



Application for the following position in the EHRA Board:
Nomintating Committee

1. Your Identity

Title: MD PhD

Family Name(s): Sarquella-Brugada

First Name(s): Georgia

Institute/Organisation: Sant Joan de Déu Barcelona Children's Hospital

Department: Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit

Address: Passeig Sant Joan de Déu, 2

Post Code/Zip: 08950

City: Esplugues de Llobregat, Barcelona

Country: Spain



2. General Curriculum Vitae (300 words max)- Please add your H index and top 10 publications in the last 5 years

Dr. Georgia Sarquella-Brugada, MD, PhD, is a pediatric cardiologist specializing in **electrophysiology, inherited cardiac diseases, and sudden cardiac death**. She is **Head of the Pediatric Arrhythmia, Inherited Heart Disease and Sudden Death Unit** at **Sant Joan de Déu Barcelona Children's Hospital**, one of Europe's leading pediatric institutions, and **Group Leader** of the **Arrhythmias and Sudden Death Research Line** at the **Sant Joan de Déu Research Institute**.

She coordinates the **Pediatric Area of the European Reference Network for Rare Cardiac Diseases (ERN GUARD-Heart)** and serves as **Chair of the Working Group on Cardiac Genetics and Basic Science** of the **Association for European Pediatric Cardiology (AEPC)**. She is also a **Board Member** of the **Council on Cardiovascular Genomics** of the **European Society of Cardiology (ESC)**, a **Board Member** of the **Cardiogenetic Committee (ECGen)** of the **European Heart Rhythm Association (EHRA)**, and a **Council Member** of the **Spanish Society of Pediatric Cardiology (SECPCC)**.

Dr. Sarquella-Brugada earned her **medical degree** from the **University of Barcelona** in 2001, where she also completed her **specialization in Pediatrics and Pediatric Cardiology**. She undertook a **fellowship in Cardiac Catheterization** at **Hôpital Sainte-Justine, Université de Montréal (Canada)**, followed by a **fellowship in Electrophysiology** at **Hospital Clínic-Sant Joan de Déu (Barcelona)**. In 2015, she obtained an **International PhD (Cum Laude)** and the **Extraordinary Doctorate Award** from the **University of Barcelona**.

She is an **Associate Professor** at the **Universities of Girona and Barcelona**, **Director** of the **Master's Program in Pediatric Cardiology**, and supervisor of multiple doctoral theses.

Her **translational research** integrates **molecular genetics, clinical electrophysiology, and telemonitoring** to enhance prevention and management of pediatric sudden death. With **over 175 scientific publications, more than 5,000 citations, and an H-index of 35**, she leads several **European multicenter initiatives**.

She is **co-founder of the patient association SAMS (Síndromes Arrítmicos Relacionados con la Muerte Súbita)** and participates actively in **humanitarian missions in Africa**.



Selected Key Publications (2020–2025)

1. Campuzano O, **Sarquella-Brugada G**, Arbelo E, Cesar S, Brugada J, Brugada R. *Genetic variants as sudden-death risk markers in inherited arrhythmogenic syndromes*. **J Clin Med**. 2020;9(6):1866.
2. **Sarquella-Brugada G**, Fernandez-Falgueras A, Toro R, Campuzano O, Brugada J. *Sudden cardiac death in pediatrics: molecular and clinical insights*. **Int J Mol Sci**. 2021;22(19):10521.
3. **Sarquella-Brugada G**, Fernandez-Falgueras A, Cesar S, Arbelo E, Coll M, Campuzano O, Brugada R. *Clinical impact of rare variants in inherited channelopathies: a 5-year update*. **Hum Genet**. 2022;141(10):1579-1589.
4. Cruzalegui J, Cesar S, Campuzano O, Fiol V, Brugada J, **Sarquella-Brugada G**. *Brugada Syndrome in women: what do we know after 30 years?* **Front Cardiovasc Med**. 2022;9:874992.
5. **Sarquella-Brugada G**, Martínez-Barrios E, Cesar S, Toro R, Cruzalegui J, et al. *Inherited arrhythmogenic syndromes in the young: role of genetic diagnosis in exercise recommendations*. **BMJ Open Sport Exerc Med**. 2024;10(3):e001852.
6. **Bonet F**, Campuzano O, Córdoba-Caballero J, Alcalde M, **Sarquella-Brugada G**, et al. *miRNA–mRNA interactome in arrhythmogenic cardiomyopathy*. **Biomedicines**. 2024;12(8):1807.
7. **Alcalde M**, Toro R, Bonet F, Córdoba-Caballero J, Vallverdú-Prats M, Brugada R, **Sarquella-Brugada G**, Campuzano O. *Role of microRNAs in arrhythmogenic cardiomyopathy*. **Transl Res**. 2023;259:72-82.
8. Martínez-Barrios E, Campuzano O, Greco A, Cruzalegui J, **Sarquella-Brugada G**. *Cardiac channelopathies in pediatrics: a genetic update*. **Eur J Pediatr**. 2024;183(11):4635-4640.
9. **Sarquella-Brugada G**, Cruzalegui J, César S, Campuzano O, Brugada R. *Inherited arrhythmogenic syndromes in children: diagnostic and therapeutic challenges*. **Front Cardiovasc Med**. 2023;10:1164028.
10. **Zanchi B**, Monachino G, Faraci FD, ..., **Sarquella-Brugada G**, Conte G. *Synthetic electrocardiograms for Brugada syndrome: from data generation to expert cardiologists' evaluation*. **Eur Heart J Digit Health**. 2025;6(4):683-687.





