

Graduate Schools
Infection & Immunity and Biology & Medicine

Seminars in Microbiology

Monday, 2nd June, 2014

Salle de séminaire 7172, CMU

11:30 – 12:30

Prof. Dr. Matthias Horn

Department of Microbiology and Ecosystem Science
Division of Microbial Ecology, University of Vienna



Chlamydiae in the environment – How the analysis of non-model organisms can challenge long-standing knowledge

Matthias Horn explores the genome evolution, metabolism and development of *Chlamydiae*, along with the molecular interactions of obligate intracellular pathogens with their hosts, specifically symbiotic protists. His pioneering studies reveal amoeba as an important reservoir of chlamydial pathogens, a new type of bacterial cell wall in *Chlamydiae* and anabolic activity within the infectious cell type, a dispersal cell long thought to be metabolically inert.

Selected recent publications:

Schulz et al (2014) ISME J., doi: 10.1038/ismej.2014.5.

Lagkouvardos et al, (2014) ISME J., 8: 115-125.

Pilhofer et al (2013) Nat Commun. 2013;4:2856. doi: 10.1038/ncomms3856.

Sixt et al (2013) PLoS Pathog, 9(8):e1003553.

Contact: P. Viollier

Sandwiches will be offered after the seminar