

# Daniel Rodríguez

Ph.D. Student

JMU-Würzburg, Biocentre, Office C015

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## Higher Education

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

## Professional Experience

Doctoral researcher	Würzburg, Germany
Zoo3 department, Biocentre, Faculty of Biology, Julius-Maximilians-Universität Würzburg	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>	
Part-time research Assistant	Würzburg, Germany
Biocentre, Faculty of Biology, Julius-Maximilians-Universität Würzburg	December 2020 - December 2023
<ul style="list-style-type: none"><li>• <b>Activities:</b> Extraction and GC-MS analysis of Cuticular hydrocarbons.</li></ul>	
International Student Tutor	Würzburg, Germany
Kompass Program, Faculty of Biology, Julius-Maximilians-Universität Würzburg	November 2018 - September 2020
Biology teacher	Bogotá, Colombia
Grupo Formarte S.A.S	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>	
Internship	Bogotá, Colombia
Biodiversity Sciences program of the Line of Risk Assessment and Wildlife, Instituto Alexander von Humboldt	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

Social Evolution	Copenhagen, Denmark
Faculty of Science, University of Copenhagen	November 2019
Intercultural Competences	Würzburg, Germany
Faculty of Biology, Julius-Maximilians-Universität Würzburg	April - July 2018
Models of Species Distribution	Bogotá, Colombia
Faculty of Science, Universidad Nacional de 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 (IUSSI)	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 IUSSI	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: 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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<b>Offimatic</b>	MS Office: Good Knowledge (User)
<b>Software</b>	R: Advanced knowledge
	Markdown: Advanced knowledge
	Python: Basic knowledge
	Git: Basic knowledge
<b>Languages</b>	Spanish: Mother Tongue
	English: Advanced (C1)
	German: Intermediate (B2)
	Romanian: Beginner