EHRA

European Heart
Rhythm Association

3. Describe previous experience(s) within EHRA, ESC or your National Cardiac Society

Board Member of the **Council on Cardiovascular Genomics** of the **European Society of Cardiology (ESC)**, a **Board Member** of the **Cardiogenetic Committee (ECGen)** of the **European Heart Rhythm Association (EHRA)**, and a **Council Member** of the **Spanish Society of Pediatric Cardiology (SECPCC)** finishing 2025.

4. Why are you motivated to join the EHRA Executive Board (150 words max)?

The EHRA community has been a constant source of professional growth and inspiration throughout my career. It embodies scientific excellence, collaboration, and human connection — values that have profoundly influenced my development as a pediatric electrophysiologist and researcher. EHRA has provided the environment to transform ideas into collaborative European projects, to give visibility to pediatric and genetic arrhythmia fields, and to foster an inclusive, multidisciplinary network.

Serving on the Nominating Committee would be a meaningful way to give back to this community. I see this role as one of trust, integrity, and commitment — contributing to a transparent and balanced process that identifies future leaders who truly represent EHRA's diversity and vision. I would be honored to support the Committee's mission of ensuring continuity, excellence, and inclusiveness in the selection of candidates who will guide EHRA towards an even stronger and more connected future.



5. How will you combine your EHRA position with your daily clinical/research workload?

Please note that we expect you to be:

- Active career at the time of taking office
- In clinical practice (for at least 30%) at the time of application

I currently lead a dynamic clinical and research team at Sant Joan de Déu Barcelona Children's Hospital and the Sant Joan de Déu Research Institute. My responsibilities are well supported by experienced colleagues and an organized structure that allows me to dedicate time to international collaborative work.

I am actively involved in clinical electrophysiology (over 40% of my professional activity) and maintain a strong research and academic profile. Over the years, I have successfully balanced leadership roles in AEPC, ERN GUARD-Heart, and EHRA, while ensuring clinical excellence and research productivity.

I am fully committed to dedicating the time and energy required to contribute effectively to the Nominating Committee and to uphold the high standards and transparency that EHRA represents.

6. Please list your conflicts of interest

- Direct personal payments (speaker fees, honoraria, advisory board fees, consultancy, investigator...)
 - Speaker fees (Medtronic, Biotronik, Abbott, Johnson&Johnson, Tenaya) <10 K€/year
 - Advisory board (Solid BS) <10 K€/year
- Payments to your institution (speaker fees, honoraria, advisory board fees, consultancy, activities executed by your department for the sponsor or investigator initiated and funded by an unconditional grant from the sponsor...)
 - Unconditional grant from Medtronic 7000 euros
- Receipts of royalties for intellectual property NONE



Position of influence declaration:

- Direct substantial shareholding or direct financial interest in healthcare, media, education companies or companies in relationship (suppliers or in competition with ESC or in contradiction with ESC mission)
- Employment in healthcare institution (part time or full time)
- Membership or affiliation to political/pressure group associations related to the field of cardiology
- Any potential interest related to the position applied for
- Nothing to declare
- More info at <https://www.escardio.org/The-ESC/About/Policies/esc-declaration-and-management-of-conflict-of-interest-policy>