

Daniel Rodríguez

Ph.D. Student

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Higher Education

Doctor of Philosophy Biosciences Julius-Maximilians-Universität Würzburg	Würzburg, Germany 2020 - Present
Master of Science Biosciences Julius-Maximilians-Universität Würzburg	Würzburg, Germany 2017 - 2020
Bachelor of Science Biology Universidad Nacional de Colombia	Bogotá, Colombia 2011 - 2016

Professional Experience

Doctoral researcher Zoo3 department, Biocentre, Faculty of Biology, Julius-Maximilians-Universität Würzburg	Würzburg, Germany January 2024 - June 2024
<ul style="list-style-type: none">• Project: Function of Cuticular Hydrocarbons in Honey bees.• Teaching: Chemical ecology practical course for Master and Bachelor students.	
Part-time research Assistant Biocentre, Faculty of Biology, Julius-Maximilians-Universität Würzburg	Würzburg, Germany December 2020 - December 2023
<ul style="list-style-type: none">• Activities: Extraction and GC-MS analysis of Cuticular hydrocarbons.	
International Student Tutor Kompass Program, Faculty of Biology, Julius-Maximilians-Universität Würzburg	Würzburg, Germany November 2018 - September 2020
Biology teacher Grupo Formarte S.A.S	Bogotá, Colombia August 2016 - February 2017
<ul style="list-style-type: none">• Topics: biomolecules, protein synthesis, basic cell biology, genetics, metabolism, plants and animal systems, ecology, and evolution.	
Internship Biodiversity Sciences program of the Line of Risk Assessment and Wildlife, Instituto Alexander von Humboldt	Bogotá, Colombia August 2016 - February 2017
<ul style="list-style-type: none">• Activities: Build up data bases of Colombian exotic wildlife species with invasive potential, and native Colombian wildlife species reported in the Colombian red list books.	

Continuing Education

Social Evolution Faculty of Science, University of Copenhagen	Copenhagen, Denmark November 2019
Intercultural Competences Faculty of Biology, Julius-Maximilians-Universität Würzburg	Würzburg, Germany April - July 2018
Models of Species Distribution Faculty of Science, Universidad Nacional de Colombia	Bogotá, Colombia September 2016 - February 2017

Publications

1. Rodríguez-León, D. S., Uzunov, A., Costa, C., Elen, D., Charistos, L., Galea, T., Gabel, M., Scheiner, R., Pinto, M. A., & Schmitt, T. (2024). Deciphering the variation in cuticular hydrocarbon profiles of six European honey bee subspecies. *BMC Ecology and Evolution*, 24(1), 131. <https://doi.org/10.1186/s12862-024-02325-z>

2. Rodríguez León, D. S., & López Arévalo, H. F. (2019). Variación de la abundancia relativa de perros en un gradiente de presencia humana en dos reservas privadas (Tabio, Cundinamarca). *Acta Biológica Colombiana*, 24(2), 379–390. <https://doi.org/10.15446/abc.v24n2.70608>

Conference contributions

Presentation: Honey bee (<i>Apis mellifera</i>) CHC variations: New insight from desaturases and elongases expression assays	Lausanne, Switzerland
European meeting of the International Union for the Study of Social Insects (IUSSI)	July 8, 2024
Presentation: The expression of elongases and desaturases shed light on the CHC plasticity of honey bees (<i>Apis mellifera</i>)	Cluj-Napoca, Romania
7th meeting of the Central European Section of the IUSSI	September 19, 2023
Presentation: Honeybee workers display task-related and subspecific patterns in their cuticular hydrocarbon profiles	Belgrade, Serbia
Symposium of Communication and Chemical Ecology, 9th European Congress of Apidology	September 22, 2022
Poster: Research of the biology and behavior of feral dogs in the PNN Chingaza, for an understanding of their ecological role	Cartagena D.T., Colombia
II Symposium of Animal Behavior, IV Colombian Congress of Zoology	December 2014

Stipends and Awards

Doctoral fellowship	Würzburg, Germany
Foreigners promotion, Konrad-Adenauer-Stiftung	January 2021 - December 2023

Voluntary work

Member of the Doctoral Researchers Council	Würzburg, Germany
Graduated School of Life Sciences, Julius-Maximilians-Universität Würzburg	January 2022 - Present
International Student Tutor	Würzburg, Germany
Kompass Program, Faculty of Biology, Julius-Maximilians-Universität Würzburg	September 2020 - Present

Additional Qualifications

Offimatic MS Office: Good Knowledge (User)

Coding R: Advanced knowledge

Markdown: Advanced knowledge

Python: Basic knowledge

Git: Basic knowledge

Languages Spanish: Mother Tongue

English: Advanced (C1)

German: Intermediate (B2)

Romanian: Beginner