

Curriculum Vitae

Personal details:

Ahmed Reda Ismaieel Mohamed Bayoumi

born on 7th September, 1996 in Kalyobiya, Egypt
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Max Planck Institute for

Chemical Ecology
Hans Knoell Strasse 8

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Germany

Education:

1/9/2022 to present

Department of Evolutionary Neuroethology Max Planck Institute for
Chemical Ecology in Jena, Germany.

PhD student

Supervisors: Nicole Van Dam, Bill S. Hansson, Sonja Bisch-Knaden

Thesis title: “Smelling with mouthparts, legs, and genitalia:
understanding the olfactory role of non-antennal tissues in the
hawkmoth *Manduca sexta*”

14/9/2021

M.Sc. Entomology, Faculty of Science, Ain Shams University of
Egypt, Master thesis: “Taxonomic and molecular studies on family
Hydraenidae (Coleoptera:Staphylinoidea) : and putatively associated
Wolbachia lineages in Egypt”

9/7/2018

B.Sc. Entomology, Faculty of Science, Ain Shams University of Egypt.

Publications

Ismaieel, A.R., Stieber, R., Hansson, B.S. *et al.* Hawkmoths can smell with grooming organs on their legs. *J Comp Physiol A* (2025).
<https://doi.org/10.1007/s00359-025-01769-y>

Schuh E, Cassau S, Ismaieel AR, Stieber R, Krieger J, Hansson BS, Sachse S, Bisch-Knaden S (2024) Females smell differently: characteristics and significance of the most common olfactory sensilla of female silkmths. *Proc R Soc Lond B Biol Sci* 291:20232578. <https://doi.org/10.1098/rspb.2023.2578>

Ismaieel, A.R.; Fadl, H.H.; Abu El-Hassan, G.M. A taxonomic review of the aquatic beetles (Hydraenidae: Coleoptera) from Egypt, with two new records. *Egypt. J. Aquat. Biol. Fish.* 2021, 25, 479–497.
<https://doi.org/10.21608/ejabf.2021.202298>

Presentations

Ahmed R. Ismaieel, Bill Hansson, Sonja Bisch-Knaden. **(2025)** _ Characterization of chemosensory capacity of epiphysis in *Manduca sexta* _IMPRS symposium

Ahmed R. Ismaieel, Bill Hansson, Sonja Bisch-Knaden. **(2024)** _ Characterization of chemosensory capacity of epiphysis in *Manduca sexta* _Insect Chemical Ecology course, ICE-24, at The Pennsylvania State University (PSU) in University Park, Pennsylvania, USA.

Ahmed R. Ismaieel, Bill Hansson, Sonja Bisch-Knaden. **(2023)** _ Ability of male genitalia in *Manduca sexta* to smell different odors_ Insect Chemical Ecology course, ICE-23, at the Swedish University of Agricultural Sciences (SLU) Alnarp - Sweden.

Ahmed R. Ismaieel, Bill Hansson, Sonja Bisch-Knaden. **(2023)** _ Ability of male genitalia in *Manduca sexta* to smell different odors_ Max Plank Institute symposium

Ahmed R. Ismaieel, H.H. Fadl, G.Abulhassan. **(2019)** _Taxonomic and molecular studies on family *Hydraenidae* (Coleoptera:Staphylinioidea) : and putatively associated *Wolbachia* lineages in Egypt_ MSc grant

Conferences

The 19th International Symposium on Olfaction and Taste **(ISOT, 2024)**

Ai Shams University annual conference. **(2018 & 2019)**

Jena, 30.11.2025

Ahmed Reda Ismaieel Mohamed Bayoumi