

Carlos Alberto Rodrigues Fernandes

CURRICULUM VITAE

April 2026

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Personal Data

Full name

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Work address and affiliation

Department of Biology (DBio) & Centre for Ecology, Evolution and Environmental Changes (CE3C) & Global Change and Sustainability Institute (CHANGE), Ciências ULisboa, Building C2, 1749-016 Campo Grande, Lisbon, Portugal

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<https://www.ce3c.pt/research/research-groups/evolutionary-perspectives-in-a-changing-world/wildlife-genetics/carlos-rodriguez-fernandes>

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Scopus Author ID: [8966321900](https://orcid.org/8966321900) (H-index: 20)

Web of Science ResearcherID: [J-3045-2013](https://orcid.org/J-3045-2013) (H-index: 20)

Google Scholar: <https://scholar.google.pt/citations?user=UgM5v2kAAAAJ&hl=pt-PT> (H-index: 25)

Languages

Portuguese: native speaker; English: highly proficient

Spanish: intermediate; French: elementary

Academic Degrees

2005: PhD in Biology (domain of specialization: phylogeography and molecular systematics) by the University of Cardiff, UK (supervisors: Professors Michael W. Bruford and Margarida Santos-Reis) (PhD grant from Fundação para a Ciência e a Tecnologia, FCT)

1998: Licentiate in Biology (scientific branch) at the Faculty of Sciences of the University of Lisbon (FCUL), Portugal (final grade: 16, out of 20)

Employment

2025-: Assistant Professor at DBio-FCUL

2020-: Invited Assistant Professor at FPUL

2025-2025: FCT-Tenure Assistant Researcher at CE3C-FCUL and the Associated Lab CHANGE - Global Change and Sustainability Institute

2020-2025: Assistant Researcher at CE3C-FCUL

2013-2020: Invited Assistant Professor at DBA-FCUL

2008-2013: Assistant Researcher (FCT Program 'Ciência 2007') at CBA-FCUL

2005-2008: Postdoctoral Fellow (FCT grant) at CBA-FCUL

Research Areas

Wildlife genetics; conservation genetics; population genetics; phylogeography; evolutionary genetics; evolutionary history; molecular systematics; landscape genetics; adaptation genomics; behaviour genetics; evolutionary psychology

Career Synopsis

Following my PhD in phylogeography and molecular systematics in Professor Mike Bruford's lab at Cardiff University, I started postdoctoral work funded by FCT in the research group of Professor Margarida Santos-Reis at the Centre for Environmental Biology (CBA) of the University of Lisbon (2005-2008). The aim of the postdoc was to develop species-specific mitochondrial markers for species identification of non-invasive and forensic biological samples from mammalian carnivores (Conserv Genet 2008 9:681) and microsatellites for population genetic studies (Conserv Genet 2009 10:1931; Mol Ecol Resour 2009 9:1205), and in the process effectively setting up a carnivore genetics lab in the Centre. In 2008, I earned an Assistant Researcher fellowship (2008-2013, 'Ciência 2007' Program of FCT) to initiate and conduct research in landscape genetics at CBA. Outputs of this work include the first assessment of genetic connectivity in small mammals between Natura 2000 sites using landscape genetics (Landscape Ecol 2015 30: 609), an experiment to disentangle the causes of the road barrier effect in small mammals (PLoS ONE 2016 11:e0151500), and the first study of fine-scale genetic structure in wild carnivores distributed throughout Portugal (PLoS ONE 2016 11:e0145165). During this second postdoc I also continued to oversee the development

of microsatellite markers for carnivores (e.g., *Conserv Genet Resour* 2010 2:317; *Eur J Wildl Res* 2012 58:507) and started to work on evolutionary and conservation genetic studies of mammalian species in different parts of the world (e.g., *Mol Ecol* 2011 20:706; *Mol Ecol* 2013 22:5130). From 2013 to 2020 I was an invited assistant professor at the Department of Animal Biology (DBA) of FCUL, and I am currently a research group leader in wildlife genetics at CE3C (<https://www.ce3c.pt/research/research-groups/evolutionary-perspectives-in-a-changing-world/wildlife-genetics/carlos-rodriguez-fernandes>) and an invited assistant professor at FPUL. During this time I have taught a variety of courses at the undergraduate and master's level on Biology and Genetics, Animal Genetics, Conservation Genetics, Ex-situ Animal Conservation, Human and Forensic Genetics, and Evolutionary Biology. Between 2013 and 2015 I was a member of the Executive and Management Board of CE3C. In terms of research, I have been expanding the range of issues and interests, taxonomic scope, and geographic coverage in my research activities on conservation genetics (*Genes* 2019 10:779; *Mol Ecol* 2022 31:4208; *Conserv Genet* 2023 24:125; *Trends Ecol Evol* 2022 37:197; *Trends Genet* 2023 39:545), phylogeography (*Biol Invasions* 2017 19:399; *Mol Ecol* 2017 26:4045; *Gene* 2020 739:144510; *Mol Ecol* 2022 31:993; *Mamm Biol* 2023 103:83), molecular systematics (*Genetica* 2016 144:191; *Gene* 2017 620:54), and evolution and phylogenetics (*Mol Biol Evol* 2018 35:287; *Curr Biol* 2018 28:3441; *Mol Phylogenet Evol* 2019 133:263). So far my research has yielded 59 peer-reviewed scientific publications (54 in international journals and five book chapters), of which I was first or last author on 28 (five of them with shared first authorship) and my H-index is 19 (in both Scopus and Web of Science); six other manuscripts are under review in international journals. I participated in 11 research projects (one as coordinator, in the other ten as a team member), and I have supervised or co-supervised eight PhD theses (two of them ongoing), 15 MSc dissertations, and seven research technicians. I participated in thesis defence committees of 11 PhD theses and 11 MSc theses.

