

October 2-5, 2021
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 0 program: Saturday, October 2nd, 2021

THEME: *BASICS IN CARIOGENETICS*

15:30 – 15:45	Course Introduction
15:45 – 16:15	A clinical geneticists' approach to inherited cardiac disorders
16:15 – 16.45	Counselling considerations in inherited cardiac disorders
16:45 – 17:15	A patient perspective on cardiogenetics
17:15 – 17:45	REFRESHMENT BREAK
17:45– 19:30	Genetic basics for Cardiologists Cardiology concepts for Geneticists

DAY 1 program: Sunday, October 3rd, 2021

THEME: *STRUCTURAL HEART and AORTIC DISORDERS*

09:00 – 10.00	Hypertrophic cardiomyopathy
10.00 – 11.00	Dilated Cardiomyopathy

11:00 – 11:30 COFFEE BREAK

11.30 - 12.00 Arrhythmogenic Right Ventricular Cardiomyopathy

11:30 – 12:30 Aortopathies

13:00 – 14:00 LUNCH

14:00 – 15:00 Key Note Lecture:

15:00 – 16:30 Pathology of inherited cardiac disorders with application of artificial intelligence

16:30 – 17:00 COFFEE BREAK

17:00 – 18:30 Imaging workshop – echocardiography/Cardiac MRI

18:30 – 19:30 Case Discussion

20:00 WALKING DINNER in UZA

DAY 2 program: Monday, October 4th, 2021

THEME: PRIMARY ELECTRICAL DISORDERS

08:30 – 09:00 Developing an inherited cardiac service

09:00 – 09:30 Basic concepts in Ion channel disease

09:30 – 10:15 Long & Short QT Syndromes

10:15 – 10:45 Catecholaminergic polymorphic ventricular tachycardia

10:30 – 11:00 COFFEE BREAK

11:15 – 11:45 J-wave Syndromes

11:45 – 13:00 Electrophysiology workshop – ECG/Ex ECG/Ajmalin/Adrenalin testing

13:00 – 14:00 LUNCH

14:00 – 14:30 Next generation sequencing – different approaches

14:30 – 15:00 Molecular autopsy

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

16:30 – 17:00 COFFEE BREAK

17:00 – 18:15 Case presentations by Participants

18:15 Bus transfer to Hof Van Liere

19:00 COURSE DINNER AT Hof Van Liere (faculteitsclub)

DAY 3 program: Tuesday, October 5th, 2021

THEME: CONGENITAL HEART DISEASE

08:30 – 09:30 Heart embryology

09:30 – 10:00 Genetics of Congenital Heart Disease

10:00 – 10:30 iPSC approaches to understand inherited cardiac disorders

10:30 – 11:00 *COFFEE BREAK*

11:00 – 11:45 Syndromic/metabolic inherited cardiac disorders

11:45 – 12:15 Neuromuscular cardiomyopathy

12:15 – 13:00 Management of inherited cardiac disorders in competitive and leisure athletes

13:00 – 14:00 *LUNCH*

14:00 – 15:00 Case presentation –

15:00 END OF COURSE