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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)

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Program Overview

Thursday, 14th March 2019

09:00-10:00

11:00-11:30

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" **Plenary session 1:** 11:00-12:30

Registration and Welcome Coffee

"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"

Ange Maguy (University of Bern)

Eve Rigal (Laboratory PEC2)

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

Maria Nievez 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 - 12:35Britta Gerlach

(OLS - OMNI Life Science GmbH) "Every Beat counts. Meet the Latest Tools for Cell Culture, Maturation and Analysis of Cardiomyocytes"



Lunch break & Optional visit 12:35-13:15

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"

Poster session 1 & Coffee break 14:15-15:15

Plenary session 2: 15:15-16:45

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

<u>Please find the directions to the restaurant on page 65!</u>

Friday, 15th March 2019

Session 3: Immune system and cardiovascular systems

Chairs: Nathalie Rosenblatt + Inês Borrego

108:45-09:30 <u>Keynote 3:</u> Lucas Liaudet

(CHUV Lausanne)

"The multiple facets of post-MI inflammation"

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

10:30-12:00 <u>Plenary session 3:</u>

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"

Lunch break 12:00-13:00

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:**

Katrien De Bock (ETH Zurich) 14:30-15:00

"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 <u>Award Ceremony</u>

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 Spectometry
- 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



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





<u>Life Sciences Switzerland (LS²)</u>

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Elena Cardenal (Scientific Officer)
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...and our freelance support:
Dagmar Bocakova (design, bocakova@gmail.com),
Dominique Ritter (administration), Michael Vögeli (IT)



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