Of moths, mites and microbes - The role of bacteria in the life history of two arthropod herbivores

Staudacher, H.

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Author contributions

Variability of bacterial communities in the moth Heliothis virescens indicates transient association with the host
HEIKE STAUDACHER, Martin Kaltenpoth, Johannes A.J. Breeuwer, Steph B.J. Menken, David G. Heckel & Astrid T. Groot
HS, MK & ATG planned the experiments, HS conducted experiments, HS analysed the data, HS, MK, JAJB, DGH, SBJM & ATG wrote the manuscript

Sex-specific trade-offs between immune response and reproduction in a moth
Andrea Barthel*, HEIKE STAUDACHER*, Antje Schmaltz, David G. Heckel & Astrid T. Groot
AB, HS, DGH & ATG planned the experiments, AB & AS conducted the experiments, HS analysed the data, AB, HS, DGH & ATG wrote the manuscript
*Contributed equally to this study

Effects of immune challenge on the oviposition strategy of a noctuid moth
HEIKE STAUDACHER, Steph B.J. Menken & Astrid T. Groot
HS & ATG planned the experiments, HS conducted the experiments and analysed the data, HS, SBJM & ATG wrote the article

The bacterial symbionts Wolbachia, Cardinium and Spiroplasma affect gene expression and survival of their spider mite host and impact distinct induced responses in plants
HS, BCJS, ATG, & MRK planned the experiments, BCJS, HS & MML conducted the experiments, HS & NW analysed the data, HS, BCJS, ATG & MRK wrote the manuscript
*Contributed equally to this study
Author addresses

University of Amsterdam, Institute for Biodiversity and Ecosystem Dynamics, Science Park 904, 1098 XH Amsterdam, The Netherlands

Max Planck Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745 Jena, Germany
Andrea Barthel, Astrid T. Groot, David G. Heckel, Martin Kaltenpoth, Antje Schmaltz

Johannes Gutenberg University, Department for Evolutionary Ecology, Johann-Joachim-Becher-Weg 13, 55128 Mainz, Germany
Martin Kaltenpoth

Erasmus MC, Department of Viroscience, Wytemaweg 80, Ee 1726, 3015 CN Rotterdam, The Netherlands
Mart M. Lamers
Biography

Heike Staudacher was born on the 30th of January, 1982 in Schramberg, Germany. She obtained the Abitur at the Gymnasium Schramberg in 2001. After the Abitur, Heike studied media informatics for one semester and took a 1-year course in digital film directing at the SAE in Amsterdam. In 2004, she started her studies of Biology at the Free University in Berlin, with paleontology, zoology and genetics as minors and ecology as major subject. She conducted her Diploma thesis at the Max Planck Institute for Chemical Ecology in Jena, Germany, and finished her studies in 2009. In 2010, Heike worked as a field technician on population dynamics of *Aedes aegypti* in Mexico for three months. In 2011, she started her PhD project at the Institute of Biodiversity and Ecosystem Dynamics of the University of Amsterdam with Dr. Astrid Groot as her supervisor and Prof. Dr. Steph Menken as her promotor.

**PUBLICATIONS**


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