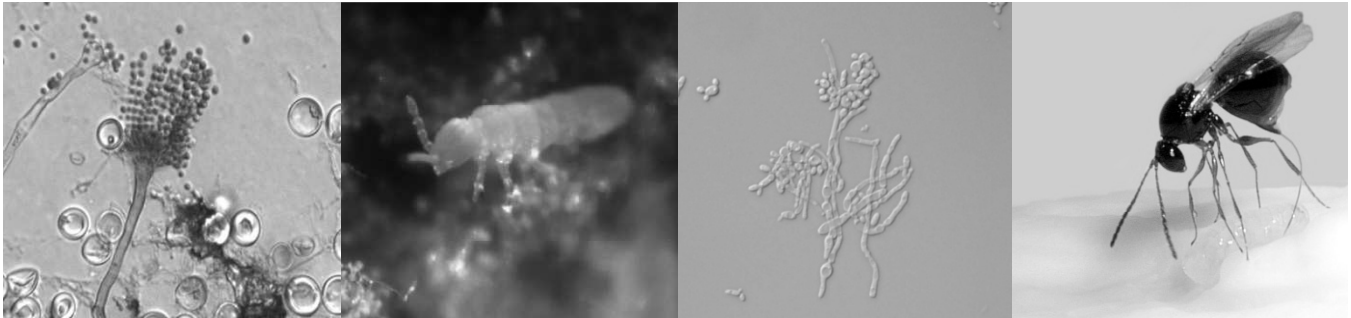


Open BSc and MSc projects



The good, the bad, and the ugly ... micro-organisms in insect evolutionary ecology



The gamut of insect-microbe interactions runs from **predation, competition, commensalisms to mutualisms/symbiosis.**

If you are interested in exploring experimentally ***plastic*** and ***evolutionary changes*** in insect-microbe interactions, we offer you **various research projects** covering following topics:

➤ ***Fungus-fungivore interactions***

The still unexplored role of toxic fungal secondary metabolites as well as chemical communication between fungi and fungivorous arthropods will be investigated by means of molecular genetic techniques and behavioral experiments

➤ ***Chemical communication in social fungivore feeding behavior***

Behavioral experiments combined with chemical ecology techniques will identify the nature and function of soil arthropod aggregation pheromones

➤ ***Microbial biodiversity effects on insect fitness and behavior***

Insect-associated microbes will be isolated and tested for their role in protecting insects against toxic fungi or pathogenic bacteria

➤ ***Experimental insect-microbe co-evolution***

Both insect life-history traits and associated microbes respond to environmental challenges – but how are they interconnected? Participate in a new big real-time evolution experiment!

Feel free to contact

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Check also <http://www.uni-goettingen.de/en/164266.html> for recent publications