

Cardiac RNA-Mediated (Re)programming

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

March 9

08:45	Introduction	Thierry Pedrazzini (Lausanne, Switzerland)
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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)

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