

Hugo J. Eira Pereira

SHORT RESUMÉ

2020-2024

Associate Researcher

BIELEFELD UNIVERSITY · Germany 📍

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

Extensive experience in biological sample collection, DNA extraction, amplification, and library preparation for NGS applications. Skilled in bioinformatics from data pre-processing, quality control to statistical analysis. Published findings in peer-reviewed journals. I focused heavily on workflow optimization and enhancing data analysis methods to improve research outcomes.

2014-2017

Research Assistant

BIOPOLIS-CIBIO · Portugal 📍

Contributed to multiple projects as a lab and field assistant. Lab duties included DNA extraction, amplification and sequencing (Sanger and NGS), as well as initial data quality assessment and analysis. As a field assistant, collected biological samples and ecological data across 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 deepen my knowledge, seeking increased specialization and practical applicability. Additionally, I am enthusiastic about learning new techniques and adapting to evolving technologies.

Personal Info.

Hugo Pereira

13.08.1988

Nationality: Portuguese

Residence: Bielefeld, Germany

Areas of specialisation

Microbiome • Bioinformatics •

Data Analysis • Statistical Analysis

• NGS applications

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**

BIELEFELD UNIVERSITY (DE) 🏛️

Gut microbiome of wild species

2013

Master of Science

UNIVERSITY OF PORTO (PT) 🏛️

Biodiversity Genetics and Evolution

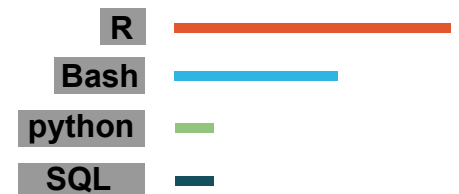
2011

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.

Hugo J. Eira Pereira

WORKSHOPS & GRANTS

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|------|---|
| 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> |
| 2024 | <i>The gut microbiota of three avian species living in sympatry. BMC Ecology and Evolution DOI:10.1186/s12862-024-02329-9</i> |
| 2024 | <i>Effects of urban life on the gut microbiota and the susceptibility to avian malaria infection in a population of the house sparrow Passer domesticus. Journal of Avian Biology. DOI: 10.1111/jav.03303</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> |