



**Tuesday October 29, 2019**

**Olympic Museum - Quai d'Ouchy 1, 1006 Lausanne**

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*LIMNA Symposium:*

*Emerging topics and technologies in metabolism*

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**Organizing Committee:** Prof. Francesca Amati, Prof. Carles Cantó Alvares,  
Prof. Roberto Coppari, Prof. Bart Deplancke, Prof. Lluís Fajás, Prof. Nelly Pitteloud,  
Prof. Bernard Thorens, Prof. Kei Sakamoto, Prof. Kristina Schoonjans and  
Dr Marta Bellone

## Program

### 8h30-9h00 Welcome and distribution of badges

#### Opening

9h00 Bart Deplanche

*Welcome*

#### Session I

Chair: Bart Deplanche

9h10 Susanne Mandrup

*Transcriptional networks and epigenomic mechanisms driving lineage-determination of human mesenchymal stem cells*

9h45 Samuel Nobs

*On the microbiome and precision dieting*

10h20 Reyhan Sonmez Flitman

*Integrating expression data into metabolome-wide GWAS identifies genes involved in the modulation of the metabolite concentration*

### 10h35 Coffee Break

#### Session II

Chair: Kristina Schoonjans

10h55 Arvand Haschemi

*Exploring Metabolic Configurations of Single Cells in Situ*

11h30 Jorge Ferrer

*Genetic mechanisms underlying diabetes: insights from the noncoding genome*

12h05 Flash poster presentations

*45" per poster*

**12h35 Lunch****13h20 Poster session****Session III**

Chair: Lluís Fajas

14h20 Ganna Panasyuk

*The novel mechanisms of metabolic control by class 3 PI3K*

14h55 Zoltan Kutalik

*Disentangling the causes and consequences of metabolic diseases using large scale genetic studies*

15h30 Dassine Berdous

*Unbiased genetic screening in BXD recombinant mice unraveled Crat as a new regulator of insulin content*

**15h45 Coffee Break****Session IV**

Chair: Francesca Amati

16h05 Ana Rodriguez Sanchez-Archidona

*A systems biology analysis of the crosstalk between liver and pancreatic  $\beta$ -cell function through plasma lipids*

16h20 Nele Gheldof

*From GWAS to function: identification of ALK as a candidate thinness gene*

16h35 Karine Clément

*Where the study of adipose tissue transcriptome in obesity has brought us?*

**17h10 Concluding remarks and prizes distribution**

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