



Pedro Ferreira, PhD

📍 Portugal
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Profiles

LinkedIn ORCID
 Github Github
 Pages
Portfolio

Education

PhD in Neuroscience
University of Coimbra (2019-2024)

Dissertation: "Unraveling the role of IL-4 in the maturation and function of the cerebellar circuit: implications for neuropsychiatric diseases"

MSc in Cellular and Molecular Biology
University of Coimbra (2017-2019)

Thesis: "Microglia-mediated remodelling of the Cerebellar Circuit"

BSc in Biochemistry
Univeristy of Coimbra (2014-2017)

Certifications

EU Animal Experimentation (Rodents)
DGAV (Portugal) | FELASA

Driving Licence (Portugal)

Awards

Top 10 Cited Article (2022-23)
Journal of Neurochemistry

PhD Scholarship (2019-23)
Foundation for Science and Technology Portugal

Top 5% MSc Students (2017-19)
University of Coimbra

Languages

Portuguese (Native)

English

Spanish

Summary

I recently finished my PhD in Neuroscience under the supervision of Prof. João Peça at University of Coimbra and am now in search for new opportunities outside strict academia.

I am incredibly passionate about science and how it can drive positive change!

Detail-oriented and capable of managing multidisciplinary teams. Extremely fast learner and proactive.

Experienced in programming with multiple languages, data analysis, statistics and visualization tools in the context of life sciences, as well as scientific illustration and communication. Tech enthusiast and tinkerer with a love for developing tools to improve research!

Experience

Researcher @ Center for Neuroscience and Cell Biology
Coimbra, Portugal (2015-2024)

- Authored 1 research article and co-authored 3 research articles and 2 review articles in Q1 Journals (3 more in preparation). H-Index - 5 | >150 citations.
- Presented my research in 4 scientific conferences and co-authored >15 conference posters
- Tutored >10 BSc and MSc students
- Created multiple workflows for rodent behavioral analysis using Bonsai, as well as different behavioral setups and arenas
- Developed several scripts for data collection and analysis, as well as workflow automation
- Scientific illustration for articles, presentations and science communication in different projects
- Participated in SciComm events and designed infographics, panflets and other media for promoting scientific work

Skills

Science

Scientific Writing | Manuscript Editing and Formatting | Literature Review | Study Design | Cross-Discipline Collaboration | Project Management | Dataset Analysis and Statistics | Data Management

Wet Lab

Immunostaining | Histology | Microscopy | Electrophysiology | Optogenetics | Animal Behavior | Genetics

Programming

Proficient - Python (+IronPython, Jython) | Intermediate - MATLAB, SQL | Entry level - R, .NET, C#, C+, Java

Software

BonsaiRx | Graphpad Prism | KNIME | Office Suite | Adobe Suite (Illustrator, Photoshop, Lightroom, Premiere) | Endnote/Mendeley/Zotero

Others

Extensive Tech Literacy | UI Design (Windows Forms, Tkinter) | Github Pages | Cybersecurity Best Practices | GPIO Interfacing | Basic Electronics

Other Projects

Schwarzkopf Foundation - Understanding Europe (2017-18)

Founding member of the Portuguese branch of the Understanding Europe Initiative of the Schwarzkopf Foundation

Orfeon Académico de Coimbra

Treasurer (2015-16) | Supervisory Board Member (2017-21) | President (2023)