

Eintritt frei

Montag
24. Februar 2020
18.00 Uhr

Öffentlicher Abendvortrag im Rahmen der
Vortragsreihe „Molekulare Grundlagen des Lebens“

Professor Dr. Wolfgang R. Hess

The world of non-coding RNAs in pathogenic and non-pathogenic bacteria



A typical bacterial cell is using several hundreds of different small regulatory RNAs (sRNAs), exceeding the numbers of two-component systems and other regulatory proteins. Bacterial sRNAs are very heterogeneous in lengths, secondary structures and modes of action making their full characterization challenging. Examples from two very different types of bacteria, the human pathogen *Staphylococcus aureus* and an environmentally relevant photosynthetic cyanobacterium, will be used to illustrate recent breakthroughs and trends in characterizing the functions and global impact of these versatile regulators of gene expression.

Wolfgang Hess studied biology in Rostock and Berlin and graduated in plant genetics from Humboldt University Berlin. Following post-doctoral phases at Humboldt University, the FMI in Basel, the CNRS in Roscoff, France and the Massachusetts Institute of Technology in Cambridge, U.S., he was appointed as funding director of a spin-off from New England Biolabs near Boston, U.S., from 2003 to 2004. Since 2004 Wolfgang Hess works at the University of Freiburg (Germany), since 2008 as full professor for Genetics and Experimental Bioinformatics.

Moderation: Professor Dr. Uwe Völker



Alfried Krupp Wissenschaftskolleg Greifswald
Greifswald, Martin-Luther-Straße 14

Stiftung Alfred Krupp Kolleg Greifswald · 17487 Greifswald
Telefon 03834 420 - 5001 · Telefax 03834 420 - 5005
www.wiko-greifswald.de · info@wiko-greifswald.de