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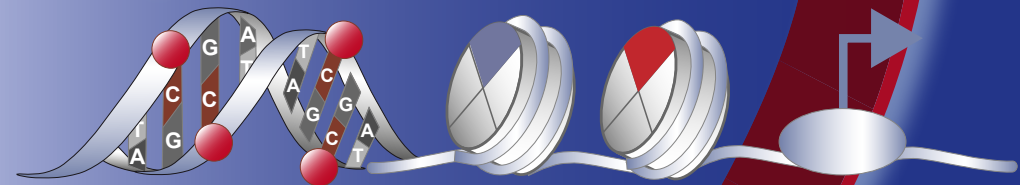
# 2<sup>nd</sup> Cardiovascular Epigenetics Conference



Freiburg/Breisgau, Germany

Program

September 24<sup>th</sup>-25<sup>th</sup>, 2018



Lecture Hall, Otto-Krayer-Haus  
Albertstr. 25, 79104 Freiburg/Breisgau  
Germany

## Monday, September 24<sup>th</sup>, 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 25<sup>th</sup>, 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