Hugo J. Eira Pereira

About me

Eager to apply the knowledge gained during my PhD. 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

Language	Level	
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

RG researchgate.net/profile/Hugo_Pereira24

Short Resumé

2020-2024

Researcher PhD Candidate
BIELEFELD UNIVERSITY · Germany 📍

Conducted research on factors shaping gut microbiome during ontogeny and explored the gut microbiome-immune system-brain axis.
Main tasks: sample collection, extraction, Illumina amplicon sequencing, bioinformatics pre-processing and subsequent statistical analysis.
Throughout, my focus remained on comprehensive data analysis with a significant emphasis on optimizing processes.

2014-2017

Research Assistant
BIOPOLIS-CIBIO · Portugal 📍

Contributed to diverse projects investigating bird speciation.
Lab responsibilities included DNA extraction, amplification, and sequencing. Was active also in data pre-processing and initial analysis.
Served as a field assistant, collecting blood samples, ecological and behavioural data across multiple countries (São Tomé and Príncipe, Angola, South Africa).
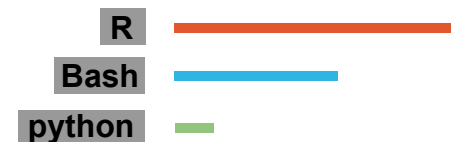Additionally, acted at times as both lab and field manager, leading expeditions, overseeing logistics and project budgeting.

Degrees

2014

Master of Science
UNIVERSITY OF PORTO (PT) · Biodiversity Genetics and Evolution 🏛

2011

Bachelor of Science
UNIVERSITY OF MINHO (PT) · Applied Biology 🏛

Programming

R	▬▬▬▬▬
Bash	▬▬▬
python	▬

Curriculum

2017-2019
2019-2020

Front of House
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

2024   *The gut microbiota-immune-brain axis in a wild vertebrate: dynamic interactions and health impacts. Frontiers in Microbiology*. DOI: 10.3389/fmicb.2024.1413976

2024   *Early-life factors shaping the gut microbiota of Common buzzard nestlings.* Animal Microbiome.
DOI:10.1186/s42523-024-00313-8

2022   *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

2021   *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

2018   *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

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