

Graduate Schools
Infection Immunity and Cancer, UniGe & UniL: CUS
Biology & Medicine, CMU

Seminars in Microbiology

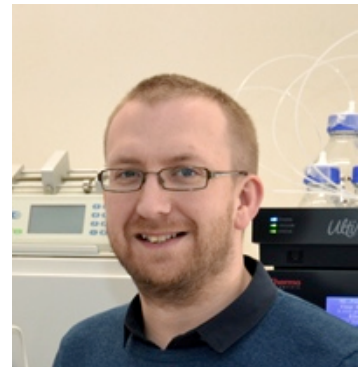
Monday, 22th September, 2014

Salle de séminaire 7172, CMU

11:30 – 12:30

James MacRae

Division of Parasitology, MRC National Institute for
Medical Research, Mill Hill, LONDON



Energy and lipid metabolism in apicomplexan parasites – routes for drug therapy?

Dr James MacRae is Head of Metabolomics at NIMR. James is an expert in metabolomics, the measurement of the thousands of low molecular weight metabolites in a biological system. Together these comprise the metabolome, which can be regarded as the physiological 'end-point' of the products of the genome, transcriptome, and proteome. As such, the metabolome can provide a sensitive snap-shot of the physiology of the cell (or biofluid) and how it is impacted by environmental and genetic factors.

Recent publications:

Oppenheim et al., PLoS Pathog. 2014 Jul 17;10(7):e1004263.
MacRae et al., Mol Microbiol. 2014 Feb;91(4):762-76.
MacRea et al., BMC Biol. 2013 Jun 13;11:67.
MacRae et al., Cell Host Microbe. 2012 Nov 15;12(5):682-92.

Contact: D. Soldati-Favre
Sandwiches will be offered after the seminar