

## Lausanne Integrative Metabolism and Nutrition Alliance (LIMNA)

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### Program

09:00	Welcome –Lluis Fajas Coll
09:15	AMP-activated protein kinase: regulating energy balance at the cellular and whole body levels <i>Prof. D. Graham Hardie</i> - University of Dundee, Scotland, UK
09:50	System Biology of Human Obesity <i>Prof. Philippe Froguel</i> – University Lille 2, FR
10:25	Coffee break
10:45	Mitonuclear protein balance as a determinant of health- and lifespan <i>Prof. Johan Auwerx</i> - EPFL
11:10	Nervous glucose sensing and the control of pancreatic islets mass and function <i>Prof. Bernard Thorens</i> – CIG, UNIL
11:35	From bad to good: the need of fat in development and homeostasis <i>Prof. Beatrice Desvergne</i> – CIG, UNIL
12:00	Fructose-induced metabolic syndrome: from animal models to human nutrition <i>Prof. Luc Tappy</i> – DP, UNIL
12:25	LUNCH
14:00	Cell cycle regulators are key effectors of energy homeostasis <i>Prof. Lluis Fajas Coll</i> – DP, UNIL
14:25	FGF21 as a link between metabolism and reproduction <i>Prof. Nelly Pitteloud</i> - CHUV
14:50	RBM10: an alternative splicing regulator that sets the circadian period length in mice <i>Prof. David Gatfield</i> – CIG, UNIL

- 15:15 Resistance to diet-induced obesity and associated metabolic perturbations in haploinsufficient monocarboxylate transporter 1 mice  
**Prof. Luc Pellerin** – DP, UNIL
- 15:30 Effect of physical fitness and training on skeletal muscle mitochondria in the elderly  
**Chiara Greggio, Post-doc** – Lab. Dr Francesca Amati – DP, UNIL
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- 15:45 Coffee Break
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- 16:00 IGF-2 as an autocrine regulator of beta-cell plasticity in insulin resistance and ageing  
**Honey Modi, PhD student** - Lab Prof. Bernard Thorens – CIG, UNIL
- 16:15 SIRT7 Regulates Mitochondrial Homeostasis via the deacetylation and activation of GABP $\beta$ 1  
**Dr. Dongryeol Ryu** - Lab. Prof. Johan Auwerx - EPFL
- 16:30 Emerging Roles of Non-Coding RNAs in the Control of  $\beta$ -Cell Functions  
**Prof. Romano Regazzi** – DNF, UNIL
- 16:45 Diabetic nephropathy in a new mouse model of lipodystrophy  
**Barbara Toffoli, Post-doc** - Lab. Prof. Beatrice Desvergne – CIG, UNIL
- 17:00 E2F1  $-/-$  mice are protected to diabetes-induced liver steatosis.  
**Pierre-Damien Denechaud, Post-doc** - Lab. Prof. Lluís Fajas Coll – DP, UNIL
- 17:15 The caspase-3/p120 rasgap stress-sensing module controls stress regulated metabolism switch  
**Güliz Vanli, PhD student**- Lab. Christian Widmann – DP, UNIL
- 17:30 NDNF as a novel gene underlying GnRH deficiency  
**Dr Sara Santini** - Lab. Prof. Nelly Pitteloud - CHUV