

Tuesday, March 17, 2015
SwissTech Convention Center, Lausanne

Third LIMNA Symposium

Organizing Committee: Prof. J. Auwerx, Prof. B. Desvergne, Prof. L. Fajas, Prof. F. Pralong, Prof. L. Tappy, Prof. B. Thorens, Dr. L. Descamps and Prof. Kei Sakamoto from Nestlé Institute of Health Sciences (guest organizing committee member).

Keynote Speakers

Prof. François Pralong

Service of Endocrinology, Diabetology and Metabolism, CHUV

Prof. Kei Sakamoto

Nestlé Institute of Health Sciences, Lausanne

8h30-9h00 Welcome and distribution of badges

Opening

9h00 **Lluis Fajas**
Welcome

Morning session:

Chairman: Lluis Fajas

9h15 keynote lecture: **François Pralong (CHUV)**
« Impact of nutritional status on human reproduction »

10h00 **Laura Lukjanenko (Nestlé Institutes of Health Sciences)**
« Cross-talk between regeneration and ectopic adipogenesis in muscle aging »

10h20 **Nicholas Broskey (Department of Physiology, UNIL)**
« Lipotoxicity: does it matters where the lipids are located in skeletal muscle ? »

10h40 Coffee break

Chairman: Johan Auwerx

11h00 **Keir Menzies (Laboratory of Integrative and Systems Physiology, EPFL)**
« NAD⁺ repletion improves the Mdx mouse muscle phenotype by countering increased levels of PARylation »

11h20 **Vannini Nicola (Institute of Bioengineering, EPFL)**
« Nicotinamide riboside is a potent stimulator of hematopoietic progenitor compartments »

11h40 **Kulkarni Sameer (Nestlé Institutes of Health Sciences)**
« Mfn1 deficiency in the liver enhances mitochondrial biogenesis and protects against insulin resistance »

12h00 **Duarte Joao (Laboratory for Functional Metabolic Imaging, EPFL)**
« Alterations of brain morphology and energy metabolism underlying memory deterioration in insulin-resistant Goto-Kakizaki rats »

12h20 Lunch and Poster session

Afternoon session

Chairman: François Pralong

14h15 keynote lecture: **Kei Sakamoto (Nestlé Institutes of Health Sciences)**
« *LKB1-AMPK -dependent and -independent pathway in the control of glucose metabolism* »

15h00 **Mang Géraldine (CIG, UNIL)**
« *A neuron-specific deletion of the microRNA-processing enzyme DICER induces severe but transient obesity in mice* »

15h20 **Serge Ducommun (Nestlé Institutes of Health Sciences)**
« *Motif affinity and mass spectrometry proteomic approach for the discovery of cellular AMPK targets* »

15h40 **Rachana Pradhan (Institute of Bioengineering, EPFL)**
« *Identifying novel transcriptional regulators of brown fat cell differentiation* »

16h00 Coffee break

Chairman: Kei Sakamoto

16h20 **Hikari Yoshihara (Cardiology, CHUV, CIBM)**
« *Hyperpolarized [1-13C]octanoate: an in vivo probe of myocardial beta-oxidation* »

16h40 **Laura Steinbusch (CIG, UNIL)**
Sex differences in glucokinase-dependent hypothalamic glucose sensing

17h00 Concluding remarks and awards