



International Symposium on Pediatric Inherited Cardiac Disorders 14 – 16 October 2026



BRUPED NETWORKING EVENT

Management and update of Brugada
Syndrome in pediatrics



WHEN EVERY HEARTBEAT MATTERS

An advanced, practice-oriented update on emerging therapies and ultra-rare inherited arrhythmia syndromes (IAS), with a special focus on **paediatric Brugada syndrome**. The program combines state-of-the-art lectures, real-world case discussions, artificial intelligence, remote monitoring, multidisciplinary expert panels, and hands-on arrhythmia simulation sessions.

LEARNING OUTCOMES

- Improve diagnosis and clinical management of IAS
- Refine risk stratification and decisions
- Apply AI and remote monitoring
- Integrate genetics and precision medicine
- Strengthen multidisciplinary care

REGISTRATION FEES

- Full Meeting On-site. International Symposium on Pediatric Inherited Cardiac Disorders: **€200** (Residents and fellows: **€100**)
- BRUPED Networking Event: Free
- Full Meeting Online. International Symposium on Pediatric Inherited Cardiac Disorders: **€200** (Exclusive to healthcare professionals from Latin America and low and middle-income countries (LMIC): **€100**; Residents and fellows from Latin American and LMIC: **€50**)



bit.ly/Brugada_sjd

PRACTICAL INFORMATION

AIMED AT: Cardiologists, pediatricians, geneticists, nurses, researchers, residents and fellows.

DIRECTORS: Dr. Georgia Sarquella-Brugada · Dr. Estefanía Martínez-Barrios

LOCATION: Auditorium PCCB, Sant Joan de Déu Education, Calle de Santa Rosa, 39-57, 08950 Esplugues de Llobregat, Barcelona, Spain.

ACCREDITATION: European EAACME accreditation applied for (SEAFORMEC)

NEW THERAPIES IN INHERITED CARDIAC DISEASES IN CHILDREN

Chair: Dr. William J. McKenna

09:00-09:30 Gene therapy: dream or reality?

Dr. Ahmad Amin

Gene therapy

09:30-10:00 Gene Therapy for PKP2-Related Cardiomyopathy

Dr. Alessia Argirò

Gene therapy

10:00-10:30 Gene therapy in Danon Disease

Dr. Cordula Wolf

Gene therapy

10:30-11:00 Gene therapy in MYBPC3-Related Cardiomyopathy

Dr. Georgia Sarquella-Brugada

Gene therapy

11:00-11:30 Coffee break

11:30-11:50 Cardiac myosin inhibitors in children

Dr. Sergi Cesar

Clinical trials

11:50-12:10 SGLT2 inhibitors in pediatrics

Dr. Stella Pié

Clinical trials

12:10-12:30 Emerging Therapies for CPVT

Dr. Andrea Greco

Clinical trials

12:30-12:50 Understanding TANGO2 Deficiency Disorder

Dr. Agustín Luján

TANGO2

12:50-13:10 Cardiac impact of TANGO2 Deficiency Disorder

Dr. Christina Miyake

TANGO2

13:10-13:30 Anaesthetic management of patients with TDD

Dr. Montse Fontanals

TANGO2

BUILDING THE FUTURE OF PAEDIATRIC BRUGADA SYNDROME

The first European networking event dedicated to paediatric Brugada syndrome, bringing together clinicians, researchers, geneticists, data scientists, nurses, patient representatives, and early-career professionals. The program combines state-of-the-art lectures, multidisciplinary expert panels, collaborative networking, and hands-on workshops in electrocardiogram interpretation and paediatric electrophysiology, while laying the foundations of the European BRUPED Registry and the BRUPED-RISK precision medicine initiative.



This project has received funding from the European Union's Horizon Europe research and innovation programme under ERDERA programme GA N° 101156595.

WEDNESDAY, 14 · AFTERNOON

13:30-14:00 BRUPED Networking Event Welcome
Dr. Georgia Sarquella-Brugada

14:00-15:00 Lunch

Hands-on Workshop in Paediatric BrS (in parallel)

15:00-18:30 VUS Camp: Genetic Variant Interpretation

15:00-18:30 Pediatric Arrhythmias Bootcamp: Interactive ECG & Simulation

20:00 Speakers dinner

THURSDAY, 15 ·

09:00-09:30 The initial spark: how we described a new disease
Dr. Pedro Brugada

09:30-10:00 Brugada syndrome: 35 years of knowledge
Dr. Josep Brugada

10:00-10:30 The discovery of the first causing-gene
Dr. Ramon Brugada

10:30-11:00 BrS: a different disease or an earlier phenotype?
Dr. Georgia Sarquella-Brugada

11:00-11:30 Coffee break

11:30-11:50 Clinical risk factors in BrS
Dr. Elena Arbelo

11:50-12:10 Remote monitoring in pBrS
Dr. Giulio Conte

12:10-12:30 Artificial Intelligence for Brugada Syndrome detection
Dr. Francesca Faraci

12:30-12:50 Polygenic risk score in BrS
Dr. Connie Bezzina

12:50-13:10 AI-based screening for provocative testing
Dr. Beatrice Zanchi

13:10-13:30 A Digital App for pBrSManagement
Dr. Andrea Greco

13:30-13:50 The BRUPED Registry
Dr. Georgia Sarquella-Brugada

14:00-15:30 Lunch

15:30-16:30 Challenging cases in pBrS - Chairs: Josep, Pedro and Ramon Brugada
Dr. Miguel Fogaça da Mata, Dr. Jose Carlos Cruzalegui, Dr. Eliza Cintează

