

# *Tenth European Society of Human Genetics Training Course on Cardiogenetics*

**May 9-12, 2026  
Antwerp, Belgium  
Auditorium Kinsbergen (route 12)  
Antwerp University Hospital (UZA)**

*This course aims at delivering up-to-date knowledge on cardiogenetics to cardiologists, genetic counselors, clinical and molecular geneticists in training or certified.*

*It creates the best opportunity for interaction and discussion with experts from all over Europe. The faculty combines experts from many fields of cardiogenetics known for their didactic skills. Participants are encouraged to present a clinical or genetic case in a Poster format for on-site discussion.*

## **Directors of the course:**

Bill Newman (United Kingdom) and Bart Loeys, Johan Saenen (Belgium)

## **PROGRAM**

### **Day 1 program: Saturday, May 9, 2026**

**THEME: BASICS IN CARDIOGENETICS**

<b>15:15 – 15:30</b>	<b>Course Introduction</b> Bill Newman & Bart Loeys
<b>15:30 – 16:00</b>	<b>A clinical geneticists' approach to inherited cardiac disorders</b> Bart Loeys
<b>16:00 – 16:30</b>	<b>Introduction to the Mystery Case</b> Johan Saenen
<b>16:30 – 17:00</b>	<b>REFRESHMENT BREAK</b>
<b>17:00 – 19:00</b>	<b>Genetic basics for Cardiologists</b> Maaïke Alaerts <b>Cardiology concepts for Geneticists</b> Johan Saenen
<b>19:00</b>	<b>SANDWICH dinner</b>

## Day 2 program: Sunday, May 10, 2026

**THEME: STRUCTURAL HEART and AORTIC DISORDERS**

**09:00 – 09:30**      **Counselling considerations in inherited cardiac disorders** [Saartje van Pottelberg](#)

**09:30 – 10:00**      **A patient perspective on cardiogenetics** [Axel Verstraël](#)

**10:00 – 11:00**      **Hypertrophic cardiomyopathy** Job Verdonchot

**11:00 – 11:30 COFFEE BREAK**

**11.30 – 12:30**      **Dilated and neuromuscular cardiomyopathy** [Job Verdonschot](#)

**12:30 – 13:00**      **Arrhythmogenic Right Ventricular Cardiomyopathy** [Pieter Koopman](#)

**13:00 – 14:00 LUNCH**

**14:00 – 15:00**      **Aortopathies** Bart Loeys

**15:00 – 16:00**      **Pathology of inherited cardiac disorders** [Joe Westaby](#)

**16:00 – 16:45**      **Mystery Case – follow-up** [Johan Saenen](#)

**16:45 – 17:15 COFFEE BREAK**

**17:15 – 18:45**      **Imaging workshop – echocardiography/Cardiac MRI**  
Tevfik Ismail -> cardiologist  
Caroline Van de Heyning/Nicol Sturkenboom -> genetics

**18:45 – 20:00**      **Case Discussion** Bart Loeys/Bill Newman/Johan Saenen

**20:00** **WALKING DINNER in UZA**

### Day 3 program: Monday, May 11, 2026

**THEME: PRIMARY ELECTRICAL DISORDERS**

**08:30 – 09:30**      **Basic concepts in Ion channel disease** Johan Saenen

**09:30 – 10:00**      **Catecholaminergic polymorphic ventricular tachycardia** [Pieter Koopman](#)

**10:00 – 10:30 COFFEE BREAK**

**10:30 – 12:00**      **Electrophysiology workshop – ECG/Ex ECG/Ajmalin/Adrenalin testing**  
 Pieter Koopman -> genetics  
 Johan Saenen -> cardiologist

**12:00 – 13:00** **Case presentations by Participants**  
Bart Loeys/ Bill Newman/Johan Saenen

**13:00 – 14:00 LUNCH**

**14:00 – 14:30**      **Next generation sequencing – different approaches** [Bart Loeys & Bill Newman](#)

**14:30 – 15:00**      **Molecular autopsy** [Bill Newman](#)

**15:00 – 16:30**      **Workshop/Quiz NGS interpretation**

Lut Van Laer – Suzan Lambin -> cardiology  
Maaïke Alaerts -> genetics

**16:30 – 17:00 COFFEE BREAK**

**17:00 – 18:00** Keynote lecture - Past, present and future perspectives in Long QT Syndrome and sudden cardiac death management - [Peter Schwartz](#)

**18:00 – 18:30** Mystery Case – conclusion [Johan Saenen](#)

**18:45** Bus transfer to Hof Van Liere

**19:30** COURSE DINNER AT Hof Van Liere (faculty club)

## **Day 4 program: Tuesday, May 12, 2026**

**THEME: CONGENITAL HEART DISEASE**

**08:30 – 09:30** Heart embryology [Marco De Ruyter](#)

**09:30 – 10:00** Genetics of Congenital Heart Disease [Bert Callewaert](#)

**10:00 – 10:30** iPSC approaches to understand inherited cardiac disorders [Maaïke Alaerts](#)

**10:30 – 11:00 COFFEE BREAK**

**11:00 – 11:45** Polygenic risk scores for inherited cardiac disease [Sean Zheng/James Warre](#)

**11:45 – 12:30** Syndromic/metabolic inherited cardiac disorders [Marije Meuwissen](#)

**12:30 – 13:00** Management of inherited cardiac disorders in competitive and leisure athletes [Hein Heidbuchel](#)

**13:00 – 14:00 LUNCH**

**14:00 – 15:00** Case presentation – [Bill Newman/Bart Loeys/Johan Saenen](#)

**15:00** END OF COURSE [Bart Loeys/Johan Saenen](#)