

16. DHZB Lange Symposium

In GENE-ious Cardiology Genetics of Congenital Heart Disease

Preliminary Program

Saturday, September 19, 2020

08:30 Opening

09:00 Welcome and "Warm up"

Keynote Lecture

09:15 Inherited Cardiovascular Disease

Perry Elliott

I. Basic Principles of Genetics

09:45 Cytogenetics and copy number variants in CHD

Eva Klopocki

10:05 Clinical interpretation of next generation sequencing (NGS) data

Lorenzo Monserrat

10:25 Distinct genetic architecture for non-syndromic and syndromic CHD

Marc-Philipp Hitz

10:45 Family or SNPs: what counts for hereditary risk of coronary artery disease?

Heribert Schunkert

11:05 Break

II. Syndromes and Complex Inherited Disease

11:35 Syndromic CHD with monogenic cause

Uwe Kornak

11:55 Genetic contributors to Tetralogy of Fallot

Silke Rickert-Sperling

12:15 RASopathies - clinical and molecular analysis

Giuseppe Limongelli

12:35 Heterotaxy syndrome - genetic cause and phenotypic spectrum

Anwar Baban

12:55 Conclusion of the session

13:10 Lunch

III. Cardiomyopathies

14:40 Risk stratification in childhood HCM	Juan Pablo Kaski
15:00 LVNC and DCM - what is the connection?	Sabine Klaassen
15:20 Myocarditis-related CMP - molecular analysis and prognosis	Carsten Tschöpe
15:40 Storage disease - clinical diagnosis and enzyme replacement therapy	Natalie Weinhold
16:00 Conclusion of the session	

16:15 Break

IV Social, Practical and Ethical Aspects, Biobanking

Keynote Lecture

16:45 Technology Transfer - is Europe on the way out?	n.n.
17:15 Fetal diagnosis and implications for genetic testing	Rabih Chaoui
17:35 Practical guideline to genetic testing - what is the future?	Brenda Gerull
17:55 European Registries - the need for biobanking?!	Thomas Pickardt
18:15 Conclusion of the session	

18:30 **Get Together**

Sunday, September 20, 2020

V Sunday Morning Highlight Lecture

09:30 The meaning of "the right not to know"

Christian Lenk

VI Inherited Arrhythmias

10:00 Channelopathies as causes of SCD - how certain are we?

A.S. Amin

10:20 Device therapy

Björn Peters

10:40 Novel molecular targets for atrial fibrillation therapy

n.n.

11:00 Conclusion of the session

11:15 Coffee Break

VII. Vessels / Aortopathy Syndromes / PHT

11:45 Genetic diagnostics of inherited aortic diseases

Yskert von Kodolitsch

12:05 Genetic regulation of vascular network formation

n.n

12:25 Vascular health determinants in children

Renate Oberhoffer

12:45 PPARgamma activation: a potential treatment for pulmonary hypertension

Georg Hansmann

13:05 Conclusion of the session

13:20 Lunch Break

Keynote Lecture

14:20 Individual personalised risk prediction

John Deanfield

VIII. Novel Technologies for Inherited Diseases "DZHK-Session"

14:50 Remodelling of the heart proteome in cardiac disease

Philipp Mertins

15:10 Bioinformatics - omics data processing and integration

Dieter Beule

15:30 Gene therapy for pediatric cardiomyopathy

Giulia Mearini

15:50 Conclusion of the session

16:05 Closing remarks

16:10 End

Changes to the program may be necessary