

Bad Honnef Physics School

Supported by the Wilhelm and Else Heraeus-Foundation

Physics of Bacteria

August 4 - 9, 2019, Physikzentrum Bad Honnef, Germany

Organised by

Ulrich Gerland (Technical University of Munich)

For PhD and Master Students

Speakers and Topics

Rosalind Allen (University of Edinburgh)
- Models for bacterial physiology

Ariel Amir (Harvard)
- Single-cell growth laws / cell cycle

Markus Basan (Harvard Med. School)
- Metabolism & Physiology

Ilka Bischofs (MPI Marburg)
- Bacterial endospores

Tobias Bollenbach (Univ. zu Köln)
- Antibiotic stress and resistance

Knut Drescher (MPI Marburg)
- Bacterial multicellular dynamics & advanced imaging

Erwin Frey (LMU München)
- Pattern formation & Intracellular positioning systems

Ethan Garner (Harvard)
- Establishment and maintenance of cell shape

Ulrich Gerland (TU München)
- Growth transitions, starvation & bacterial fitness

Oskar Hallatschek (University of California at Berkeley)
- Evolutionary dynamics

Ralf Heermann (Univ. Mainz)
- Introduction to Bacteriology

Stephan Klumpp (Univ. Göttingen)
- Gene expression

Berenike Maier (Univ. zu Köln)
- Physics of bacterial colonies

Lars Renner (Leibniz Institute for Polymer Research Dresden)
- Microfabrication and Microbiology

Sven van Teeffelen (Pasteur Institute, Paris)
- Mechanics of the cell envelope & Intracellular crowding

Fees:

Covering full board and lodging at the Physikzentrum Bad Honnef
200 € (for DPG members 100 €).

Application & more information: www.pbh.de



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