

THAIS FERREIRA-ARAÚJO

RESEARCHER

PROFILE

Evolutionary biologist with molecular techniques background and experience in phylogeography, conservation genetics, and molecular systematics of fishes.

PERSONAL INFORMATION

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REFERENCES

Juha Merilä - Professor, Faculty of Biological and Environmental Sciences, University of Helsinki, juha.merila@helsinki.fi
Paolo Momigliano - Assistant Professor, School of Biological Sciences, University of Hong Kong, momi@hku.hk
Petri Kempainen - Postdoctoral Researcher, Faculty of Biological and Environmental Sciences, University of Helsinki, petri.kempainen@helsinki.fi

AWARDS & SCHOLARSHIPS

2021 - EDUFI Fellowship, PhD project (Finland)
2020 - Otto A. Malm Foundation Grant, PhD project (Finland)
2018 - Institute Luísa Pinho Sartori Scholarship, Travel grant to attend XIII ReGeneC (Brazil)
2018 - Fundação Educacional Desenvolvimento e Ciência Scholarship, MSc project (Brazil)
2017 - Adalberto Antônio Varela Freire Award for Best Oral Presentation, BSc project (Brazil)
2015 - Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) Scholarship, Scientific initiation (Brazil)

LANGUAGE SKILLS

- Portuguese - Native
- English - Fluent
- Spanish - Intermediate

PROGRAMMING SKILLS

- R - Intermediate
- Bash - Beginner
- Python - Beginner

EDUCATION

PhD in Wildlife Biology

Faculty of Biological and Environmental Sciences, University of Helsinki, Finland | 2021 - ongoing

Doctoral thesis: "The cryptic Northern flounder: ecology, adaptation, and evolution" (preliminary)

MSc in Systematics and Evolution

Botany and Zoology Department, Universidade Federal do Rio Grande do Norte, Brazil | 2018 - 2020

Master thesis: "From ginga to sardine: ethnoichthyology and molecular systematics of small fishes with cultural value of Brazilian coast"

BSc in Biological Sciences

Universidade Federal do Rio Grande do Norte, Brazil | 2013 - 2017

Bachelor thesis: "*Pareiorhaphis garbei* (Ihering 1911), a suckermouth armoured catfish of Atlantic Forest headwaters, southeast of Brazil: an endangered cryptic species complex" (in Portuguese)

PROFESSIONAL EXPERIENCE

PhD researcher - Ecological Genetics Research Unit

University of Helsinki | 2021 - current

- Genomic analyses with evolutionary focus

MSc researcher - Systematics and Evolutionary Ichthyology Lab

Universidade Federal do Rio Grande do Norte | 2018 - 2020

- Conducted the "Ethnoichthyology and molecular systematics of small fishes with cultural value of Brazilian coast" project
- Field expeditions to fish markets and marine/estuarine environments
- Conducted questionnaires with local fishers
- DNA extraction and PCR
- Responsible for the Tissue/Molecular Fish collection

Intern - Systematics and Evolutionary Ichthyology Lab

Universidade Federal do Rio Grande do Norte | 2015 - 2017

- Conducted the "Phylogeography of the armored catfish *Pareiorhaphis garbei*" project
- Field expeditions to freshwater, marine, and estuarine environments
- Organization of Fish collection of LISE

Scientific initiation student - Amphibian and Reptiles Lab

Universidade Federal do Rio Grande do Norte | 2015 - 2016

- Conducted the "Phylogeography and specific limits of *Lithobates palmipes*" project
- DNA extraction and PCR

Teaching assistant - Botany and Zoology Department

Universidade Federal do Rio Grande do Norte | 2014 - 2016

- Assisted students during the Zoology II practical classes about Chelicerata

Intern - Immunogenetics Lab

Universidade Federal do Rio Grande do Norte | 2013 - 2015

- Participation in the "Detection of multiple enteroparasities by polymerase chain reaction" project

TALKS

- Invited speaker on "IV Bertha Lutz: Women in Science" virtual event via Zoom, Universidade Federal do Rio Grande do Norte (2021)
- Mediator on "Biogeography Talk" virtual panel discussion with M. Dolores Casagrande via Zoom, Universidade Federal do Espírito Santo (2020)
- Mediator on "Revitalization of aquatic environments: healing rivers and saving fish" virtual talk with Luisa Sarmento-Soares via Zoom, Universidade Federal do Espírito Santo (2020)
- Speaker on "Skype a Scientist" project via Skype (2019-2020)

ORGANIZATION OF EVENTS

- LUOVA 31st Spring Symposium, University of Helsinki - Helsinki, Finland, member of the organization committee (2022)
- XIV Genetics for Conservation Workshop (in Spanish), Red de Genética para la Conservación (ReGeneC) - Natal, Brazil, member of the organization committee (2019)
- III Forum of Systematics and Evolution - Coffee with Darwin (in Portuguese), Universidade Federal do Rio Grande do Norte - Natal, Brazil, member of the organization committee (2018)