Ten Selected Recent Publications (in reverse chronological order)

Secomandi, S., Gallo, G., Rossi, R., **Fernandes, C. R.**, Jarvis, E., Bonisoli-Alquati, A., Gianfranceschi, L., & Formenti, G. (2025). Pangenome graphs and their applications in biodiversity genomics. *Nature Genetics*, 57(1), 13–26. <https://doi.org/10.1038/s41588-024-02029-6> (IF 2024: 29.0)

Theissinger, K., **Fernandes, C.**, Formenti, G., Bista, I., Berg, P. R., Bleidorn, C., Bombarely, A., Crottini, A., Gallo, G. R., Godoy, J. A., Jentoft, S., Malukiewicz, J., Mouton, A., Oomen, R. A., Paez, S., Palsbøll, P. J., Pampoulie, C., Ruiz-López, M. J., Secomandi, S., ... Zammit, G. (2023). How genomics can help biodiversity conservation. *Trends in Genetics*, 39(7), 545–559. <https://doi.org/10.1016/j.tig.2023.01.005> (IF: 13.6) (shared first authorship)

Hassan-Beigi, Y., Rodrigues, M., Adibi, M. A., Madjdzadeh, S. M., Vercammen, P., Farhadinia, M. S., & **Fernandes, C. R.** (2023). Mitochondrial DNA variation of the caracal (*Caracal caracal*) in Iran and range-wide phylogeographic comparisons. *Mammalian Biology*, 103(1), 83–106. <https://doi.org/10.1007/s42991-022-00328-1> (IF: 1.9)

Formenti, G., Theissinger, K., **Fernandes, C.**, Bista, I., Bombarely, A., Bleidorn, C., Ciofi, C., Crottini, A., Godoy, J. A., Höglund, J., Malukiewicz, J., Mouton, A., Oomen, R. A., Paez, S., Palsbøll, P. J., Pampoulie, C., Ruiz-López, M. J., Svoldal, H., Theofanopoulou, C., ... Zammit, G. (2022). The era of reference genomes in conservation genomics. *Trends in Ecology & Evolution*, 37(3), 197–202. <https://doi.org/10.1016/j.tree.2021.11.008> (IF: 16.8) (shared first authorship)

Prost, S., Machado, A. P., Zumbroich, J., Preier, L., Mahtani-Williams, S., Meissner, R., Guschanski, K., Brealey, J. C., **Fernandes, C. R.**, Vercammen, P., Hunter, L. T. B., Abramov, A. V., Plasil, M., Horin, P., Godsall-Bottriell, L., Bottriell, P., Dalton, D. L., Kotze, A., & Burger, P. A. (2022). Genomic analyses show extremely perilous conservation status of African and Asiatic cheetahs (*Acinonyx jubatus*). *Molecular Ecology*, 31(16), 4208–4223. <https://doi.org/10.1111/mec.16577> (IF: 4.9)

Derouiche, L., Irzagh, A., Rahmouni, R., Tahri, R., Hadjeloum, M., Bouhadad, R., & **Fernandes, C.** (2020). Deep mitochondrial DNA phylogeographic divergence in the threatened aoudad *Ammotragus lervia* (Bovidae, Caprini). *Gene*, 739, 144510. <https://doi.org/10.1016/j.gene.2020.144510> (IF: 3.688)

Sousa-Santos, C., Jesus, T. F., **Fernandes, C.**, Robalo, J. I., & Coelho, M. M. (2019). Fish diversification at the pace of geomorphological changes: evolutionary history of western Iberian Leuciscinae (Teleostei: Leuciscidae) inferred from multilocus sequence data. *Molecular Phylogenetics and Evolution*, 133, 263–285. <https://doi.org/10.1016/j.ympev.2018.12.020> (IF: 3.496) (shared first authorship)

Santos, T. L., **Fernandes, C.**, Henley, M. D., Dawson, D. A., & Mumby, H. S. (2019). Conservation genetic assessment of savannah elephants (*Loxodonta africana*) in the Greater Kruger Biosphere, South Africa. *Genes*, 10(10), 779. <https://doi.org/10.3390/genes10100779> (IF: 3.759) (shared first authorship)

Gopalakrishnan, S., Sinding, M.-H. S., Ramos-Madriral, J., Niemann, J., Samaniego Castruita, J. A., Vieira, F. G., Carøe, C., Montero, M. D. M., Kuderna, L., Serres, A., González-Basallote, V. M., Liu, Y.-H., Wang, G.-D., Marques-Bonet, T., Mirarab, S., **Fernandes, C.**, Gaubert, P., Koepfli, K.-P., Budd, J., ... Gilbert, M. T. P. (2018). Interspecific gene flow shaped the evolution of the genus *Canis*. *Current Biology*, 28(21), 3441–3449.e5. <https://doi.org/10.1016/j.cub.2018.08.041> (IF: 9.193)

Liu, Y.-H., Wang, L., Xu, T., Guo, X., Li, Y., Yin, T.-T., Yang, H.-C., Hu, Y., Adeola, A. C., Sanke, O. J., Otecko, N. O., Wang, M., Ma, Y., Charles, O. S., Sinding, M.-H. S., Gopalakrishnan, S., Alfredo Samaniego, J., Hansen, A. J., **Fernandes, C.**, ... Zhang, Y.-P. (2018). Whole-genome sequencing of African dogs provides insights into adaptations against tropical parasites. *Molecular Biology and Evolution*, 35(2), 287–298. <https://doi.org/10.1093/molbev/msx258> (IF: 14.797)

Publications

Peer-reviewed research papers in international scientific journals

62) Santos, T., Martins, N., Mak, S., Gopalakrishnan, S., Roca, A., Ishida, Y., Mumby, H., **Fernandes, C. R.**, Gilbert, T., & Ramos-Madriral, J. African savanna elephant mitochondrial genomes reveal new haplotypes for Angola and Mozambique. *Evolutionary Applications*. Under review (IF 2024: 3.2)

