Dear Colleagues,

we would like to invite you to a special talk by

**CHANTAL DE CHASTELLIER**
Centre d’Immunologie de Marseille-Luminy

Reversible lipid accumulation and associated division arrest of *Mycobacterium avium* in lipoprotein (VLDL)-induced foamy macrophages may resemble key events during latency and reactivation of tuberculosis

**Thursday, February 21st, 13:00 s.t. – Seminar Room CMMC**

Chantal de Chastellier is a senior researcher in Jean-Pierre Gorvel’s team. The group is interested in characterizing the host-pathogen interaction mechanisms that allow bacteria to establish a long lasting life inside the host. Dr. Chastellier is a cell biologist and electron microscopy expert. Her main interest is to decipher the cellular and molecular mechanisms of survival of pathogenic mycobacteria during the active (replication) and dormant phases of the disease. In Mycobacterium, the tight interaction between the membrane of the phagosome and the bacterium is involved in the arrest of the Mycobacterium-containing vacuole. Cholesterol is essential to maintaining this interaction. *Mycobacterium avium* induces the differentiation of phagocytes into foamy macrophages. In this type of macrophages, bacteria accumulate lipid inclusions in their cytoplasm, which serve as an energy storage compartment.

We would be delighted, if you would join us for this exciting talk.

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If you want to meet with Chantal de Chastellier before or after the talk, please contact Pia Hartmann @ 478-5470 or pia.hartmann@uk-koeln.de