ESC
Council
Cardiovascular Genomics

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)?
Dear collegues: The study of the genetic basis and the establishment of possible genotype/phenotype correlations in inherited cardiovascular diseases (ICVD) is my research area at the Complexo Hospitalario Universitario A Coruña in Spain. Networking is fundamental in ICVD. That allows us to maintain close contact between basic and clinical research groups across different countries. Sometimes we realize that studies conducted in isolated centers cannot achieve the desired statistical power. Moreover, the integration of the activities of different clinical and basic research groups sometimes is very difficult to achieve. I think that is very important to facilitate the crea tion of large cohorts of patients with ICVD that will give rise to complete family studies with the adequate methodology and capacity to respond to the questions raised by researchers. We are living in a time in which we are witnessing new treatments for ICVD and soon there will be more treatments. We must be prepared, to be able to gather the largest number of patients with ICVD to be able to offer them clinical trials of these new treatments. My general propose is to improve diagnosis, clinical management, treatment and risk stratification in ICVD that would prevent cardiac sudden death and improve quality of life of patients. I would be more than happy to devote substantial effort in order to serve the European Council on Cardiovascular Genomics and hope for your support. Sincerely, Roberto Barriales-Villa, MD, PhD, FESC

BRIEF CURRICULUM VITAE

Roberto Barriales-Villa, MD, PhD, FESC

PLACE AND DATE OF BIRTH

Mieres del Camino (Principado de Asturias), Spain
22th August, 1966
ID card (DNI): 11069349R

PRESENT POSITION AND ADDRESS

Inherited Cardiovascular Diseases Unit Coordinator
Cardiology Service
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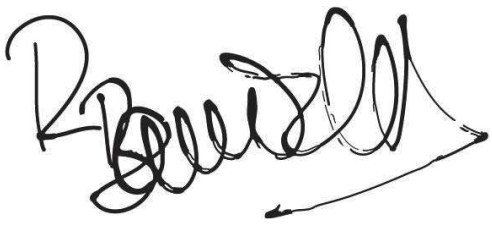

12/MAR/2024

ACADEMIC MERITS:

- 1984-1990: Graduated in Medicine at Oviedo School of Medicine (Spain)
- 11-07-1990: Medical Diploma
- 1992-1997: Cardiology Diploma
- 07-04-2000: Doctor in Medicine and Surgery by Oviedo University (Spain)

PROFESIONAL ACTIVITY:

- Since 2014: **Coordinator of the National Reference Unit for Inherited Cardiovascular Disease of the A Coruña University Hospital**. National Reference Centre accredited by Spanish Ministry of Health (CSUR) https://xxicoruna.sergas.gal/Paxinas/w.aspx?tipo=paxtab&idLista=18&idContido=7&migtab=7&idTax=12613
- Since 2014: **Coordinator of the Inherited Cardiovascular Diseases and Cardiovascular Genetic research group at Instituto de Investigación Biomédica A Coruña (INIBIC)** http://www.inibic.es/portfolio-items/cardiopatias-familiares/?portfolioCats=79
- 2007-2014: Research staff at the Cardiomyopathy Unit in Fundación Juan Canalejo (A Coruña-Galicia-Spain)
- 2006-2007: Member of the staff of the Cardiology Department at Hospital Univesitario Central de Asturias (Principado de Asturias-Spain)
- 2000-2006: Member of the staff of the Cardiology Department at Complejo Hospitalario de Pontevedra (Galicia-Spain)
- 1997-2000: Member of the staff of the Cardiology Department at Hospital Universitario San Agustín (Avilés, Principado de Asturias, Spain)

INSTITUTIONAL POSITIONS AND OTHER MERITS:

- Former coordinator of the **Research Programme (*Cardiopatías Familiares y Congénitas*) of the Cardiovascular National Network (RIC) (Subdirección General de Redes y Centros de Investigación Cooperativa) of Instituto Carlos III** (2012-2016)

- Former coordinator of the **Inherited Cardiovascular Disease and Cardiovascular genetics Working Group of the Spanish Society of Cardiology** (2016-2018).

- **Investigator of the Cardiovascular National Network (CIBER-CV)(**2016-)

- Scientific Committee of **ORPHANET-SPAIN** (CIBERER-ISCIII)(2016-)

- **Fellow** of the European Society of Cardiology (FESC) since 2002

- Member of the **"Rare Diseases Galician Committee" (SERGAS)**

EDITORIAL BOARDS

- *Revista Española de Cardiología* (**member of the Editorial Board**)

- *Orphanet Journal of Rare Diseases* (**Ex-Associated Editor of Rare Cardiovascular Diseases**)

PUBLICATIONS

More recent publications related to **INHERITED CARDIOVASCULAR DISEASES (mainly hypertrophic, dilated, right ventricular arrhythmogenic and restrictive cardiomyopathies, Fabry disease, cardiac amyloidosis, etc.**)

https://orcid.org/0000-0002-6721-3487
Scopus Author ID: 7004262971

- 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. *2023 ESC Guidelines for the management of cardiomyopathies.* **Eur Heart J. 2023** Oct 1;44(37):3503-3626. doi: 10.1093/eurheartj/ehad194.