61) Gomes Martins, N. F., Sun, X., Lanigan, L. T., Hennelly, L., Fontserè, C., Ramos-Madriral, J., Svetličić, I., Galov, A., Florijančić, T., Alqamy, H., Özkurt, Ş. Ö., Kirkova, Z., Goldthorpe, G., Gachal, G. S., Madjdzadeh, S. M., Lortkipanidze, B., Vercammen, P., Krone, O., Männil, P., ..., **Fernandes, C. R.**, Sinding, M.-H., Gilbert, T., & Gopalakrishnan, S. Unravelling the golden jackal's genomic journey: insights into their origin, expansion, and hybridisation across Eurasia from whole-genome data. *iScience* (preprint: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4878887). Under review (IF 2024: 4.1)

- 60) Derouiche, L., Djeghim, C., Reghioui, H., Irzagh, A., Messaoud, N., Tahri, R., ... & **Fernandes, C. R.** (2025). Contribution to the knowledge of the distribution of bats (Chiroptera) in Algeria. *European Journal of Wildlife Research* (preprint: <https://ecoevorxiv.org/repository/view/10131/>). Under review (IF 2024: 2.0)
- 59) Miranda, I., Ruivo, R., Farelo, L., Alvarenga, M., Borowski, Z., Elmeros, M., ... & Melo-Ferreira, J. (2025). Ancient balanced polymorphism underlies long-standing adaptation for seasonal camouflage in the least weasel. *Communications Biology* (preprint: <https://www.biorxiv.org/content/10.1101/2025.11.14.688436v1.full>). In press (IF 2024: 5.1)
- 58) Buzan, E., Dunis, L., Komel, T., Pokorny, B., **Fernandes, C. R.**, Marcic, Z., & Sindicic, M. First insight into genetic diversity of two sympatric marten species between the Alps and Adriatic islands. *PLOS ONE* (preprint: <https://www.biorxiv.org/content/10.1101/2025.07.25.666739v1>). In press (IF 2024: 2.6)
- 57) Derouiche, L., Tahri, R., & **Fernandes, C. R.** Genetic evidence for the rediscovery in the wild of the critically endangered Sahara killifish *Apricaphanius saourensis* (Cyprinodontiformes: Aphaniidae). *The Science of Nature*, 113(1), 21 (IF 2024: 2.1)
- 56) Derouiche, L., Rodrigues, M., Hasnaoui, M., Aissa, R., Hassan-Beigi, Y., Madjdzadeh, S. M., Amr, Z., Cokayne, A., Vercammen, P., & **Fernandes, C. R.** Mitochondrial DNA variation of the striped hyena (*Hyaena hyaena*) in Algeria and further insights into the species' evolutionary history. *Genes*, 17(1), 111. (IF 2024: 2.8)
- 55) Ferreira Da Silva, M. J., Borges, F., Gerini, F., Sá, R. M., Silva, F., Maié, T., Hernández-Alonso, G., Ramos-Madrigal, J., Gopalakrishnan, S., Aleixo-Pais, I., Djaló, M., Fernandes, N., Camará, I., Regalla, A., Casanova, C., Costa, M., Colmonero-Costeira, I., **Fernandes, C. R.**, Chikhi, L., Minhós, T., & Bruford, M. W. Estimating the effective population size across space and time in the Critically Endangered western chimpanzee in Guinea-Bissau: challenges and implications for conservation management. *Evolutionary Applications*, 18(10), e70162 (IF 2024: 3.2)
- 54) Tahri, R., Derouiche, L., & **Fernandes, C. R.** (2025). Potential rediscovery of the endemic critically endangered Sahara killifish (*Apricaphanius saourensis*) in Algeria. *Discover Animals*, 2(1), 42
- 53) Teodoro-Paulo, J., **Fernandes, C.**, Dong, L., Magalhães, S., Duncan, A. B., Alba, J. M., & Kant, M. R. (2025). Suppression of plant resistance may be a common trait among adapted herbivores. *Ecology and Evolution*, 15(7), e71706 (IF 2024: 2.3)
- 52) Secomandi, S., Gallo, G., Rossi, R., **Fernandes, C. R.**, Jarvis, E., Bonisoli-Alquati, A., Gianfranceschi, L., & Formenti, G. (2025). Pangenome graphs and their applications in biodiversity genomics. *Nature Genetics*, 57(1), 13–26. <https://doi.org/10.1038/s41588-024-02029-6> (IF 2024: 29.0)
- 51) Leonard, A., Abalos, J., Adhola, T., Aguirre, W., Aizpurua, O., Ali, S., Andreone, F., Aubret, F., Ávila-Palma, H. D., Alcantara, L. F. B., Beltrán, J. F., Berg, R., Berg, T. B., Bertolino, S., Blumstein, D. T., Boldgiv, B., Borowski, Z., Boubli, J. P., Büchner, S., ... Alberdi, A. (2024). A global initiative for ecological and evolutionary hologenomics. *Trends in Ecology & Evolution*, 39(7), 616–620. <https://doi.org/10.1016/j.tree.2024.03.005> (IF: 17.3)
- 50) Barros, A. L., Raposo, D., Almeida, J. D., Jesus, H., Oliveira, M. A., **Fernandes, C. R.**, MacKenzie, D. I., & Santos-Reis, M. (2024). An integrated assessment of niche partitioning

reveals mechanisms of coexistence between mesocarnivores. *Global Ecology and Conservation*, 54, e03116. <https://doi.org/10.1016/j.gecco.2024.e03116> (IF: 3.4)

