabolic reprogramming by a nutritional intervention: high fat diet for heart failure” CARDINNOV project under the ERA4HEALTH financing scheme 2024-2027. Coordinator *Centro Nacional Investigaciones Cardiovasculares Carlos III*. Role: partner coordinator

2. „Screening for ATTR cardiac amyloidosis in elderly patients with moderate and severe aortic stenosis: from diagnosis to outcome prediction” Co-directors: prof.dr Ruxandra Jurcut, dr Silviu Stanciu,

prof.dr.Bogdan A.Popescu; Global Medical Grants al Pfizer, 2021, suma totală 839.343 RON, contract nr 30211/01/11/2021 UMFCO, durata contractului 48 luni (finalizare 2025)

3. „*Risk Stratification For Arrhythmia Development And Intracardiac Thrombosis In Cardiac Amyloidosis*” Global Medical Grants al Pfizer, 2020-2021. Director: dr Ruxandra Jurcuț; suma totală 89,867.52 USD, durata contractului 12 luni (in curs)

PARTICIPATION IN CLINICAL STUDIES

- **STEP** (Studiul Epidemiologic la Hipertensivi cu Sindrom Metabolic) – 2006 (investigator asociat, sprijinit prin grant Abbott) – 2006
- **PSI E555** (A randomized, double-blind, placebo-controlled study of the safety and tolerability of E5555, and its effects on clinical events and biomarkers in patients with Non-ST-Segment elevated acute coronary syndrome) – 2008-prezent
- **AXIOM – ACS (TAK – 442-202)** A Phase 2, Double - blind, Randomized, Placebo- controlled Study of the Safety and Efficacy of Tak – 442 in Subjects With Acute Coronary Syndromes. Studiu clinic faza II (studiu internațional)
- **STABILITY**, PROTOCOL NUMBER: LPL 100601 – The stabilisation of Atherosclerotic plaque by initiation of Darapaldib therapy; Sponsor-GlaxoSmithKline. Data de incepere a studiului – martie 2009. Studiu clinic faza III (studiu internațional)
- **SOLID TIMI 52**, PROTOCOL NUMBER: SB-480848-033 – The Stabilisation of plaque using Darapladib-Thrombolysis in Myocardial Infarction 52; Sponsor – GlaxoSmithkline. Data de incepere a studiului – iulie 2010. Studiu clinic faza III (studiu internațional)
- **DAPT STUDY**, PROTOCOL NUMBER:G080186 – A prospective, multi-center, randomized, double-blind trial to assess the effectiveness and safety of 12 versus 30 months of dual antiplatelet therapy (DAPT) in subjects undergoing percutaneous coronary intervention (PCI) with either drug-eluting stent (DES) or bare metal stent (BMS) placement for the treatment of coronary artery lesions. Sponsor-Harvard Clinical Research Institute. Data de incepere a studiului-august 2010. Studiu clinic faza III (studiu internațional)
- An Open-label Pilot Study followed by a Double-blind, Randomized, Parallel-group, Placebo-controlled Phase 2 Trial of APD811, an **Oral IP Receptor Agonist, in Patients with Pulmonary Arterial Hypertension**. PROTOCOL NUMBER NCT02279160. Studiu clinic faza II (studiu internațional)
- **EMANATE**, PROTOCOL NUMBER NCT02100228: A Phase IV Trial To Assess The Effectiveness Of Apixaban Compared With Usual Care Anticoagulation In Subjects With Non-Valvular Atrial Fibrillation Undergoing Cardioversion (studiu internațional).

AFFILIATIONS

2023-present	Treasurer of the Romanian Society of Cardiology
2020-2023	Vice-president of the Romanian Society of Cardiology
2022-2023	Member of the Research Committee of the EACVI
2020-2022	Chair of the Registree Subcommittee of the European Association of Cardiovascular Imaging (EACVI)
2017-2020	Member of the board Romanian Society of Cardiology
2014-2017	President of the Working Group of Echocardiography and Other Imaging Modalities – Romanian Society of Cardiology
2014-2020	Member of the Education Committee of the EACVI
2009	Fellow of the European Society of Cardiology
2008	Member of the American Society of Echocardiography
2008	Member of the Romanian Society of Hemostasis and Thrombosis
2008	Member of the Romanian Society of Ultrasound in Medicine and Biology
2004	Member of the European Association of Echocardiography

2004	Membru al Societatii Europene de Hipertensiune Arteriala
1999	Member of the European Society of Cardiology
1999	Member of the Romanian Society of Cardiology
1995-1999	Active member of the Scientific Organization of the Medical Students (SOMS), "Carol Davila" University, Bucharest, Romania
1997	Member of the Society for Endocrinology, England

Last updated – February 16, 2024

Ruxandra Oana JURCUT