

Curriculum Vitae

Personal Information

Name: André Luís Ferreira Mira

Gender: Male

Birth Date: 6th of December 1994

Nationality: Portuguese

Country: Spain

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Professional experience

August 2021 – Present

Phd Student

October 2020 – March 2021

Freelancer Data Analyst

Participation in the SoilSkin project

Institution: Universidad Autónoma de Madrid

Research Group: eBryoSoil

February 2018 – August 2020

Participation in the European Research Council grant project “COMPCON - competition under (niche) construction”

Institution: cE3c, Faculty of Sciences of the University of Lisbon (Lisbon, Portugal).

PI: Prof. Sara Magalhães.

Research Group: Evolutionary Ecology - Adaptation in heterogeneous environments, CE3C, Faculty of Sciences of the University of Lisbon.

Tasks performed:

- Helped the research team in laboratory experiments;
- Maintained spider mites populations that were submitted to experimental evolution and stock populations of spider mite;
- Provided support to the maintenance of plants;
- Assisted the members of the lab in their regular tasks;
- Preserved and repaired laboratory equipment;
- Conducted laboratory experiments designed to test hypothesis regarding the relationship between two essential demographic parameters and how they are affected by individual level traits, using several spider mites inbred lines;

- Conducted laboratory experiments aimed to test how adaptation to an environment may change sexual behaviour traits, using spider mite populations submitted to experimental evolution;
- Performed statistical analyses to the conducted experiments (the generated data will be used in future publications).

Education

September 2016 – December 2018

Masters in Evolutionary and Developmental Biology (120 ECTS)

Institution: Faculty of Sciences of the University of Lisbon (Lisbon, Portugal). **Grade:** 8,59/10.

Thesis: “Uncovering genetic correlations between traits crucial to population dynamics”.

Dissertation Grade: 9/10.

Supervisor: Prof. Sara Magalhães and Dr. Leonor R. Rodrigues.

Research Group: Evolutionary Ecology - Adaptation in heterogeneous environments, CE3C, Faculty of Sciences of the University of Lisbon (Lisbon, Portugal).

September 2012 – July 2016

Bachelor’s in Biology (180 ECTS)

Grade: 7,55/10.

Institution: Lusófona University of Humanities and Technology (Lisbon, Portugal).

Academic Presentations

Poster presentation in scientific congress, entitled: The correlation between food intake and offspring production has a genetic basis that is affected by density dependence.

Event: XIV Portuguese Evolutionary Biology Meeting (ENBE).

Date: November 2019.

Location: Porto, Portugal.

Poster presentation in scientific congress, entitled: Uncovering genetic correlations between traits crucial to population dynamics.

Event: XIV Portuguese Evolutionary Biology Meeting (ENBE).

Date: October 2018.

Location: Lisbon, Portugal.

Poster presentation in scientific congress, entitled: Uncovering genetic correlations between traits crucial to population dynamics.

Event: ICA 2018 - XV International Congress of Acarology.

Date: August 2018.

Location: Antalya, Turkey.

Poster presentation in scientific congress, entitled: Uncovering genetic correlations between traits crucial to population dynamics.

Event: II Joint Congress on Evolutionary Biology.

Date: August 2018.

Location: Montpellier, France.

Oral presentation in scientific congress, entitled: Are r and k genetically correlated?

Event: 4th cE3c Annual Meeting.

Date: July 2018.

Location: CE3C, Faculty of Sciences of the University of Lisbon, Portugal.

Poster presentation in scientific congress, entitled: Are r and k genetically correlated? **Event:** XIII Portuguese Evolutionary Biology Meeting (ENBE).

Date: December 2017.

Location: University of Algarve, Faro, Portugal.

Publications

Database: Biological soil covers: data on lichen, bryophyte and algae coverage in soils gathered by SoilSkin citizen science program using eBryoSoil app for smartphones

Date: January 2021

DOI: 10.5281/zenodo.4456773.

Lectures

Invited lecturer: Invited to lecture several classes along the academic year within the scope of several disciplines such as: Development Biology, Behaviour Biology, Reproduction Biology and Ecology, to high school students.

Date: September 2017-July 2018.

Location: Lusófona University of Humanities and Technology, Lisbon, Portugal.

Courses and Additional Activities

July 2021

Activity: Advanced course 'Measuring Biodiversity: How to get data, assess its quality and measure different aspects of diversity'.

Location: Faculty of Sciences of the University of Lisbon, Lisbon, Portugal.

June 2021

Activity: Online Conference for Early-Career Scientists, including mentoring session on and a applied workshop "Code and data sharing". Event organized by the Early-Career Research committees of the Asociación Española de Ecología Terrestre (David García Callejas) and the Société Française d'Écologie et d'Évolution (Julia Clause and Pierre Quévreux).

May 2021

Activity: Online workshop "Promotion of Biodiversity – Control of invasive plants" organized by the University of Évora and Infrastructures of Portugal.

April 2021

Activity: Online workshop "Solutions for the minimization of impact caused by roads on the fauna" organized by the University of Évora and Infrastructures of Portugal.

November 2020 – June 2021

Activity: Scientific writing course.

Location: Departamento de Biología de la Facultad de Ciencias de la Universidad Autónoma de Madrid

October 2020

Activity: Online course "Learning Path of Master R for Data Science" - Skills covered: R (programming language) and data analysis.

March 2018

Activity: Course in Engaged Ecology & Environmental Ethics.

Location: Faculty of Sciences of the University of Lisbon, Animal Biology Department, Lisbon, Portugal.

September 2015 – November 2015

Activity: Volunteer work at the aquarium service of the Vasco da Gama aquarium - maintenance of aquatic organisms.

Location: Vasco da Gama Aquarium, Lisbon, Portugal.

March 2015

Activity: Workshop in “Study of water pollution using histopathology techniques - ethics and animal welfare”.

Location: University of Minho, Braga, Portugal.

September 2014

Activity: Workshop in the project CVS “Spatial modulation of human pressure and their use for the conservation of the Iberian wolf”.

Location: Faculty of Sciences of the University of Lisbon, Animal Biology Department, Lisbon, Portugal.

September 2013 – September 2015

Activity: Participation in the project of conservation and attribution of an endangered status to the species *Candidula coudensis* – Project elaborated with the participation of the Biology students.

Location: Lusófona University of Humanities and Technology, Lisbon, Portugal.

Languages

Mother tongue: Portuguese.

Other languages:

	<i>Comprehension</i>		<i>Talking</i>		<i>Writing</i>	
	<i>Oral Comprehension</i>	<i>Reading</i>	<i>Oral Interaction</i>	<i>Oral Production</i>		
<i>English</i>	<i>C2</i>	<i>C2</i>	<i>C1</i>	<i>C1</i>	<i>C1</i>	<i>C1</i>
<i>Spanish</i>	<i>C1</i>	<i>C1</i>	<i>B2</i>	<i>B2</i>	<i>B1</i>	<i>B1</i>

* Non-certified.

Digital Skills

R Software;

QGIS;
CyberDuck;
Microsoft Office (Word, PowerPoint, Excel);
Graphic/Image Editing Software (Fiji – ImageJ);
Statistic software (GraphPad);
BioEdit;
ICCapture.