49) Mc Cartney, A. M., Formenti, G., Mouton, A., De Panis, D., Marins, L. S., Leitão, H. G., Diedericks, G., Kirangwa, J., Morselli, M., Salces-Ortiz, J., Escudero, N., Iannucci, A., Natali, C., Svardal, H., Fernández, R., De Pooter, T., Joris, G., Strazisar, M., Wood, J. M. D., ... Mazzoni, C. J. (2024). The European Reference Genome Atlas: piloting a decentralised approach to equitable biodiversity genomics. *Npj Biodiversity*, 3(1), 28. <https://doi.org/10.1038/s44185-024-00054-6>

48) Marques, J. P., Alves, P. C., Amorim, I. R., Lopes, R. J., Moura, M., Myers, E., Sim-sim, M., Sousa-Santos, C., Alves, M. J., Borges, P. A. V., Brown, T., Carneiro, M., Carrapato, C., Ceríaco, L. M. P., Ciofi, C., Da Silva, L. P., Diedericks, G., Diroma, M. A., Farelo, L., ... Sousa, V. C. (2024). Building a Portuguese coalition for biodiversity genomics. *Npj Biodiversity*, 3(1), 27. <https://doi.org/10.1038/s44185-024-00061-7>

47) Theissinger, K., **Fernandes, C.**, Formenti, G., Bista, I., Berg, P. R., Bleidorn, C., Bombarely, A., Crottini, A., Gallo, G. R., Godoy, J. A., Jentoft, S., Malukiewicz, J., Mouton, A., Oomen, R. A., Paez, S., Palsbøll, P. J., Pampoulie, C., Ruiz-López, M. J., Secomandi, S., ... Zammit, G. (2023). How genomics can help biodiversity conservation. *Trends in Genetics*, 39(7), 545–559. <https://doi.org/10.1016/j.tig.2023.01.005> (IF: 13.6) (shared first authorship)

46) Hassan-Beigi, Y., Rodrigues, M., Adibi, M. A., Madjdzadeh, S. M., Vercammen, P., Farhadinia, M. S., & **Fernandes, C. R.** (2023). Mitochondrial DNA variation of the caracal (*Caracal caracal*) in Iran and range-wide phylogeographic comparisons. *Mammalian Biology*, 103(1), 83–106. <https://doi.org/10.1007/s42991-022-00328-1> (IF: 1.9)

45) Rosalino, L. M., Matias, G., Carvalho, J., Álvares, F., Azevedo, A., Bandeira, V., **Fernandes, C.**, Ferreras, P., Gortázar, C., Lozano, J., Monterroso, P., Palomares, F., Santos, N., Serra, R., Da Silva, A. P., Virgós, E., & Santos-Reis, M. (2023). Three decades of research on Iberian wild Carnivora: trends, highlights, and future directions. *Mammal Review*, 53(4), 254–270. <https://doi.org/10.1111/mam.12322> (IF: 4.3)

44) Meißner, R., Winter, S., Westerhüs, U., Sliwa, A., Greve, C., Bottriell, L. G., Bottriell, P., **Fernandes, C. R.**, Vercammen, P., Hunter, L. T. B., Abramov, A. V., Khalatbari, L., Horin, P., Burger, P. A., & Prost, S. (2023). The potential and shortcomings of mitochondrial DNA analysis for cheetah conservation management. *Conservation Genetics*, 24(1), 125–136. <https://doi.org/10.1007/s10592-022-01483-1> (IF: 2.0)

43) Minhós, T., Borges, F., Parreira, B., Oliveira, R., Aleixo-Pais, I., Leendertz, F. H., Wittig, R., **Fernandes, C. R.**, Marques Silva, G. H. L., Duarte, M., Bruford, M. W., Ferreira Da Silva, M. J., & Chikhi, L. (2023). The importance of well protected forests for the conservation genetics of West African colobine monkeys. *American Journal of Primatology*, 85(1), e23453. <https://doi.org/10.1002/ajp.23453> (IF: 2.0)

42) Basuony, A. E., Saleh, M., Sarhan, M., Younes, M., Abdel-Hamid, F., **Rodríguez Fernandes, C.**, Vercammen, P., Aboshaala, F., Bounaceur, F., Chadwick, E. A., & Hailer, F. (2023). Paraphyly of the widespread generalist red fox (*Vulpes vulpes*): introgression rather than recent divergence of the arid-adapted Rüppell's fox (*Vulpes rueppellii*)? *Biological Journal of the Linnean Society*, 138(4), 453–469. <https://doi.org/10.1093/biolinnean/blad001> (IF: 2.0)

41) Formenti, G., Theissinger, K., **Fernandes, C.**, Bista, I., Bombarely, A., Bleidorn, C., Ciofi, C., Crottini, A., Godoy, J. A., Höglund, J., Malukiewicz, J., Mouton, A., Oomen, R. A., Paez, S., Palsbøll, P. J., Pampoulie, C., Ruiz-López, M. J., Svardal, H., Theofanopoulou, C., ... Zammit,

G. (2022). The era of reference genomes in conservation genomics. *Trends in Ecology & Evolution*, 37(3), 197–202. <https://doi.org/10.1016/j.tree.2021.11.008> (IF: 16.8) (shared first authorship)

40) Prost, S., Machado, A. P., Zumbroich, J., Preier, L., Mahtani-Williams, S., Meissner, R., Guschanski, K., Brealey, J. C., **Fernandes, C. R.**, Vercammen, P., Hunter, L. T. B., Abramov, A. V., Plasil, M., Horin, P., Godsall-Bottriell, L., Bottriell, P., Dalton, D. L., Kotze, A., & Burger, P. A. (2022). Genomic analyses show extremely perilous conservation status of African and Asiatic cheetahs (*Acinonyx jubatus*). *Molecular Ecology*, 31(16), 4208–4223. <https://doi.org/10.1111/mec.16577> (IF: 4.9)

