

The students of the Marburg School of Microbiology, as well as the Graduate School of the Collaborative Research Center 766 at the University of Tübingen, welcome you to Marburg. This year's **„Spotlight Meeting“** is being held at the Max Planck Institute (MPI) for Terrestrial Microbiology. The MPI was founded in 1991 and aims to understand how microorganisms function at the molecular, cellular and community levels.

The **Marburg School of Microbiology** offers an internationally visible PhD programme with excellent research and training possibilities for young scientists. It is located at the Philipps-Universität Marburg and the study program is designed in close collaboration with the LOEWE Center for Synthetic Microbiology (SYNMIKRO) and the Collaborative Research Center 987.

The **Collaborative Research Center 987** at the Philipps-Universität Marburg comprises 17 research groups which contribute to scientific progress in all areas of modern Microbiology, including Microbial Ecology and Physiology, Cellular and Molecular Microbiology, Microbial Biochemistry, Structural Biology and Systems and Synthetic Biology.

21 projects in which the scientists are investigating different aspects of the biology of the bacterial cell envelope are part of the **Collaborative Research Center 766** at the Eberhard Karls Universität Tübingen. They are located at various departments of Mathematics and Natural Sciences at the University, the University Hospital and at the Max Planck Institute of Developmental Biology.



Marburger  
Universitätsbund e.V.  
Ursula-Kuhlmann-Fonds



Attendance is free but registration is required!

Please register online at [www.sfb987.de](http://www.sfb987.de)

Registration closes on September 15<sup>th</sup> 2017

**For more information please contact us:**

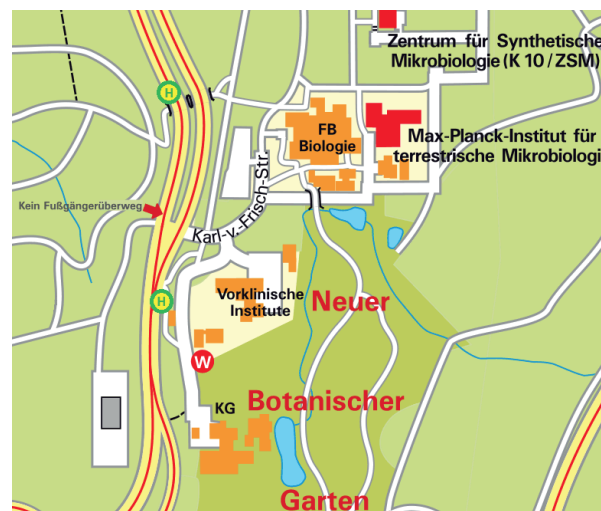
[sfb987@biologie.uni-marburg.de](mailto:sfb987@biologie.uni-marburg.de)

Phone: +49-6421 28 22224

**Address of the venue:**  
Max Planck Institute for  
Terrestrial Microbiology  
Karl-von-Frisch-Straße 10  
35043 Marburg



Code leads you to Google Maps



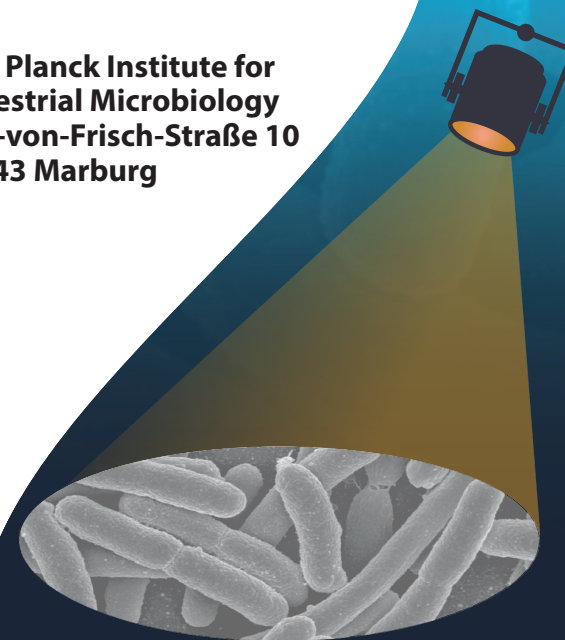
# Spotlight on Microbiology

Organised by the



**Thursday  
November 23<sup>rd</sup> 2017**

**Max Planck Institute for  
Terrestrial Microbiology  
Karl-von-Frisch-Straße 10  
35043 Marburg**



8:30 - 9:15 **Registration**

9:15 - 9:30 **Opening remarks**  
by speakers of the Graduate Schools  
Marburg & Tübingen

**Session 1 - „Mechanisms of antibiotic resistance“**  
Chair: Sandra Unsleber - SFB766

9:30 - 10:00 **Mariana G. Pinho**  
(Nova University of Lisbon, Portugal)  
**What controls the localization of cell wall  
synthesis in *Staphylococcus aureus*?**

10:00 - 10:30 **Isabelle Broutin**  
(Paris Descartes University, France)  
**RND efflux pumps as bacterial resistance  
mechanisms: from the 3D structure to  
the understanding of the function**

10:30 - 11:00 **Coffee break**

**Session 2 - „Nucleotides and second messengers“**  
Chair: Neda Farmani - SFB987

11:00 - 11:30 **Vasili Hauryliuk**  
(Umeå University, Sweden)  
**The interface between (p)ppGpp  
signalling and RNA-protein interactions**

11:30 - 12:00 **„Meet the Industry“**

**Mathias Grün**, CEO of Jena Bioscience, will give  
insights into ongoing work in industry

12:00 - 13:30 **Lunch break & „Meet the Speaker“**

Get in touch with the speakers in an informal  
atmosphere during lunch time.

**Session 3 - „Prokaryotic macromolecular structures“**  
Chair: Shilpa George - SFB766

13:30 - 14:00 **Bertrand Beckert**  
(University of Hamburg, Germany)  
**Coping with stress...  
On the bacterial ribosome**

14:00 - 14:30 **Martin Pilhofer**  
(ETH Zurich, Switzerland)  
**Bacterial cell-cell interactions mediated by  
contractile injection systems**

14:30 - 15:00 **Coffee break**

**Session 4 - „Metabolic engineering of bacteria“**  
Chair: Doreen Hinkel - SFB987

15:00 - 15:30 **Sven Panke**  
(ETH Zurich, Switzerland)  
**Synthetic biology between directed  
evolution and forward design**

15:30 - 16:00 **Michael Bott**  
(Jülich Research Centre, Germany)  
**Biosensor-based screening for useful  
variants of an anaplerotic enzyme**

16:00 - 16:15 **Short break**

**Session 5 - „Interspecies interactions of prokaryotes“**  
Chair: Lina Thoma - SFB766

16:15 - 16:45 **Amelia-Elena Rotaru**  
(University of Southern Denmark, Denmark)  
**Mutualistic interspecies interactions via  
direct electron transfer**

16:45 - 17:45 **„Meet the Editor“**

**Ieva Gailite**, EMBO journal editor, will give insights into  
the processes of scientific publishing.

17:45 - 18:00 **Concluding remarks**  
by speakers of the Graduate Schools  
Marburg & Tübingen

18:00 **Dinner & poster session**  
→ Science with fingerfood