

Publications

Sprenger P.P., Müsse C., Hartke J., **Feldmeyer B.**, Schmitt T., Gebauer G., F. Menzel (submitted) Dinner with the roommates: Trophic niche differentiation and competition in a mutualistic ant-ant association

Sprenger P.P., Hartke J., Schmitt T., Menzel F., **B. Feldmeyer** (submitted) Identification of candidate genes involved in cuticular hydrocarbon differences between cryptic, parabiocic ant species.

Hartke J., Waldvogel A.M., Sprenger P.P., Schmitt T., Menzel F., Pfenninger M., **B. Feldmeyer** (submitted) Divergent adaptational trajectories despite similar selection regimes among sister species. *Journal of Evolutionary Biology*

Negróni M.A., Stoldt M., **Feldmeyer B.**, S. Foitzik (in prep) Influence of social structure, body and colony size on fecundity, metabolic rate and resistance to oxidative stress in ant queens.

Negróni M.A., Macit M., Stoldt M., Feldmeyer B., S. Foitzik (submitted) Molecular regulation of lifespan extension in fertile ant workers. *Philosophical Transactions B*

Waldvogel A.M., Schreiber D., Pfenninger M., **B. Feldmeyer** (2020) Climate change genomics calls for standardised data reporting. *Frontiers in Ecology and Evolution* 8:242

Körner M., Vogelweith F., Libbrecht R., Foitzik S., **Feldmeyer B.**, J. Meunier (2020) Offspring reverse transcriptome responses to maternal deprivation when reared with pathogens in an insect with facultative family life. *Proceedings B* 287:20200440.

Gabot E., Incháustegui S.J., Pfenninger M., **Feldmeyer B.**, G. Köhler (2020) Natural hybridization between two species of green Anoles: morphological and genetic evidence. *Novitates Caribaea* 15:73–95. doi:10.33800/nc.vi15.217

Gstöttl C., Stoldt M., Jongepier E., E. Bornberg-Bauer E., **Feldmeyer B.**, Heinze J., S. Foitzik (2020) Comparative analysis of caste, sex and developmental stage-specific transcriptomes of a slavemaking ant and its ant host sheds light onto slavemaker evolution. *Ecology and Evolution* 00:1-11. doi 10.1002/ece3.6187

Waldvogel A.M., **Feldmeyer B.**, Rolshausen G., Exposito-Alonso M., Bataillon T., Bergland A., Flatt T., Kofler R., Mock T., Rellstab C., Savolainen O., Schmid K., Schmitt I., Guillaume F., M. Pfenninger (2020) Evolutionary genomics improves predictions of species responses to climate change. *Evolution Letters* 4:4-18. doi:10.1002/evl3.154

Schmitt H., Hellmann L., Waldvogel A.M., **Feldmeyer B.**, Pfenninger M., T. Hankeln (2020) A high-quality genome assembly from short and long reads for the non-biting midge *Chironomus riparius* (Diptera). *G3* doi.org/10.1534/g3.119.400710

Zajac K.S., Hatteland B.A., **Feldmeyer B.**, Pfenninger M., Filipiak A., Noble L.R., D. Lachowska-Cierlik (2019) A comprehensive phylogeographic study of *Arion vulgaris* Moquin-Tandon, 1855 (Gastropoda: Pulmonata: Arionidae) in Europe. *Organisms Diversity and Evolution* doi.org/10.1007/s13127-019-00417-z

Sprenger P.P., Hartke J., **Feldmeyer B.**, Orivel J., Schmitt T., F. Menzel (2019) Influence of mutualistic lifestyle, mutualistic partner and climate on cuticular hydrocarbon profiles in

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- Hartke J., Schell T., Jongepier E., Schmidt H., Sprenger P.P., Paule J., Bornberg-Bauer E., Schmitt T., Menzel F., Pfenninger M., **B. Feldmeyer** (2019) Hybrid genome assembly of a neotropical mutualistic ant. *Genome Biology and Evolution* 11:2306-2311. doi:10.1093/gbe/evz159
- Hartke J.*, Sprenger P.P.*, Sahm J., Winterberg H., Orivel J., Baur H., Beuerle T., Schmitt T., **Feldmeyer B.***, F. Menzel* (2019) Cuticular hydrocarbons as potential mediators of cryptic species divergence in a mutualistic ant association. *Ecology and Evolution* 9:9160-9176. DOI: 10.1002/ece3.5464*shared first/last authors
- Negróni M., Foitzik S.*, **B. Feldmeyer*** (2019). Long-lived *Temnothorax* ant queens switch from investment in immunity to antioxidant production with age. *Scientific Reports* 9:7270 doi.org/10.1038/s41598-019-43796-1 *shared last authors
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