- Martín-Álvarez E, Larrañaga-Moreira JM, Barge-Caballero G, Souto-Caínzos B, Crepo-Leiro MG, **Barriales-Villa R.** *Diagnosis of transthyretin amyloidosis in patients with established cardiomyopathy.* **Rev Esp Cardiol (Engl Ed). 2023**

- Larrañaga-Moreira JM, Rodriguez-Serrano AI, Domínguez F, Lalario A, Zorio E, **Barriales-Villa R**; Dilemma International Cardiomyopathy, Heart Failure Registry Investigators Group.*Impact of SARS-CoV-2 infection in patients with cardiac amyloidosis: Results of a multicentre registry.* **Med Clin (Barc). 2023** Dec 7;161(11):476-482.

- Del Monte-Monge A, Ruiz-Polo de Lara Í, Gonzalo P, Espinós-Estévez C, González-Amor M, de la Fuente-Pérez M, Andrés-Manzano MJ, Fanjul V, Gimeno JR, **Barriales-Villa R**, Dorado B, Andrés V. *Lamin A/C Ablation Restricted to Vascular Smooth Muscle Cells, Cardiomyocytes, and Cardiac Fibroblasts Causes Cardiac and Vascular Dysfunction.* **Int J Mol Sci. 2023** Jul 6;24(13):11172.

- Cannie DE, Syrris P, Protonotarios A, Bakalakos A, Pruny JF, Ditaranto R, Martinez-Veira C, Larrañaga-Moreira JM, Medo K, Bermúdez-Jiménez FJ, Ben Yaou R, Leturcq F, Mezcua AR, Marini-Bettolo C, Cabrera E, Reuter C, Limeres Freire J, Rodríguez-Palomares JF, Mestroni L, Taylor MRG, Parikh VN, Ashley EA, **Barriales-Villa R**, Jiménez-Jáimez J, Garcia-Pavia P, Charron P, Biagini E, García Pinilla JM, Bourke J, Savvatis K, Wahbi K, Elliott PM. *Emery-Dreifuss muscular dystrophy Type 1 is associated with a high risk of malignant ventricular arrhythmias and end-stage heart failure.* **Eur Heart J. 2023** Dec 21;44(48):5064-5073

- Escribá R, Larrañaga-Moreira JM, Richaud-Patin Y, Pourchet L, Lazis I, Jiménez-Delgado S, Morillas-García A, Ortiz-Genga M, Ochoa JP, Carreras D, Pérez GJ, de la Pompa JL, Brugada R, Monserrat L, **Barriales-Villa R,** Raya A. *iPSC-Based Modeling of Variable Clinical Presentation in Hypertrophic Cardiomyopathy*. **Circ Res. 2023** Jul 7;133(2):108-119. doi: 10.1161/CIRCRESAHA.122.321951.

- Segev A, Wasserstrum Y, Arad M, Larrañaga-Moreira JM, Martinez-Veira C, **Barriales-Villa R**, Sabbag A. *Ventricular arrhythmias in patients with hypertrophic cardiomyopathy: Prevalence, distribution, predictors, and outcome*. **Heart Rhythm. 2023 Oct;**20(10):1385-1392. doi: 10.1016/j.hrthm.2023.06.015.

- Cannie DE, Protonotarios A, Bakalakos A, Syrris P, Lorenzini M, De Stavola B, Bjerregaard L, Dybro AM, Hey TM, Hansen FG, Navarro Peñalver M, Crespo-Leiro MG, Larrañaga-Moreira JM, de Frutos F, Johnson R, Slater TA, Monserrat L, Sengupta A, Mestroni L, Taylor MRG, Sinagra G, Bilinska Z, Solla-Ruiz I, Arana Achaga X, **Barriales-Villa R**, Garcia-Pavia P, Gimeno JR, Dal Ferro M, Merlo M, Wahbi K, Fatkin D, Mogensen J, Rasmussen TB, Elliott PM. *Risks of Ventricular Arrhythmia and Heart Failure in Carriers of RBM20 Variants.* **Circ Genom Precis Med. 2023** Oct;16(5):434-441. doi: 10.1161/CIRCGEN.123.004059. Epub 2023 Aug 18.

- Green N, Chen Y, O'Mahony C, Elliott PM, **Barriales-Villa R**, Monserrat L, Anastasakis A, Biagini E, Gimeno JR, Limongelli G, Pavlou M, Omar R. *A cost-effectiveness analysis of hypertrophic cardiomyopathy sudden cardiac death risk algorithms for implantable cardioverter defibrillator decision-making.* **Eur Heart J Qual Care Clin Outcomes. 2023 Sep** 2:qcad050. doi: 10.1093/ehjqcco/qcad050.