39) McDevitt, A. D., Coscia, I., Browett, S. S., Ruiz-González, A., Statham, M. J., Ruczyńska, I., Roberts, L., Stojak, J., Frantz, A. C., Norén, K., Ågren, E. O., Learmount, J., Basto, M., **Fernandes, C.**, Stuart, P., Tosh, D. G., Sindicic, M., Andreanszky, T., Isomursu, M., ... Wójcik, J. M. (2022). Next-generation phylogeography resolves post-glacial colonization patterns in a widespread carnivore, the red fox (*Vulpes vulpes*), in Europe. *Molecular Ecology*, 31(3), 993–1006. <https://doi.org/10.1111/mec.16276> (IF: 4.9)

38) Grilo, C., Afonso, B. C., Afonso, F., Alexandre, M., Aliácar, S., Almeida, A., Alonso, I. P., Álvares, F., Alves, P., Alves, P. C., Alves, P., Amado, A., Amendoeira, V., Amorim, F., Da Silva Aparício, G., Araújo, R., Ascensão, F., Augusto, M., Bandeira, V., ... Da Luz Mathias, M. (2022). Mammals in Portugal: a data set of terrestrial, volant, and marine mammal occurrences in Portugal. *Ecology*, 103(6), e3654. <https://doi.org/10.1002/ecy.3654> (IF: 4.8)

37) Ashrafzadeh, M. R., Khosravi, R., **Fernandes, C.**, Aguayo, C., Bagi, Z., Lavadinović, V. M., Szendrei, L., Beuković, D., Mihalik, B., & Kusza, S. (2021). Assessing the origin, genetic structure and demographic history of the common pheasant (*Phasianus colchicus*) in the introduced European range. *Scientific Reports*, 11(1), 21721. <https://doi.org/10.1038/s41598-021-00567-1> (IF: 4.997)

36) Duarte, M. A., **Fernandes, C. R.**, Heckel, G., Da Luz Mathias, M., & Bastos-Silveira, C. (2021). Variation and selection in the putative sperm-binding region of ZP3 in muroid rodents: a comparison between cricetids and murines. *Genes*, 12(9), 1450. <https://doi.org/10.3390/genes12091450> (IF: 4.141)

35) Ruiz-Capillas, P., Mata, C., Fernández, B., **Fernandes, C.**, & Malo, J. E. (2021). Do roads alter the trophic behavior of the mesocarnivore community living close to them? *Diversity*, 13(4), 173. <https://doi.org/10.3390/d13040173> (IF: 3.031)

34) Derouiche, L., Irzagh, A., Rahmouni, R., Tahri, R., Hadjeloum, M., Bouhadad, R., & **Fernandes, C.** (2020). Deep mitochondrial DNA phylogeographic divergence in the threatened aoudad *Ammotragus lervia* (Bovidae, Caprini). *Gene*, 739, 144510. <https://doi.org/10.1016/j.gene.2020.144510> (IF: 3.688)

33) Silva, A. P., Mukherjee, S., Ramakrishnan, U., **Fernandes, C.**, & Björklund, M. (2020). Closely related species show species-specific environmental responses and different spatial conservation needs: *Prionailurus* cats in the Indian subcontinent. *Scientific Reports*, 10(1), 18705. <https://doi.org/10.1038/s41598-020-74684-8> (IF: 4.380)

32) Santos, T. L., **Fernandes, C.**, Henley, M. D., Dawson, D. A., & Mumby, H. S. (2019). Conservation genetic assessment of savannah elephants (*Loxodonta africana*) in the Greater Kruger Biosphere, South Africa. *Genes*, 10(10), 779. <https://doi.org/10.3390/genes10100779> (IF: 3.759) (shared first authorship)

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Serrano B., Ribeiro F., Ribeiro R., Chainho P., Clemente A., Duarte C., **Fernandes C.**, Máguas C., Rebelo T., Rebelo R. & H. Trindade. 2023. Using the Environmental Impact

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Silva A. P., Thörn F., Curveira-Santos G., Nadig S., Navya R., **Fernandes C.**, Mukherjee S., Ramakrishnan U. & M. Björklund. 2020. Forest loss and its potential effect on the mammal community inside protected areas of northeast India. World Biodiversity Forum 2020, Davos, Switzerland, February 23-28

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Rodrigues M., Santos-Reis M. & **Fernandes C.** 2011. First set of microsatellite markers for genetic studies in the weasel (*Mustela nivalis*). 8th International Conference on Behaviour, Physiology and Genetics of Wildlife, Berlin, Germany, September 14-17

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Santos-Reis M., **Fernandes C.**, Ginja C., Pereira I. & M. Bruford. 2006. Designing species-specific molecular markers for the carnivore guild of Portugal: conservation applications. Evolution 2006, Stony Brook University, USA, June 27

Invited Talks

Fernandes C. 2011. Phylogeography, population structure and evolutionary history of the cheetah (*Acinonyx jubatus*). IV Congresso Ordem dos Biólogos, Ponta Delgada, São Miguel, Azores, Portugal, October 14

Fernandes C. 2011. Phylogeography, population structure and evolutionary history of the cheetah (*Acinonyx jubatus*). National Center for Biological Sciences, Bangalore, India, January 10

Fernandes C. 2009. Phylogeography of circum-Mediterranean carnivores and Afro-Eurasian biogeography. Tlemcen University, Tlemcen, Algeria, November 11

Fernandes C. 2007. Phylogenetics and conservation genetics of the Arabian leopard, *Panthera pardus nimr*. Arabian Leopard Conservation Strategy Workshop. Breeding Centre for Endangered Arabian Wildlife, Sharjah, United Arab Emirates, January 28

Fernandes C. 2006. Biogeography, evolutionary history and conservation genetics of carnivores. National Center for Biological Sciences, Bangalore, India, June 16

Fernandes C. 2006. Phylogeography of circum-Mediterranean carnivores and Afro-Eurasian biogeography. Rabat Scientific Institute, Rabat, Morocco, January 25

Fernandes C. 2006. Conservation genetics and molecular systematics of Arabian mammals. Breeding Centre for Endangered Arabian Wildlife, Sharjah, United Arab Emirates, January 12

