



Cardiovascular Research Meeting 2019

14-15 March 2019

Swiss Integrative Center for Human Health SA, Fribourg

Meeting Booklet

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SSC/SSCS JOINT ANNUAL MEETING 2019

19 – 21 June 2019, Congress Centre Kursaal Interlaken



www.cardio-congress.ch

JOINT ANNUAL MEETING

Swiss Society of Cardiology (SSC)

Swiss Society of Cardiac Surgery (SSCS)

PARTNER SOCIETIES

Swiss Society of Paediatric Cardiology (SSPC)

Swiss Hypertonia Society (SHS)

Swiss Cardiovascular Therapists (SCT)

Swiss Association for Nursing Science (ANS)

Swiss Society of Perfusion (SSoP)

TABLE OF CONTENTS

Program overview	04
Visit of the SICHH facilities	10
Abstracts	11
Space for notes	63
Directions to the meeting dinner	65
Organizers	66
Sponsors	67

Program Overview

Thursday, 14th March 2019

09:00-10:00

Registration and Welcome Coffee

10:00-10:05

**Welcome note: President of the LS2
Intersection Cardiovascular Biology:
Marie-Noelle Giraud**
(University of Fribourg)



10:05-10:15

**Welcome note:
Jean-Marc Brunner**
(CEO Swiss Integrative Center for Human Health
(SICHH))

Session 1 :

Heart failure
Chairs: Ernst Niggli + Duilio Michele Potenza

10:15-11:00

Keynote 1: Peter Kohl
(University Heart Center, Freiburg)
"Non-Canonical Roles of Cardiac Non-Myocytes"

11:00-12:30

Plenary session 1:

11:00-11:30

Ange Maguy (University of Bern)
"Cardiac Fibroblasts & Arrhythmias "

11:30-12:30

Four talks selected from abstracts

Paola Occhetta (University Hospital Basel)
*"A microfluidic model to study the interaction
between cardiomyocytes and fibroblasts in cardiac
scar formation"*

Duilio Michele Potenza (University of Bern)
*"Activation of endogenous PP1 enhances calcium
spark activity in wild type cardiomyocytes"*

Eve Rigal (Laboratory PEC2)

"Long-term impact of postnatal nutritional programming on cardiac sensitivity to ischemia-reperfusion injury in vivo and on cardio-protective pathways in mice"

Maria Nieves Sanz

(University of Bern)

"Mitochondrial damage-associated molecular patterns in heart transplantation with donation after circulatory death: studies in an isolated rat heart model"

12:30 – 12:35

Britta Gerlach

(OLS – OMNI Life Science GmbH)

"Every Beat counts. Meet the Latest Tools for Cell Culture, Maturation and Analysis of Cardiomyocytes"



12:35-13:15

Lunch break & Optional visit to SICHH facilities



Session 2 :

Atherosclerosis

Chairs: Marie-Luce Piallat + Antonija Sakic

13:15-14:15

Keynote 2: Cathy Shanahan

(King's College London)

"Molecular links between vascular smooth muscle cell ageing and calcification"

14:15-15:15

Poster session 1 & Coffee break

15:15-16:45

Plenary session 2:

15:15-15:45

Christophe Scheiermann (CMU Geneva)

"Circadian rhythms in leukocyte-blood vessel interactions"

15:45-16:45

Four talks selected from abstracts

Sandrine Morel (University of Geneva)
“Gender differences in the resolution of intraluminal thrombosis in a rat aneurysm model”

Luis Miguel Cardoso Dos Santos
(University of Geneva)
“Role of smooth muscle cells in atherosclerosis: a matter of S100A4”

Kapka Miteva (University of Geneva)
“Cardiotrophin-1 Deficiency Abrogates Atherosclerosis Progression”

Sara Oppi (University of Zurich)
“Protective function of macrophage Nuclear Receptor Corepressor 1 in atherosclerosis development”

17:00-17:45

Workshop:

Samia Hurst (University of Geneva)
“Ethics: a very quick introduction”

Introduced by Christophe Montessuit

17:45-18:30

**Cardiovascular Working group:
General Assembly**

20:00

Meeting Dinner

(upon registration)
Hôtel-Restaurant Au Sauvage
Planche-Supérieure 12
1700 Fribourg
0041 26 347 30 60
info@hotel-sauvage.ch
www.hotel-sauvage.ch

Please find the directions to the restaurant on page 65!

