



Cardiac RNA-Mediated (Re)programming

**AGORA Research Center
Lausanne, Switzerland
March 9-10, 2023**

March 9

08:45 Introduction Thierry Pedrazzini (Lausanne, Switzerland)

Session 1: Chromatin Regulation and Epigenetic

09:00 Raffaella Santoro (Zurich, Switzerland)
Genome organization and function

09:45 Manuel Rosa-Garrido (Birmingham, USA)
Remodeling Chromatin Structure as a New Therapeutic Avenue for Heart Failure

10:30 Coffee break

11:00 Ralf Gilsbach (Heidelberg, Germany)
Decoding and steering cardiomyocyte enhancers

11:45 Francesco Paneni (Zurich, Switzerland)
Epigenetic Control of Inflammation in Heart Failure with Preserved Ejection Fraction

12:30 Lunch break

Session 2: Transcriptome analysis in disease and repair

14:00 Michael Alexanian (San Francisco, USA)
Modulating Cell States in Heart Disease

14:45 Daniel Andergassen (Munich, Germany)
Uncovering the missing X factors to understand sex bias in cardiovascular disease

15:30 Coffee break

16:00 Monika Gladka (Amsterdam, The Netherlands)
Single-cell sequencing to identify cardiac repair mechanisms

16:45 Andrea Caporali (Edinburgh, UK)
miRNAs control of revascularisation and vascular diseases

17:30 End Day 1



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March 10

Session 3: Noncoding RNA-mediated mechanisms

09:00	Rory Johnson (Dublin, Ireland) CRISPR-powered discovery of non-coding RNA therapeutic vulnerabilities
09:45	Marco Marcia (Grenoble, France) Dissecting biological mechanisms and folding dynamics of medically-relevant large non-coding RNAs
10:30	Coffee break
11:00	Parisa Aghagolzadeh (Basel, Switzerland) Single-cell RNA-Sequencing analysis of the long noncoding RNA transcriptome in cardiac fibroblasts
11:45	Mauro Giacca (London, UK) RNA therapeutics for cardiac repair
12:30	Lunch break
14:00	Student workshops with speakers
16:00	End Day 2

The meeting is free of charge but registration is mandatory; please register prior to February 15 via <https://tinyurl.com/RNA-Lausanne2023>

The UNIL-FBM doctoral school attributes max. 1.25 ECTS to doctoral candidates for participation (0.5 ECTS for participation in the talk sessions only & 0.75 ECTS for workshop participation).

The event will be submitted for accreditation as 1.5 days of continuing education by the Society of Swiss Veterinaries GSTSVS.

Organizers: Thierry Pedrazzini & Ulrike Toepel (UNIL)

Contact: ulrike.toepel@unil.ch