Fernandes C. 2005. Phylogeography of circum-Mediterranean carnivores and Afro-Eurasian biogeography. Oviedo University, Oviedo, Spain, November 15

Research Project Grants

2025-: FCT grant for an exploratory research project on “From species to function: biodiversity-based metrics for post-fire ecological restoration” (ref. 2024.14373.PEX) (59.5 K€). Role: team member

2021-: Savannah Resources Plc funding for Iberian wolf monitoring in northern Portugal to assess the potential impact of the construction of the Barroso lithium mine: “Iberian wolf monitoring plan – Mina do Barroso”. Role: team member

2025-2026: FCT grant for an exploratory research project on “The role of genetic variation and soil microbiome in the diversity of terpene specialized metabolism in *Thymus caespititius*” (ref. 2023.15081.PEX) (50 K€). Role: team member

2023-2026: FCT grant for a research project on “OCELOT – One Health empirico-mechanistic modelling of antimicrobial resistance” (ref. 2022.01539.PTDC) (250 K€). Role: team member

2023-2024: FCUL grant for a research project on “INVASIVES - Biological invasions across terrestrial and marine habitats: histories, common traits, and ecological impacts” (50 K€). Role: team member

2010-2013: FCT grant for a research project on the “Effects of habitat fragmentation on the population structure and connectivity of forest-dwelling species: a comparative

landscape genetics approach” (ref. PTDC/BIA-BEC/101511/2008) (189 K€). Role: Principal Investigator

2010-2013: FCT grant for a research project on “DILEMA - Espécies invasoras e dilemas de conservação: efeito dos competidores nativos e presas exóticas na dispersão do visão Americano em Portugal” (ref. PTDC/BIA-BEC/102433/2008) (170 K€). Role: team member

2010-2013: FCT grant for a research project on the “Guinea-Bissau endangered chimpanzee conservation genetics: Biological Anthropology contribution to biodiversity conservation” (ref. PTDC/CS-ANT/099184/2008) (155 K€). Role: team member

2007-2010: FCT grant for a research project on “Identifying highly diagnostic molecular markers from domestication genes to efficiently detect hybrids between wolf/dog and wild/domestic cat” (ref. PTDC/CVT/71683/2006) (175 K€). Role: team member

2005-2008: FCT grant for a research project on “Comparative phylogeography and evolution of sympatric carnivores in the Mediterranean region” (ref. POCTI/BIA-BDE/61491/2004) (97 K€). Role: team member

2003-2005: FCT grant for a research project on “Non-invasive monitoring of Iberian carnivores: using molecular scatology towards conservation (NIMIC)” (ref. POCTI/BSE/40788/2001) (115 K€). Role: team member

Research collaborations and networks

Listed below are the main ongoing research collaborations, and networks in which I participate, both in Portugal and internationally.

National: Margarida Santos-Reis (CE3C), Francisco Petrucci-Fonseca (CE3C), Helena Trindade (CE3C), Mónica Cunha (CE3C), Isabel Amorim (CE3C), Tânia Minhós (NOVA FCSH), Joana Ferreira e Silva (CIBIO, University of Porto), Lounès Chikhi (CE3C); ‘Biogenome Portugal’ network (<https://www.nature.com/articles/s44185-024-00061-7>; <https://sicnoticias.pt/pais/2024-09-22-biogenoma-portugal-cientistas-unem-se-em-consorcio-pela-conservacao-de-especies-98e04b3c>; <https://www.publico.pt/2024/09/18/azul/noticia/biologos-ecologos-portugueses-unem-se-conservacao-especies-2104527>; <https://www.dnoticias.pt/2024/9/18/420163-biologos-e-ecologos-portugueses-unem-se-em-consorcio-para-conservacao-de-especies/>)

International: Tom Gilbert (University of Copenhagen, Denmark), Shyam Gopalakrishnan (University of Copenhagen, Denmark), Jazmín Ramos Madrigal (University of Copenhagen, Denmark), Hannah Mumby (University of Hong Kong, China), Antoinette Kotze (National Zoological Gardens of South Africa), Mats Bjorklund (Uppsala University, Sweden), Frank Hailer (Cardiff University, Wales, UK), Pamela Burger (University of Veterinary Medicine Vienna, Austria), Stefan Probst (University of Oulu, Finland), Szilvia Kusza (University of Debrecen, Hungary), Louiza Derouiche (ESSAIA, Algeria), Paul Vercammen (BCEAW, United Arab Emirates), Baowei Zhang (Anhui University, China), Massoud Madjidzadeh (Shahid Bahonar University of Kerman, Iran); the ‘European Reference Genome Atlas’ (ERGA) network (<https://www.nature.com/articles/s44185-024-00054-6>); the ‘Earth Hologenome Initiative’ (<https://www.earthhologenome.org/>; <https://doi.org/10.1016/j.tree.2024.03.005>); COST Action ‘Genetic Nature Observation and Action’ (GENOA; CA23121) (<https://www.cost.eu/actions/CA23121/>)

Referee and editorial activities

Reviewer of manuscripts for the following scientific journals: *Acta Theriologica*; *African Zoology*; *Biological Journal of the Linnean Society*; *Conservation Genetics*; *Conservation Genetics Resources*; *Diversity*; *European Journal of Wildlife Research*; *Gene*; *Genes*; *Heredity*; *Journal of Threatened Taxa*; *Journal of Zoology*; *Mammalia*; *Mammalian Biology*; *Mammal Research*; *Molecular Ecology*; *Molecular Ecology Resources*; *Molecular Phylogenetics and Evolution*; *Oryx*; *Zoological Journal of the Linnean Society*; *Zoological Research*

Reviewer of grant applications for FRCT-Açores and NSC-Poland

Editorial board member of the journals *Genes* (section 'Population and Evolutionary Genetics and Genomics') (<https://www.mdpi.com/journal/genes/sectioneditors/PEGG>) and *Frontiers in Mammal Science* (section 'Life History and Conservation') (<https://www.frontiersin.org/journals/mammal-science/editors>)