Friday, 15th March 2019

Session 3 : **Immune system and cardiovascular systems**
Chairs: Nathalie Rosenblatt + Inês Borrego

08:45-09:30 **Keynote 3: Lucas Liaudet**
(CHUV Lausanne)
"The multiple facets of post-MI inflammation"

09:30-10:30 **Poster session 2 & Coffee break**

10:30-12:00 **Plenary session 3:**

10:30-11:00 **Gabriela Kania**
(University Hospital Zurich)
"Cardiac fibrotic models"

11:00-12:00 **Four talks selected from abstracts**

Karim Brandt (University of Geneva)
"Follicular regulatory helper T cells control the response of regulatory B cells to a high-cholesterol diet"

Anne Jomard (ETH Zurich)
"Functional Characteristics and Molecular Mechanisms of Bile Acids Signaling in the Endothelium"

Luca Liberale (University of Zurich)
"Endothelial SIRT6 exerts a beneficial role in cerebral ischemia / reperfusion injury by preserving blood-brain barrier integrity"

Andrea Uccelli (University of Basel)
"Beyond pericytes - PDGF-BB accelerates vascular stabilization by stimulating the Semaphorin3A/Neuropilin1+ monocyte axis"

12:00-13:00

Lunch break

13:00-13:30

Poster Award Session

Session 4 :

Cardiac repair

Chairs: Andrea Banfi + Andrea Uccelli

13:30-14:15

Keynote 4: Mauro Giacca (ICGEB, Trieste)

"Innovative biotherapeutics for cardiac repair and regeneration"

14:15-14:30

Coffee break

14:30-16:00

Plenary session 4:

14:30-15:00

Katrien De Bock (ETH Zurich)

"Endothelial metabolism in the muscle"

15:00-16:00

Four talks selected from abstracts

Anne-Charlotte Bon

(University Hospital Lausanne)

"BNP modulates cardiomyocyte proliferation in vitro and in vivo"

Inês Borrego (University of Fribourg)

"Bone Marrow-Derived Cell-based therapy modulate macrophage polarization and cardiomyocyte proliferation to trigger heart regeneration after myocardial infarction"

Maryam Kay (University of Lausanne)

"A newly identified lncRNA controls cardiogenic differentiation and maturation in embryonic stem cells"

Marcos Sande (University of Bern)

"Adult sox10+ cells contribute to myocardial regeneration in the zebrafish"

16:00-16:15

Award Ceremony

Best oral presentations

Best Posters

16:15-16:20

Closing remarks Marie-Noelle Giraud

Visit of the SICHH Facilities



SICHH has 4 facilities with high-performance equipment available. Visit our Biomolecular, Materials, Digital Health and Tech Facilities and our last-generation material:

- Atomic Force Microscopy - AFM
- Automated Plate Reader
- Confocal Microscope
- Droplet Digital PCR
- High Resolution Mass Spectrometry
- Morphologically-directed Raman
- Sequencers
- Super Computing
- Widefield Confocal Microscope

Visits will take place during lunch time on Thursday 14th and Friday 15th. Sign up for one of them at the registration desk!

Notes

Notes

Directions to the meeting dinner

Hôtel-Restaurant Au Sauvage

Planche-Supérieure 12

1700 Fribourg

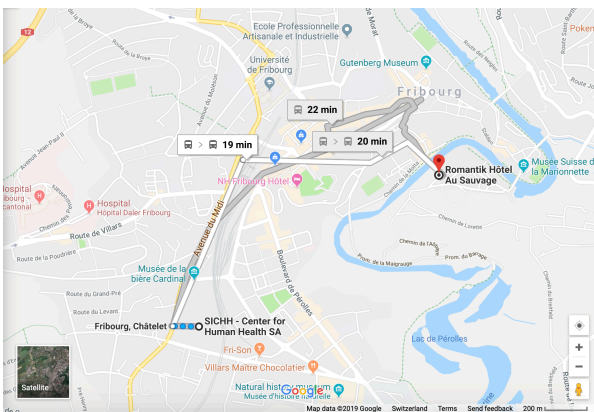
0041 26 347 30 60

info@hotel-sauvage.ch

www.hotel-sauvage.ch

- 7:03 PM ○ SICHH - Center for Human Health
SA
Passage du Cardinal 13, 1700 Fribourg
- 7:04 PM ○ Fribourg, Châtelet
336 Fribourg, gare routière
8 min (non-stop)
Service run by Service d'automobiles TPF
- 7:12 PM ○ Fribourg, gare routière
4 Fribourg, Auge Sous-Pont
6 min (3 stops) - Platform 12
Service run by Service d'automobiles TPF
- 7:16 PM ○ Fribourg, gare routière
- 7:20 PM ○ Fribourg, Neuveville/Motta
- 7:21 PM ○ Fribourg, Neuveville/Court-Ch.
- 7:22 PM ○ Fribourg, Eglise-St-Jean
- 7:22 PM ● Romantik Hôtel Au Sauvage
Planche-Supérieure 12, 1700 Fribourg

