

# THAIS FERREIRA-ARAÚJO

Thais Araújo; Thais F. P. Araújo

## PROFILE

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

## PERSONAL INFORMATION

Full name: Thais Ferreira Pinto de Araújo

Birth information: 26/03/1994 - Natal/RN - Brazil

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## FORMAL EDUCATION

### PhD in Wildlife Biology

#### University of Helsinki, Finland (2021-ongoing)

Doctoral thesis: "The Lake Pulmanki flounder: ecology, adaptation, and speciation" (preliminary)

Supervisors: Prof. Juha Merilä, Dr. Paolo Momigliano & Dr. Petri Kempainen

### MSc. in Systematics and Evolution

#### 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"

Supervisors: Prof. Sergio Maia Queiroz Lima and Prof. Pedro Hollanda Carvalho

### 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?"

Supervisor: Prof. Sergio Maia Queiroz Lima

## ACADEMIC EXPERIENCE

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### Intern

Systematic and Evolutionary Ichthyology Laboratory (LISE), Universidade Federal do Rio Grande do Norte (2015-2018)

Conducted and participated in several scientific activities and projects under supervision of Professor Sergio M. Q. Lima, such as:

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

### Scientific initiation student

Amphibian and Reptiles Laboratory (LAR), Universidade Federal do Rio Grande do Norte (2015-2016)

Participated in the following project under supervision of Professor Adrian A. Garda:

- Phylogeography and specific limits of *Lithobates palmipes*

### Professor's assistant

Botany and Zoology Department, Universidade Federal do Rio Grande do Norte (2014-2016)

Helped Professor Bruno Bellini during his practical classes about Chelicerata

### Intern

Immunogenetic Laboratory, Universidade Federal do Rio Grande do Norte (2013-2015)

Participated in following project under supervision of Professor Carlos E. M. Gomes:

- Detection of Multiple Enteroparasities by Polymerase Chain Reaction

## COMPLEMENTARY EDUCATION

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- Course in Methods in Historical Biogeography (16h)
- Course in Phylogeographic Studies in Fish Conservation (4h)
- Course in Introduction to Data Analysis of Second-Generation Sequencers (24h)
- Course in Writing in the Sciences (40h)
- Course in XIII Genetics for Conservation Workshop (125h)
- Course in Theoretical-Practical of Molecular Phylogeny and Evolutionary Sequence Analysis (20h)
- Course in Introduction to Genomic Technologies (5h)
- Course in Molecular Identification Methods - Nucleic Acids (20h)
- Course in Methods of Analysis in Genetic Epidemiology (6h)

## AWARDS & SCHOLARSHIPS

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- EDUFI Fellowship (2021)
- Otto A. Malm Foundation Grant (2020)
- Luísa Pinho Sartori Institute Scholarship (2018)
- Fundação Educacional Desenvolvimento e Ciência Scholarship (2018)
- Adalberto Antônio Varela Freire Award for Best Oral Presentation (2017)
- Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) Scholarship (2015)

## PARTICIPATION IN TALKS

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

## SCIENTIFIC PUBLICATIONS

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### Peer-reviewed scientific articles

- de Medeiros, L.S.; **Ferreira-Araújo, T**; Lazzarotto, H.; Lima, S.M.Q. (*in press*) 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 - correspondence*
- **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 JF, Colli-Silva M, Ramos Fantinati M, Fernandes MF, **Ferreira-Araújo T**, Gondim Lambert Moreira F, da Cunha Santos NáM, Andrade Borges Santos T, dos Santos-Costa RC, Serrano FC, Alves da Silva AP, de Souza Soares A, Cavalcante de Souza PG, Calisto Tomaz E, Fonseca Vale Vé, Vieira TL, 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). Coleção ictiológica da Universidade Federal do Rio Grande do Norte: um relevante acervo de peixes da Caatinga e áreas adjacentes. *Boletim Sociedade Brasileira de Ictiologia* 129: 146-153. [www.sbi.bio.br/images/sbi/boletim-docs/2019/outubro\_129.pdf]
- 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

## PRESENTATIONS IN EVENTS

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- The Northern flounder: population adapted to fresh & saltwater. *XVII European Meeting for PhD Students in Evolutionary Biology* (2022)
- Pulmankijärvi flounder: a new endemic species to Finland? *30th LUOVA Spring Symposium* (2021)
- Size is document: the ethnoichthyology of a Culturally Important Species in the northeastern Brazil. *XXXIII Brazilian Congress of Zoology* (2020)
- Natural and human influence on the population structure of two endemic cichlids of Northeast Brazil. *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. *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 Caatinga. *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)

## PARTICIPATION IN EVENTS

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- XVII European Meeting for PhD Students in Evolutionary Biology (2022)
- 30th LUOVA Spring Symposium (2021)
- I Online International Conference of Ethnobiology (2020)
- I Meeting of Systematics, Biogeography and Evolution (2020)
- XXXIII Brazilian Congress of Zoology (2020)
- XXII Brazilian Meeting of Ichthyology (2019)
- II Forum of Systematics and Evolution - Coffee with Darwin (2017)
- II International Symposium on Phylogeny and Classification of Neotropical Fishes (2017)
- I Coffee with Darwin (2016)
- IX Brazilian Congress on Crustaceans (2016)
- 5th Brazilian Congress of Marine Biology (2015)
- IV Colombian Congress of Zoology (2014)

## ORGANIZATION OF EVENTS

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- LUOVA 31st Spring Symposium (2021-2022)
- III Forum of Systematics and Evolution - Coffee with Darwin (2018)

## PICTURES: FIELDWORK & TALKS