Computational data analysis skills

Knowledge and experience in data analysis and use of specialized software for *conservation genetics* (e.g. Bottleneck; NeEstimator; AgeStructure; Migraine; ONeSAMP), *population genetics* (e.g. Arlequin; Genepop; FSTAT; GenoDive; GenAlEx; Genetix; SpageDi; STRUCTURE; TESS; BAPS; NewHybrids; HybridLab; EasyParallel; PowSim; FreeNA; BayesAss; Coancestry; ML-Relate; GeneClass; IM; IMA; DNAsp; HP-Rare; Populations; Lositan; BayeScan; DetSel; LAMARC; Genetree; IPHULA; GONE), *landscape genetics* (e.g. GENELAND; CIRCUITSCAPE; Unicor), *phylogeography* (e.g. TCS; TCSBu; Network; PopART; Contrib), and *phylogenetics* (e.g. M-Coffee; MEGA; PAUP; RAxML; PhyML; BEAST; MrBayes; Treefinder; jModelTest; PartitionFinder; Garli; DAMBE; HyPhy; TreeGraph; FigTree; ABGD; bPTP; FastML; SIMMAP; SeaView; Tree-Puzzle; IQ-Tree)

Experience in population genetic data analysis using R and Python packages and libraries (e.g. adegenet; pegas; VarEff; sumtrees; RhierBAPS; FastBAPS)

Awards and Recognition

Undergraduate Academic Prizes

1993: 4th best first year student at FCUL awarded by the Foundation of the Faculty of Sciences of the University of Lisbon (FFCUL)

Papers

2018: Detry et al. *Sci Nat* 2018 105:63

Highlighted in The Economist, 'How the mongoose got to Spain', <https://www.economist.com/science-and-technology/2018/10/20/how-the-mongoose-got-to-spain>

2018: Liu et al. *Mol Biol Evol* 2018 35:287

News in *Mol Biol Evol* by J. Caspermeyer, 'Scientists find evidence our best friends, dogs, similarly adapted to malaria in Africa',

<https://academic.oup.com/mbe/article/35/2/523/4677332>

Highlighted in National Public Radio (NPR), 'Dogs and people have more in common than you might think',

<https://www.npr.org/sections/goatsandsoda/2017/10/13/557166894/dogs-and-people-have-more-in-common-than-you-might-think?f=&ft=nprml?f=&ft=nprml&t=1597410068568>

2016: Rodrigues et al. *Genetica* 2016 144:191

Highlighted in Egypt Today, 'In search of the Egyptian hedgehog',
<https://www.egypttoday.com/Article/4/3075/In-Search-Of-The-Egyptian-Hedgehog>

2011: Charruau et al. *Mol Ecol* 2011 20:706

Highlighted in USA Today, 'Three distinct cheetah populations, but Iran's on the brink',
<http://content.usatoday.com/communities/sciencefair/post/2011/01/three-distinct-cheetah-populations-but-irans-on-the-brink/1#.XzZwwx1JmWg>

Highlighted in BBC Earth News, 'Iran's endangered cheetahs are a unique subspecies',
http://news.bbc.co.uk/earth/hi/earth_news/newsid_9365000/9365567.stm

Highlighted in Scientific American, 'Asian cheetahs racing toward extinction',
<https://blogs.scientificamerican.com/extinction-countdown/asian-cheetahs-racing-toward-extinction/>

Highlighted in Science Daily, 'The need for conservation of Asiatic cheetahs',
<https://www.sciencedaily.com/releases/2011/01/110117082300.htm>

Highlighted in Promega Connections, 'Don't judge a cheetah by its spots: new insights into the genetics and evolutionary history of African and Asiatic cheetahs',
<https://www.promegaconnections.com/dont-judge-a-cheetah-by-its-spots-new-insights-into-the-genetics-and-evolutionary-history-of-african-and-asiatic-cheetahs/>

Supervised students

2018: Best Poster awarded to Teresa Santos at Frontiers in E3, cE3c Annual Meeting, FCUL, Lisbon, Portugal, July 9-10

2009: Best Poster awarded to Mafalda Costa at the 27th Mustelid Colloquium, FCUL, Lisbon, Portugal, November 18 – 20

2008: Best Poster awarded to Mafalda Costa at the BEPG Symposium 2008, Cardiff, Wales, May 6

2007: Best Poster 2nd Prize awarded to Mafalda Costa at the 25th Mustelid Colloquium, Trebon, Czech Republic, October 4-7

Teaching

2024-2025: *Licenciatura* in Psychology, FPUL; 'Biological Bases of Behaviour' (1st year students) (6 ECTS) (theoretical classes: 24 hours; practical classes: 26 hours)

2023-2024: *Licenciatura* in Psychology, FPUL; 'Biological Bases of Behaviour' (1st year students) (6 ECTS) (theoretical classes: 24 hours; practical classes: 26 hours)

2022-2023: *Licenciatura* in Psychology, FPUL; 'Biological Bases of Behaviour' (1st year students) (6 ECTS) (theoretical classes: 24 hours; practical classes: 26 hours)

2021-2022: *Licenciatura* in Psychology, FPUL; 'Biological Bases of Behaviour' (1st year students) (6 ECTS) (theoretical classes: 24 hours; practical classes: 26 hours)

2020-2021: Integrated Master in Psychology, FPUL; 'Biology and Genetics' (1st year students) (6 ECTS) (theoretical classes: 24 hours; practical classes: 26 hours)

2019-2020: Integrated Master in Psychology, FPUL; 'Biology and Genetics' (1st year students) (6 ECTS) (theoretical classes: 24 hours; practical classes: 88 hours)

MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 35 hours)

