



Colloquium

Institute Colloquium: Regulation of dynamic cell polarity in bacteria

Lotte Søgaard-Andersen

Max Planck Institute

Host:

The function of cells critically depends on the proper spatial organization of their components with proteins and other macromolecules targeted to defined subcellular locations. In eukaryotes as well as in bacteria this organization, i.e. cell polarity, forms the basis for key cellular processes, such as cell shape determination, differentiation, regulation of chromosome dynamics and cytokinesis as well as motility. Despite the immense importance of cell polarity, the mechanisms responsible for its establishment are still poorly understood. Using the rod-shaped cells of the bacterium *Myxococcus xanthus* we are investigating how bacteria establish and maintain cell polarity to regulate motility. I will present data demonstrating how two small Ras-like GTPases function together with the cytoskeleton in these processes

Monday, March 17, 2014 04:30pm - 05:30pm

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: <https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.