PRESENTATION IN EVENTS

- The Northern flounder: population adapted to fresh & saltwater. **Ferreira-Araújo T.**, Kemppainen P., Momigliano P., Merilä J. *XVII European Meeting for PhD Students in Evolutionary Biology* (2022)
- Pulmankijärvi flounder: a new endemic species to Finland? **Ferreira-Araújo T.**, Momigliano P., Merilä J. *30th LUOVA Spring Symposium* (2021)
- Size is document: the ethnoichthyology of a Culturally Important Species in the northeastern Brazil. **Ferreira-Araújo T.**, Lopes P. F. M., Lima S. M. Q. *XXXIII Brazilian Congress of Zoology* (2020)
- Natural and human influence on the population structure of two endemic cichlids of Northeast Brazil. **Araújo T.F.P.**, Berbel-Filho W.M., Lima S.M.Q. *XXII Brazilian Meeting of Ichthyology* (2019)
- Headwaters capture evidenced by paleo-rivers' reconstruction and genetic structure of the armoured catfish (*Pareiorhaphis garbei*) in the Serra do Mar mountain range, South-eastern Brazil. **Araújo T.F.P.**, Berbel-Filho W.M., Lazzarotto H., Lima S.M.Q. *II International Symposium on Phylogeny and Classification of Neotropical Fishes* (2017)
- Ichthyological collection of Universidade Federal do Rio Grande do Norte: a relevant assemblage of fishes from the semiarid Caatinga and adjacent areas. Costa S.Y.L., **Araújo T.F.P.**, Bennemann A.B.A., Costa N.K., Medeiros L.S., Paiva R.E.C., Petean F.F., Lima S.M.Q. *II International Symposium on Phylogeny and Classification of Neotropical Fishes* (2017)
- *Pareiorhaphis garbei* (Ihering 1911), a suckermouth armoured catfish of Atlantic Forest headwaters, southeast of Brazil: an endangered cryptic species complex? *II Fórum de Sistemática e Evolução - Café com Darwin* (2017)
- The influence of abiotic factors on Anuran richness in stormwater ponds in the urban environment of the northeast of Brazil. *IV Congreso Colombiano de Zoología* (2014)

PUBLICATIONS

- **Ferreira-Araújo T.**, Holanda Carvalho P., Di Dario F., Mendes L.F., Oliveira C., Gasparini J.L., Rotundo M.M., Macieira R.M., Lima S.M.Q. (*in prep.*). Different roles of the Amazon-Orinoco barrier on the genetic structure of two sardine genera (Teleostei, Clupeidae) from the Western Atlantic Ocean. Intended for Journal of Biogeography
- de Medeiros L.S., **Ferreira-Araújo T.**, Lazzarotto H., Lima S.M.Q. (2022). Type locality, distribution and conservation of the threatened catfish *Taunayia bifasciata* (Eigenmann & Norris 1900) (Siluriformes: Heptapteridae) in the Atlantic Forest streams of Southeastern Brazil. *Zootaxa* 5154 (5): 595–600. DOI: 10.11646/zootaxa.5154.5.8
- **Ferreira-Araújo T.**, Lopes P. F. M., Lima S. M. Q. (2021). Size matters: identity of culturally important herrings in northeastern Brazil. *Ethnobiology and Conservation*, 10. DOI: 10.15451/ec2020-11-10.07-1-30
- Zizka A., Antunes Carvalho F., Calvente A., Rocio Baez-Lizarazo M., Cabral A., Ramos Coelho J.F., Colli-Silva M., Ramos Fantinati M., Fernandes M.F., **Ferreira-Araújo T.**, Gondim Lambert Moreira F., da Cunha Santos N.M., Andrade Borges Santos T., dos Santos-Costa R.C., Serrano F.C., Alves da Silva A.P., de Souza Soares A., Cavalcante de Souza P.G., Calisto Tomaz E., Fonseca Vale V., Vieira T.L., Antonelli A. (2020). No one-size-fits-all solution to clean GBIF. *PeerJ* 8:e9916. DOI: 10.7717/peerj.9916
- Costa S.Y.L., Petean F.F., **Araújo T.F.P.**, Medeiros L.S., Barros-Neto L.F., Paiva R.E.C., Bennemann A.B.A., Abrantes Y.G., Lira M.G.S., Lima S.M.Q. (2019). Ichthyological collection of the Universidade Federal do Rio Grande do Norte: a relevant fish collection from the Caatinga and adjacent areas (in Portuguese). *Boletim Sociedade Brasileira de Ictiologia* 129: 146-153
- Lima S.M.Q., Berbel-Filho W.M., **Araújo T.F.P.**, Lazzarotto H., Tatarenkov A., Avise J.C. (2017). Headwater Capture Evidenced by Paleo-Rivers Reconstruction and Population Genetic Structure of the Armored Catfish (*Pareiorhaphis garbei*) in the Serra do Mar Mountains of Southeastern Brazil. *Frontiers in genetics* 8: 199. DOI: 10.3389/fgene.2017.00199

