Lausanne Integrative Metabolism and Nutrition Alliance (LIMNA) SEMINAR

Monday November 25, 2013
11.00am

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“Understanding the genotype to phenotype transformation for cholesterol regulation using a network based approach”

Hosts : Kristina Schoonjans and Johan Auwerx
Conference Room: AI 1153
EPFL - Lausanne

Abstract
Cellular cholesterol regulation is a biological process underlying the complex diseases of elevated blood lipid levels and cardiovascular disease in humans. Recent Genome-wide association studies (GWAS) have identified many associated loci in the genome. However, how the proteins encoded in these loci interact functionally in order to lead to a complex phenotype is currently unknown. In this talk, I will outline how we are combining state of the art targeted mass-spectrometry and modeling in order to understand better the complex network of cholesterol regulation.