

# Daniel Rodríguez

Ph.D. Student

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## Higher Education

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

## Professional Experience

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

## Continuing Education

<b>Social Evolution</b> Faculty of Science, University of Copenhagen	Copenhagen, Denmark November 2019
<b>Intercultural Competences</b> Faculty of Biology, Julius-Maximilians-Universität Würzburg	Würzburg, Germany April - July 2018
<b>Models of Species Distribution</b> 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

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<b>Presentation: Honey bee (<i>Apis mellifera</i>) CHC variations: New insight from desaturases and elongases expression assays</b>	Lausanne, Switzerland
European meeting of the International Union for the Study of Social Insects (IUSI)	July 8, 2024
<b>Presentation: The expression of elongases and desaturases shed light on the CHC plasticity of honey bees (<i>Apis mellifera</i>)</b>	Cluj-Napoca, Romania
7th meeting of the Central European Section of the IUSI	September 19, 2023
<b>Presentation: Honeybee workers display task-related and subspecific patterns in their cuticular hydrocarbon profiles</b>	Belgrade, Serbia
Symposium of Communication and Chemical Ecology, 9th European Congress of Apidology	September 22, 2022
<b>Poster: Variation of cuticular hydrocarbon profiles among honeybee workers with different social roles and between different <i>Apis mellifera</i> subspecies</b>	Virtual Meeting via Gather
113th Meeting of the German Zoology Society	August 31, 2021
<b>Flash presentation: Variation of the cuticular hydrocarbon profiles among honeybees workers with different social roles and between different <i>Apis mellifera</i> subspecies</b>	Virtual Meeting via Zoom
68th Annual Meeting of the Working Group of the Institutes for Bee Research e.V.	March 24, 2021
<b>Presentation: Variation of the relative abundance and diet of dogs (<i>C. lupus familiaris</i>) on a gradient of human presence in a natural preserve of the civil society (Tabio, Cundinamarca)</b>	Bogotá, Colombia
Symposium of bachelor theses 2016-I, Faculty of Science, Universidad Nacional de Colombia	May 2016
<b>Poster: Research of the biology and behavior of feral dogs in the PNN Chingaza, for an understanding of their ecological role</b>	Cartagena D.T., Colombia
II Symposium of Animal Behavior, IV Colombian Congress of Zoology	December 2014

## Stipends and Awards

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<b>Doctoral fellowship</b>	Würzburg, Germany
Foreigners promotion, Konrad-Adenauer-Stiftung	January 2021 - December 2023

## Voluntary work

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

## Additional Qualifications

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**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