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- de Frutos F, Ochoa JP, Gómez-González C, Reyes-Leiva D, Aróstegui JI, Casasnovas C, **Barriales-Villa R**, Sevilla T, Gonzalez-Lopez E, Ramil E, Galan L, González-Costello J, García-Álvarez A, Rojas-Garcia R, Espinosa MA, Garcia-Pavia P. *Phenotype and clinical outcomes of Glu89Lys hereditary transthyretin amyloidosis: a new endemic variant in Spain*. **Amyloid. 2022 Nov 7:1-9**.

- Gimeno JR, Olivotto I, Rodríguez AI, Ho CY, Fernández A, Quiroga A, Espinosa MA, Gómez-González C, Robledo M, Tojal-Sierra L, Day SM, Owens A, **Barriales-Villa R**, Larrañaga JM, Rodríguez-Palomares J, González-Del-Hoyo M, Piqueras-Flores J, Reza N, Chumakova O, Ashley EA, Parikh V, Wheeler M, Jacoby D, Pereira AC, Saberi S, Helms AS, Villacorta E, Gallego-Delgado M, de Castro D,

Domínguez F, Ripoll-Vera T, Zorio-Grima E, Sánchez-Martínez JC, García-Álvarez A, Arbelo E, Mogollón MV, Fuentes-Cañamero ME, Grande E, Peña C, Monserrat L, Lakdawala NK; Dilema International Cardiomyopathy and Heart Failure Registry and international SHaRe (Sarcomeric Human Cardiomyopathy Registry) Investigators group. *Impact of SARS-Cov-2 infection in patients with hypertrophic cardiomyopathy: results of an international multicentre registry.* **ESC Heart Fail. 2022 Aug;9(4):2189-2198.**

- de Frutos F, Ochoa JP, Navarro-Peñalver M, Baas A, Bjerre JV, Zorio E, Méndez I, Lorca R, Verdonschot JAJ, García-Granja PE, Bilinska Z, Fatkin D, Fuentes-Cañamero ME, García-Pinilla JM, García-Álvarez MI, Girolami F, **Barriales-Villa R**, Díez-López C, Lopes LR, Wahbi K, García-Álvarez A, Rodríguez-Sánchez I, Rekondo-Olaetxea J, Rodríguez-Palomares JF, Gallego-Delgado M, Meder B, Kubanek M, Hansen FG, Restrepo-Córdoba MA, Palomino-Doza J, Ruiz-Guerrero L, Sarquella-Brugada G, Perez-Perez AJ, Bermúdez-Jiménez FJ, Ripoll-Vera T, Rasmussen TB, Jansen M, Sabater-Molina M, Elliot PM, Garcia-Pavia P; European Genetic Cardiomyopathies Initiative Investigators. *Natural History of MYH7-Related Dilated Cardiomyopathy.* **J Am Coll Cardiol. 2022 Oct 11;80(15):1447-1461.**

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  G, Anastasakis A, Weintraub R, Biagini E, Ragni L, Prendiville T, Duignan S, McLeod K, Ilina M, Fernandez A, Marrone C, Bökenkamp R, Baban A, Kubus P, Daubeney PEF, Sarquella-Brugada G, Cesar S, Klaassen S, Ojala TH, Bhole V, Medrano C, Uzun O, Brown E, Gran F, Sinagra G, Castro FJ, Stuart G, Vignati G, Yamazawa H, **Barriales-Villa R**, Garcia-Guereta L, Adwani S, Linter K, Bharucha T, Garcia-Pavia P, Siles A, Rasmussen TB, Calcagnino M, Jones CB, De Wilde H, Kubo T, Felice T, Popoiu A, Mogensen J, Mathur S, Centeno F, Reinhardt Z, Schouvey S, O'Mahony C, Omar RZ, Elliott PM, Kaski JP; ERN GUARD-HEART*. *Relationship Between Maximal Left Ventricular Wall Thickness and Sudden Cardiac Death in Childhood Onset Hypertrophic Cardiomyopathy*. **Circ Arrhythm Electrophysiol. 2022 May** 2:CIRCEP121010075.

- Mirelis JG, Escobar-Lopez L, Ochoa JP, Espinosa MÁ, Villacorta E, Navarro M, Masnou GC, Mora-Ayestarán N, **Barriales-Villa R**, Mogollón-Jiménez MV, García-Pinilla JM, García-Granja PE, Climent V, Palomino-Doza J, García-Álvarez A, Álvarez-Barredo M, Borrego EC, Ripoll-Vera T, Peña-Peña ML, Rodríguez-González E, Gallego-Delgado M, Carrillo JG, Fernández-Ávila A, Rodríguez-Palomares JF, Brugada R, Bayes-Genis A, Dominguez F, García-Pavía P.

Combination of late gadolinium enhancement and genotype improves prediction of prognosis in non-ischemic dilated cardiomyopathy. **Eur J Heart Fail. 2022** Apr 29. doi: 10.1002/ejhf.2514.

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