EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN

Mathematisch-Naturwissenschaftliche Fakultät

The Department of Microbiology - Organismic Interactions at the Interfaculty Institute of Microbiology and Infection Medicine (IMIT), University of Tübingen, offers a

PhD position

in Microbiology

with the topic **"Molecular mechanisms of Cell Differentiation in Filamentous Cyanobacteria"**

Several filamentous cyanobacteria survive harsh environmental conditions like low temperature, low light and starvation by formation of spore like cells, called akinetes. The regulatory mechanism underlying this process, morphological aspects of differentiation and spore germination and the mechanisms of survival will be studied in this project. Molecular genetics, biochemical and cell biological methods, like high resolution microscopy, will be used.

The project is part of the **"Research Training Group 1708 (GRK1708): Molecular Principles of Bacterial Survival Strategies"**, supported by the Deutsche Forschungsgemeinschaft.

The **IMIT** and the **Department of Microbiology - Organismic Interactions** offer an international research environment involving researchers of several institutes with state of the art facilities for excellent research. The PhD position will be accompanied by the "Interfaculty Graduate School of Infection Biology and Microbiology".

The ideal candidate should hold a master´s degree in biology, microbiology or biochemistry with experience in molecular biological techniques, biochemical methods, bacterial culturing and microscopy. Highest motivation, creativity and enthusiasms in experimental work are expected and independent way of working is desirable.

The DFG funding is available for 3 years (E13, 50-65%).

Applicants should send their applications (detailed CV and short motivation letter) as single pdf (max. 2 MB) and contact address of two referees at the latest on August 30 to the following email address: iris.maldener@uni-tuebingen.de.

PD Dr. Iris Maldener
IMIT/Organismische Interaktionen
Universität Tübingen
Auf der Morgenstelle 28
72076 Tübingen
iris.maldener@uni-tuebingen.de