ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

UNIL | Université de Lausanne

Centre hospitalier universitaire vaudois

Lausanne Integrative Metabolism and Nutrition Alliance (LIMNA) SEMINAR

Monday November 25, 2013

11.00am

Dr. Peter BLATTMANN

Institute of Molecular Systems Biology, Group of Pr. Ruedi Aebersold, ETH, Zurich

"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.

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