Supported by
CRC 992
Medical Epigenetics

Institute of Experimental and Clinical Pharmacology and Toxicology
Faculty of Medicine
University of Freiburg
Albertstrasse 25
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Registration:
www.pharmakologie.uni-freiburg.de

Sponsored by

2nd Cardiovascular Epigenetics Conference
Freiburg/Breisgau, Germany

Program

September 24th-25th, 2018

Lecture Hall, Otto-Krayer-Haus
Albertstr. 25, 79104 Freiburg/Breisgau
Germany
Monday, September 24th, 2018

9:00  Registration and poster setup

10:00  Welcome address: Lutz Hein (Freiburg, Germany)

Session I: RNA modifications, transcription and (epi)genetics
Chairperson: Yibin Wang

10:15  Federica Accornero (Columbus, USA)
RNA methylation in the regulation of cardiac hypertrophy

10:45  Saptarsi Haldar (San Francisco, USA)
Targeting transcription control mechanisms in cardiometabolic disease

11:15  Gianluigi Condorelli (Milano, Italy)
Epigenetics in cardiovascular disease

11:45  Roger Foo (Singapore)
Functional genetic variants from cardiac epigenetics

12:15 Lunch

Session II: Chromatin structure and function
Chairperson: Assam El-Osta

14:00  Len Pennacchio (Berkeley, USA)
In vivo studies of human genome function

14:30  Tom Vondriska (Los Angeles, USA)
Remodeling the epigenome in heart failure

15:00  Ralf Gilsbach (Freiburg, Germany)
Dynamics of 3D chromatin architecture in cardiac myocyte development and failure

15:30 Coffee break

Session III: Epigenetics in cardiac development and congenital heart disease
Chairperson: Len Pennacchio

16:00  Bruce Gelb (New York, USA)
The role of epigenetics in causing congenital heart defects

16:30  Markus Krane (Munich, Germany)
HLHS - Beyond no flow no growth

17:00  Sebastian Preissl (San Diego, USA)
Chromatin organization dynamics in human cardiac myocyte development

17:30 Welcome reception and poster session

Tuesday, September 25th, 2018

Session IV: Epigenetics and metabolism
Chairperson: Tim McKinsey

9:00  Assam El-Osta (Melbourne, Australia)
Emerging epigenetic concepts in metabolic disease

9:30  Christoph Maack (Würzburg, Germany)
Metabolic alterations in hereditary cardiomyopathies

10:00  Johannes Backs (Heidelberg, Germany)
Control of cardiac function by HDAC4-dependent changes in glucose metabolism

10:30 Coffee break

Session V: Cardiac epigenetics and beyond
Chairperson: Gianluigi Condorelli

11:00  Llew Roderick (Leuven, Belgium)
DNA methylation in ageing

11:30  Bernd Fleischmann (Bonn, Germany)
Plasticity in the neonatal and adult heart

12:00  Achim Lother (Freiburg, Germany)
Mineralocorticoid receptor as regulator of endothelial cell transcriptome and function

12:30 Lunch break and poster session

Session VI: Epigenetic targets
Chairperson: Roger Foo

14:00  Yibin Wang (Los Angeles, USA)
Discovery of epigenetic modulators

14:30  Tim McKinsey (Denver, USA)
Epigenetic regulation of cardiac fibroblast activation and senescence

15:00  Manfred Jung (Freiburg, Germany)
Chemical tools to study the lysine acetylome

15:30 Coffee break

Session VII: Epigenetics in development and cancer
Chairperson: Saptarsi Haldar

16:00  Sebastian Arnold (Freiburg, Germany)
Regulation of first embryonic cell fate decisions by Tbx-factors

16:30  Roland Schüle (Freiburg, Germany)
The novel histone methyltransferase KMT9 controls castration-resistant prostate cancer

17:00  Lutz Hein (Freiburg, Germany)
Future perspectives for cardiovascular epigenetics