

César Bertinetti Cerrato | Curriculum Vitae

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ACADEMIC BACKGROUND

UNIVERSITY OF NOTRE DAME (NOTRE DAME, UNITED STATES)

PhD Biological Sciences

Start: Summer 2022

Torres-Dowdall Lab - Integrative Evolutionary Ecology

[Asst. Prof. J. Torres-Dowdall](#)

UNIVERSITY OF KONSTANZ (KONSTANZ, GERMANY)

M.Sc. Biological Sciences – Ecology, Evolution & Behavior Track

Graduation: May 2022

Thesis: The Adaptive Significance of the Molecular Variation in the Visual System of Cichlid Fish

[Prof. Dr. A. Meyer](#) & [Dr. A. Jordan](#), Supervised by [Asst. Prof. J. Torres-Dowdall](#)

Grades; GER:1.6, US: A

UNIVERSITY OF KONSTANZ (KONSTANZ, GERMANY)

B.Sc. Biological Sciences – Specialization in Insect Neuroethology

Graduation: September 2019

Thesis: Age Polyethism in the Honeybee's (*Apis mellifera*) Defensive Behavior

[Prof. Dr. C. J. Kleineidam](#), Supervised by [Dr. M. Nouvian](#)

Grades; GER: 2.4, US: A-

RESEARCH EXPERIENCE

UNDERC GRADUATE FELLOWSHIP (LAND O'LAKES, UNITED STATES)

Graduate Teaching & Research Assistant

Molecular Ecology

Project: Environmental & Genetic Drivers of Divergence in Sunfishes

05/2022 – 08/2022

[Asst. Prof. J. Torres-Dowdall](#) & [Prof. S.E. Jones](#)

UNIVERSITY OF KONSTANZ (KONSTANZ, GERMANY)

Graduate Research Assistant

Molecular Evolutionary Biology

Project: Plastic Responses of the Visual System in Teleost Fish

12/2020 – 03/2022

[Prof. Dr. A. Meyer](#) & [Dr. J. Torres-Dowdall](#)

UNIVERSITY OF KONSTANZ (KONSTANZ, GERMANY)

Graduate Research Assistant

Neuroethology of Social Insects

Project: Dose-Dependent Stinging Response in Honeybee's

06/2020 – 12/2020

[Dr. M. Nouvian](#)

NATIONAL CHUNG HSING UNIVERSITY (TAICHUNG, TAIWAN)

Undergraduate Research Assistant

Entomology, Insect-Plant Interaction

Project: Life History Traits of Black Soldier Fly *Hermetia illucens*

08/2017 – 09/2018

[Prof. Dr. S. Y. Hwang](#), Supervised by [Dr. A. C. Samayoa](#)

UNIVERSITY OF KONSTANZ (KONSTANZ, GERMANY)

Undergraduate Research Assistant

Cloning, Protein Expression & Purification

Project: Cysteine Proteases for Pharmaceutical Use

12/2016 – 04/2017

Prof. Dr. T. Böttcher, Supervised by Dr. M. Prothiwa

TEACHING EXPERIENCE

UNIVERSITY OF KONSTANZ (KONSTANZ, GERMANY)

Graduate Teaching Assistant

Evolution & Behavior (BIO-10150)

Review of Concepts in Modern Evolutionary Theory

Winter Term 2020 & 2021

Prof. Dr. A. Meyer & Dr. R. Greenway

UNIVERSITY OF KONSTANZ (KONSTANZ, GERMANY)

Undergraduate Teaching Assistant

Botanical Identification Exercises (BIO-10980)

Practical Exercises on Plant Morphology & Biodiversity

Summer Term 2017

Dr. V. M. Dörken

PEER-REVIEWED PUBLICATIONS

2. **Bertinetti, C.**, Karagic, N., Härer, A., Meyer, A., Torres-Dowdall, J. (*In prep.*): Phenotypic Variation in The Visual System Underlies Local Adaptation to a Photic Gradient Along the Nicaraguan Lakes
1. **Bertinetti, C.**, Samayoa, A. C., Hwang, S. Y. (2019) Effects of Feeding Adults of *Hermetia illucens* (Diptera: Stratiomyidae) on Longevity, Oviposition, and Egg Hatchability: Insights into Optimizing Egg Production. *J Insect Sci* 19:19

PRESENTATIONS & CONFERENCES

UNDERC Seminar 2022: The UNDERCwater Rainbow: Fish, Light and Color Vision

Bertinetti, C., A. Härer, A. Meyer, J. Torres-Dowdall: Stay Tuned! Visual Sensitivity of Nicaraguan Crater Lake Cichlids Correlates with Photic Environment. *Annual Virtual Evolution 2021.*

HONORS AND AWARDS

Merrilee Clark Redmond Endowment for Excellence

UNITED STATES, 2022

Graduate Research Initiation Grant – 2,500\$

UNDERC Graduate Fellowship

UNITED STATES, 2022

University of Notre Dame Environmental Research Center – 8,750\$

PROMOS Travel Grant

GERMANY, 2018

German Academic Exchange Service (DAAD) – 2,500€

PEER-REVIEWER

Journal of Medical Entomology, Journal of Economic Entomology

MEMBERSHIPS & WORKSHOPS

2nd SE Computational Biology School on RNAseq and Transcriptome Analysis (Chattanooga, United States)

“**The Harm-Benefit Analysis in Animal Research**”, Max-Planck for Immunobiology and Epigenetics (Online)

Experimental Animal Science Course – Zebrafish Module, Max-Planck Institute for Animal Behavior

Laboratory Animal Science, FELASA B; **Animal Research Facility** at University of Konstanz, Germany

Society for the Study of Evolution (SSE)

SKILLS & COMPETENCES

Languages: Spanish und Catalan; Native

English: Cambridge ESOL - FCE Grade A - CEFR C1

German: TestDaf - TDN 5 - CEFR C1/C2

Chinese: HSK 4 - 291/300 Points - CEFR B1/B2