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Global Health Institute RECRUITING SEMINAR

Intestinal microbiota in regulation of energy homeostasis

Tuesday, August 25th, 2015 – 13h30
EPFL – room SV1717a

Mirko Trajkovski, PhD

Department of cell physiology and metabolism, University of Geneva

Host: Prof. Stewart Cole

Abstract:

Food intake, energy expenditure and body adiposity are homeostatically regulated, and malfunctions of this balance can cause obesity. The intestinal microbiota co-develops with the host, and its composition is influenced by several physiological changes, including obesity and pregnancy. We are interested on the role of the gut microbiota in the development of metabolic diseases, primarily dyslipidaemia and insulin resistance, and in particular the response of the host to the changes in the gut microbiota composition. A deeper understanding of these axes is a prerequisite for optimising therapeutic strategies to manipulate the gut microbiota and the host response to combat disease and improve health.