

**May 11-14, 2020
Manchester, UK
Manchester Conference Centre, Pendulum Hotel**

This course aims at delivering up-to-date knowledge on cardiogenetics to cardiologists, genetic counselors, cardiac nurses, 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. Participants are encouraged to present a clinical or genetic case for on-site discussion.

Directors of the course:

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

PROGRAM

Day 1 program: Monday, May 11th, 2020

THEME: BASICS IN CARDIOGENETICS

15:30 – 15:45	Course Introduction Bill Newman & Bart Loeys
15:45 – 16:15	A clinical geneticists' approach to inherited cardiac disorders Bart Loeys
16:15 – 16:45	Counselling considerations in inherited cardiac disorders Natalie Moreton, Manchester
16:45 – 17:15	A patient perspective on cardiogenetics tbc
17:15 – 17:45	REFRESHMENT BREAK
17:45– 19:30	Genetic basics for Cardiologists Kay Metcalfe (Manchester) & Maaïke Alaerts (Antwerp) Cardiology concepts for Geneticists Johan Saenen
20:00	DINNER in Manchester

DAY 2 program: Tuesday, May 12th, 2020

THEME: BASICS IN CARDIOGENETICS

THEME: STRUCTURAL HEART and AORTIC DISORDERS

09:00 – 10.00	Hypertrophic cardiomyopathy Chris Miller, Manchester
10.00 – 11.00	Dilated Cardiomyopathy James Ware, Imperial College/Brompton Hospital London
11.00 - 11.30	Coffee

- 11:30 - 12:00 Arrhythmogenic Right Ventricular Cardiomyopathy – Matt Schmitt, Manchester
- 11:30 – 12:30 Aortopathies Bart Loeys

13:00 – 14:00 LUNCH

- 14:00 – 15:00 Key Note Lecture *title and speaker tbc*
- 15:15 – 16:30 Pathology of inherited cardiac disorders
Jan Lucas Robertus, St Georges, London

16:30 – 17:00 COFFEE BREAK

- 17:00 – 18:30 Imaging workshop – echocardiography/Cardiac MRI
Matthias Schmitt - for cardiologists
Caroline Van de Heyning (Antwerp) - for geneticists
- 18:30 – 19:30 Case Discussion Bart Loeys/James Ware/Johan Saenen

20:00 DINNER in Manchester

DAY 3 program: Wednesday, May 13th, 2020

THEME: PRIMARY ELECTRICAL DISORDERS

- 08:30 – 09:00 Developing an inherited cardiac service Ed Blair, Oxford
- 09:00 – 09:30 Basic concepts in Ion channel disease Johan Saenen
- 09:30 – 10:15 Long & Short QT Syndromes Johan Saenen
- 10:15 – 10:45 Catecholaminergic polymorphic ventricular tachycardia Luigi Venetucci, Manchester

10:45 – 11:15 COFFEE BREAK

- 11:15 – 11:45 J-wave Syndromes Matt Daniels, Manchester
- 11:45 – 13:00 Electrophysiology workshop
Johan Saenen - genetics
Luigi Venetucci/Matt Daniels - cardiologists

13:00 – 14:00 LUNCH

THEME: GENETIC TESTING

- 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
James Eden and team, Manchester > genetics
Vicky Mackay, Liverpool > cardiology

16:30 – 17:00 COFFEE BREAK

- 17:00 – 18:15 Case presentations by Participants
Bart Loeys/ Bill Newman/Johan Saenen

19:00 COURSE DINNER AT xx

DAY 4 program: Thursday, May 14th, 2020

THEME: CONGENITAL HEART DISEASE

08:30 – 09:30 **Heart embryology** [Marco De Ruiter, Amsterdam](#)

09:30 – 10:15 **Genetics of Congenital Heart Disease** [Bernard Keavney](#)

10:15 – 10:45 **COFFEE BREAK**

THEME: PEDIATRICS, PREGNANCY AND SPORT

10:45 – 11:30 **Paediatric/neonatal diagnosis of cardiomyopathy** [Kay Metcalfe](#)

11:30 – 12:15 **Management of inherited cardiac disorders in competitive and leisure athletes** [Aneil Malhotra, Manchester](#)

12:15 – 1:00 **Inherited cardiac disorders in pregnancy** [Bernard Clarke, Manchester](#)

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](#)