16:30-18:30 The Brugada Brothers' ECG masterclass
Dr. Josep Brugada · Dr. Pedro Brugada

20:00 Dinner

PROCEDURES AND DEVICES

09:00-09:20 Indications for cardioneuroablation in children
Dr. Fredy Chipa

09:20-09:40 New ICD technologies in children
Dr. Jose Carlos Cruzalegui

09:40-10:00 The challenge of miniaturization: BabyAveir
Dr. Stefano Congiu

10:00-10:20 Leadless systems for special cases
Dr. Bosco Moscoso

10:20-10:40 Lead extraction in children
Isaac Moll

10:40-11:00 MIC: intraoperative mapping
Dr. Alex Fernández

11:00-11:30 Coffee break

11:30-11:50 Ablations in newborns and infants
Dr. Georgia Sarquella-Brugada

11:50-12:10 A new era for remote monitoring
Núria Díez

12:10-12:30 Advances in genetic testing
Dr. Oscar Campuzano

12:30-12:50 Beyond basic genetics
Dr. Estefanía Martínez-Barrios

12:50-13:10 Fertility preservation and embryo selection
Dr. Valeria Donno

13:10-13:30 Hormones, sports and channelopathies
Dr. Andrea Greco

13:30-13:50 The missing piece: Why psychological care matters
Irene Zschaecck

13:50-15:00 Lunch

Hands-on Workshop in PediatricBrS

15:00-18:30 Pediatric Arrhythmias Bootcamp:
Interactive ECG & Simulation

Speakers

Dr. Agustín Luján Pediatric Arrhythmias, Genetic Cardiology and Sudden Cardiac Death, SJD Barcelona Children's Hospital, Spain.

Dr. Ahmad Amin Department of Clinical Cardiology, Heart Center, Amsterdam UMC, University of Amsterdam, The Netherlands.

Dr. Alessia Argirò Department of experimental and clinical medicine, University of Florence, Florence, Italy.

Dr. Álex Fernández Cardiac Surgery Department, SJD Barcelona Children's Hospital, Spain.

Dr. Andrea Greco Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. Beatrice Zanchi University of Applied Sciences and Arts of Southern Switzerland, Department of Innovative Technologies, Lugano, Switzerland; University of Zurich, Department of Quantitative Biomedicine, Zurich, Switzerland.

Dr. Bosco Moscoso Cardiac Surgery Department, SJD Barcelona Children's Hospital, Spain.

Dr. Christina Miyake Baylor College of Medicine and Texas Children's Hospital, Houston, USA.

Dr. Connie Bezzina Cardiovascular Sciences, Amsterdam UMC, The Netherlands.

Dr. Cordula Wolf Professor in Pediatrics, Department of Congenital Heart Disease and Pediatric Cardiology, Technical University Hospital German Heart Center, Munich, Germany.

Dr. Elena Arbelo Hospital Clínic and University of Barcelona, Spain.

Dr. Eliza Cîntează Head of the Pediatrics Department, "Carol Davila" University of Medicine and Pharmacy, "Marie Curie" Emergency Children's Hospital, Romania.

Dr. Estefanía Martínez-Barrios Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. Francesca Faraci Biomedical Signal Processing Group, MeDiTech Institute. University of Applied Sciences and Arts of Southern Switzerland (SUPSI), Switzerland.

Dr. Fredy Chipa Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. Georgia Sarquella-Brugada Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. Giulio Conte Director of Cardiac Electrophysiology and Pacing Unit, Cardiocentro Ticino Institute Lugano. Professor of Medicine, Faculty of Biomedical Sciences, Università della Svizzera Italiana, Switzerland.

Irene Zschaecck Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Isaac Moll Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. José Carlos Cruzalegui Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. Josep Brugada Professor of Cardiology, University of Barcelona, SJD Barcelona Children's Hospital and Hospital Clínic, Spain.

Dr. Miguel Fogaça da Mata Serviço de Cardiologia Pediátrica, Hospital de Santa Cruz, Lisboa, Portugal.

Dr. Montserrat Fontanals Pediatric Cardiac Anesthesiologist, Department of Anesthesia, SJD Barcelona Children's Hospital, Spain.

Núria Díez Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. Óscar Campuzano Medical Science Department, School of Medicine, University of Girona (UdG), Spain.

Dr. Pedro Brugada Senior Consultant, Cardiovascular Division, UZ Brussel, Brussels, Belgium. Director, Arrhythmia Unit, Helicópteros Sanitarios Hospital, Puerto Banus, Malaga, Spain.

Dr. Ramón Brugada Cardiovascular Genetics Center, IDIBGI, Girona, Spain.

Dr. Sergi Cesar Arrhythmia, Inherited Cardiac Diseases and Sudden Death Unit, SJD Barcelona Children's Hospital, Spain.

Dr. Stefano Congiu Cardiac Surgery Department, SJD Barcelona Children's Hospital, Spain.

Dr. Stella Pié Pediatric Cardiology Unit, Department of Pediatrics, SJD Barcelona Children's Hospital, Spain.

Dr. Valeria Donno Dexeus Fertility, Hospital Universitari Dexeus, Barcelona, Spain.

Dr. William J. McKenna Emeritus Professor of Cardiology - University College London, United Kingdom.