Plan of the bus connection



Organizers

The Executive Committee of the LS² intersection Cardiovascular Biology

Marie-Noelle Giraud (University of Fribourg), *president*

Andrea Banfi, University Hospital Basel, *vice-president*

Marie-Luce Bochaton-Piallat, University of Geneva

Christophe Montessuit, University of Geneva

Nathalie Rosenblatt (CHUV Lausanne)

Stephan Winnik, University Hospital Zurich

Christian Zuppinger, University Hospital Bern

Ernst Niggli, University of Bern



Life Sciences Switzerland (LS²)

Carolin von Schoultz (Scientific Officer)

Elena Cardenal (Scientific Officer)

Jacqueline Oberholzer (Executive Secretary)

...and our freelance support:

Dagmar Bocakova (design, bocakova@gmail.com),

Dominique Ritter (administration), **Michael Vögeli** (IT)



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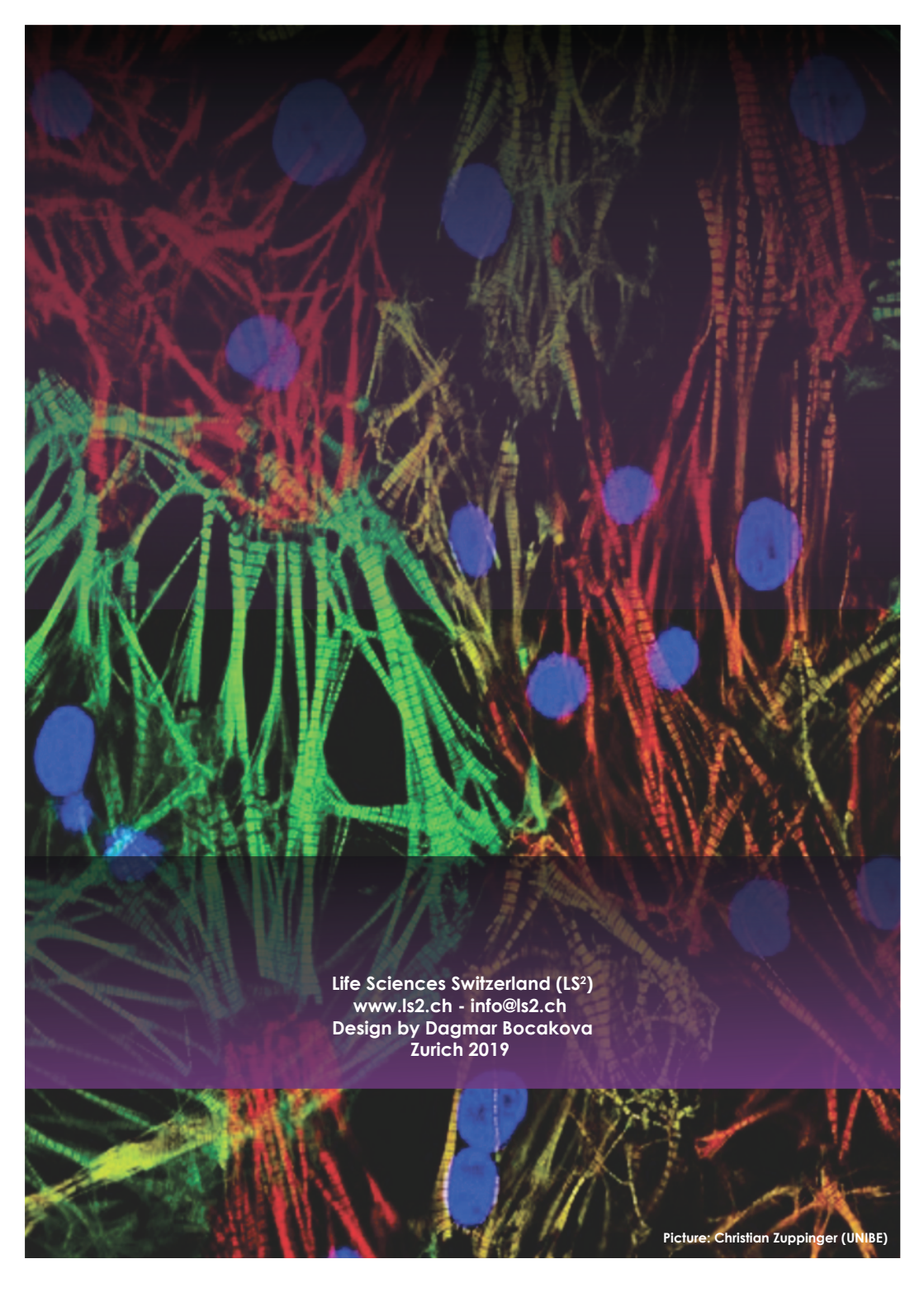


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