

Hugo J. Eira Pereira

SHORT RESUMÉ

2020-2024

Research Associate

BIELEFELD UNIVERSITY · Germany 📍

Conducted research on factors shaping gut microbiome during ontogeny and explored the gut microbiome-immune system-brain axis.

Responsibilities included: sample collection, DNA extraction, Illumina amplicon sequencing, bioinformatics and statistical analysis. Published findings in peer-reviewed journals. Throughout, I focused on optimizing workflows and enhancing data analysis methods for improved research outcomes.

2014-2017

Research Assistant

BIOPOLIS-CIBIO · Portugal 📍

Contributed to various projects focused on avian speciation. Lab duties involved DNA extraction, amplification, and sequencing, along with data pre-processing and initial analysis. Additionally, served as a field assistant, collecting blood samples and ecological/behavioral data in multiple countries (São Tomé and Príncipe, Angola, South Africa). Also took on roles as lab and field manager, leading expeditions, managing logistics, and overseeing project budgets.

About me

I am looking forward to transition from academia to the industry, seeking increased specialization and practical applicability. I am enthusiastic about gaining a deeper understanding of how companies operate and contributing with my skills to real-world challenges.

Personal Info.

Hugo Pereira

13.08.1988

Nationality: Portuguese

Residence: Bielefeld, Germany

Areas of specialisation

Microbiome • Bioinformatics •

Data Analysis • Statistical Analysis

• NGS laboratory

Languages

Portuguese	C2	Native
English	C2	● ● ● ● ● ● ● ●
Spanish	B1	● ● ● ● ● ● ● ●
French	A2	● ● ● ● ● ● ● ●

Interests

Running • Hiking • Cycling • Travel

• Food • Wine • Pub

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in linkedin.com/in/hugo-eira

github.com/hugoeira

researchgate.net/profile/Hugo_Pereira24

DEGREES

- 2024 **PhD (Thesis submitted)**
BIELEFELD UNIVERSITY (DE) 🏛️
Gut microbiome of wild species
- 2014 **Master of Science**
UNIVERSITY OF PORTO (PT) 🏛️
Biodiversity Genetics and Evolution
- 2011 **Bachelor of Science**
UNIVERSITY OF MINHO (PT) 🏛️
Applied Biology

PROGRAMMING



CURRICULUM

2017-2019

Front of House

2019-2020

THE STAR INN THE CITY · York (UK) 📍

CAFE ROUGE · York (UK) 📍

Served as a waiter, acquired essential skills in customer service and sales. Demonstrated skill in fostering teamwork and maintaining organized front-of-house operations.

2016-2017

Field Assistant

MELBOURNE UNIVERSITY · Australia 📍

Monitoring the reproductive behavior of the superb-fairy wren population. Key responsibilities encompassed mapping territories, locating and regular nests checks, collecting blood samples and actively participating in database management.



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WORKSHOPS & GRANTS

- | | |
|------|---|
| 2023 | Training School on Vector Microbiome
NATIONAL INSTITUTE FOR AGRICULTURE, FOOD, AND ENVIRONMENT ·
Paris  |
| 2021 | Microbiome Data Analysis Workshop
HASSELT UNIVERSITY · Online  |
| 2020 | Workshop: "Harnessing Our Inner Ecology To Track and Treat Disease"
INSTITUTE OF SYSTEMS BIOLOGY · Online  |
| 2015 | Training Grant on NGS laboratory techniques
UNIVERSITY OF BERKELEY · California  |

PUBLICATIONS

- | | |
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| 2024 | <i>The gut microbiota-immune-brain axis in a wild vertebrate: dynamic interactions and health impacts. Frontiers in Microbiology. DOI: 10.3389/fmicb.2024.1413976</i> |
| 2024 | <i>Early-life factors shaping the gut microbiota of Common buzzard nestlings. Animal Microbiome. DOI:10.1186/s42523-024-00313-8</i> |
| 2022 | <i>A new species of scops-owl (Aves, Strigiformes, Strigidae, Otus) from Príncipe Island (Gulf of Guinea, Africa) and novel insights into the systematic affinities within Otus. Zookeys. DOI:10.3897/zookeys.1126.87635</i> |
| 2021 | <i>Influence of land use and host species on parasite richness, prevalence and co-infection patterns. International Journal for Parasitology. DOI:10.1016/j.ijpara.2020.08.005</i> |
| 2018 | <i>High endemism of mosquitoes on São Tomé and Príncipe Islands: evaluating the general dynamic model in a worldwide island comparison. Insect Conservation and Diversity. DOI:10.1111/icad.12308</i> |

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