

Invitation to the “PaP” PhD Seminar

We would like to kindly invite you to the presentation of **Dr. Gregor Grass**, Bundeswehr Institute of Microbiology, Dept. of Bacteriology and Toxinology, Munich, Germany

Date: **4 December 2018, Tuesday**

Time: **5:00 p.m. (s.t.)**

Room: **lecture hall M**

Title: “*Bacillus anthracis* ”

Abstract:

The highly pathogenic, Gram-positive bacterium *Bacillus anthracis*, the causative agent of the zoonotic disease anthrax, will be featured. Topics covered will be pathogenicity of the bacterium, its natural life-cycle, culture-based identification methods, immunological detection and nucleic acid based differentiation. Additionally, the Bundeswehr Institute of Microbiology will be introduced as a German federal research institution which is part of the CBRN competence center of the medical services.

Dr. Gregor Grass is head of the *Bacillus anthracis* research group at the Bundeswehr Institute of Microbiology, a specialist research establishment for medical biological defense of the German Federal Ministry of Defense in Munich. Current research in Dr. Grass' group focuses on (i) the development of a tool-box utilizing specific bacteriophage proteins for identification and enrichment of *B. anthracis*, (ii) epidemiological phylogenetic analysis of *B. anthracis* by molecular typing (including genomics) and (iii) establishing of a novel, combined digital-PCR/Fluorescence-in-situ-hybridization (dPCR/FiSH) method for the sensitive detection of *B. anthracis*.