2018-2019: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 35 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical classes: 24 hours; theoretical-practical classes: 32 hours)

2017-2018: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 21 hours)

MSc in Conservation Biology, DBA-FCUL; 'Advanced Studies in Conservation Biology II: Integrated Methods of Conservation Biology' (6 ECTS) (theoretical classes: 11.2 hours; theoretical-practical classes: 8.4 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical classes: 15.75 hours; theoretical-practical classes: 21 hours)

2016-2017: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 21 hours)

MSc in Conservation Biology, DBA-FCUL; 'Advanced Studies in Conservation Biology II: Integrated Methods of Conservation Biology' (6 ECTS) (theoretical classes: 11.2 hours; theoretical-practical classes: 8.4 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical classes: 15.75 hours; theoretical-practical classes: 21 hours)

2015-2016: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 28 hours)

MSc in Conservation Biology, DBA-FCUL; 'Advanced Studies in Conservation Biology II: Integrated Methods of Conservation Biology' (6 ECTS) (theoretical classes: 5.6 hours; theoretical-practical classes: 8.4 hours)

MSc in Evolutionary and Developmental Biology, DBA-FCUL; 'Seminars in Evolutionary and Developmental Biology' (3 ECTS) (theoretical-practical classes: 35 hours)

MSc in Evolutionary and Developmental Biology, DBA-FCUL; 'Research Practice in Evolutionary and Developmental Biology II' (3 ECTS) (practical and laboratorial classes: 35 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical classes: 13.86 hours; theoretical-practical classes: 42 hours)

2014-2015: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 30 hours)

MSc in Conservation Biology, DBA-FCUL; 'Ex-situ Animal Conservation' (6 ECTS) (theoretical classes: 30 hours; theoretical-practical classes: 45 hours)

MSc in Evolutionary and Developmental Biology, DBA-FCUL; 'Seminars in Evolutionary and Developmental Biology' (3 ECTS) (theoretical-practical classes: 37.5 hours)

MSc in Evolutionary and Developmental Biology, DBA-FCUL; 'Research Practice in Evolutionary and Developmental Biology II' (3 ECTS) (practical and laboratorial classes: 37.5 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical classes: 14.85 hours; theoretical-practical classes: 45 hours)

BSc in Biology, FCUL; 'Guided Study in Evolutionary and Developmental Biology' (3rd year students) (6 ECTS) (tutorial guidance: 22.5 hours)

2013-2014: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 37.5 hours)

MSc in Evolutionary and Developmental Biology, DBA-FCUL; 'Seminars in Evolutionary and Developmental Biology' (3 ECTS) (theoretical-practical classes: 37.5 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical classes: 45 hours; theoretical-practical classes: 60 hours)

Post-Graduation in Biological and Forensic Anthropology, ISCSP-UTL; 'Human and Forensic Genetics' (4 ECTS) (theoretical classes: 18 hours)

2012-2013: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 26 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical-practical classes: 50 hours)

Post-Graduation in Biological and Forensic Anthropology, ISCSP-UTL; 'Human and Forensic Genetics' (4 ECTS) (theoretical classes: 18 hours)

2011-2012: MSc in Conservation Biology, DBA-FCUL; 'Conservation Genetics' (3 ECTS) (theoretical-practical classes: 24 hours)

BSc in Biology, FCUL; 'Applied Animal Genetics' (3rd year students) (6 ECTS) (theoretical-practical classes: 56 hours)

Post-Graduation in Biological and Forensic Anthropology, ISCSP-UTL; 'Human and Forensic Genetics' (4 ECTS) (theoretical classes: 18 hours)

2011: Three-day ‘Advanced Course in Landscape Genetics’, CBA-FCUL (July 27-29; 18 hours)

2010-2011: Post-Graduation in Biological and Forensic Anthropology, ISCSP-UTL; ‘Human and Forensic Genetics’ (4 ECTS) (theoretical classes: 18 hours)

2009-2010: MSc in Conservation Biology, DBA-FCUL; ‘Conservation Genetics’ (3 ECTS) (theoretical-practical classes: 30 hours)

Post-Graduation in Biological and Forensic Anthropology, ISCSP-UTL; ‘Human and Forensic Genetics’ (4 ECTS) (theoretical classes: 18 hours)

Supervision Experience

PhD theses

Júlio Joel Laia (2024-): “Genomic variation and adaptive phenotypic plasticity of terpene specialized metabolism in *Thymus caespititius* (Lamiaceae: Menthinae)” (co-supervision with Professor Maria Helena Trindade, FCUL, University of Lisbon) (student of the Biodiv Doctoral Programme: <http://www.biodiv.pt/>; FCT PhD grant 2021.05097.BD)

Teresa Leonor Nunes dos Santos Nobre dos Santos (2018-2026): “Impacts of anthropogenic pressure on genetic and phenotypic diversity of the African elephant (*Loxodonta africana*) in southern Africa” (co-supervision with Dr. Hannah Mumby, University of Cambridge, and Professor Tom Gilbert, University of Copenhagen) (student of the Biodiv Doctoral Programme: <http://www.biodiv.pt/>; FCT PhD grant PD/BD/140839/2018)

Nuno Filipe Gomes Martins (2020-2025): “Reconstructing the evolutionary history of African golden wolves and Eurasian golden jackals using population genomics” (co-supervision with Professor Tom Gilbert, University of Copenhagen, and Professor Shyam Gopalakrishnan, University of Copenhagen) (FCT PhD grant SFRH/BD/146354/2019)

Jéssica Teodoro-Paulo (2018-2023): “Genetic variation and trait plasticity in plant defence suppression” (co-supervision with Dr. Merijn Kant, University of Amsterdam, and Professor Alison Duncan, University of Montpellier) (student of the Biodiv Doctoral Programme: <http://www.biodiv.pt/>; FCT PhD grant SFRH/BD/136416/2018)

André Pinto Silva (2013-2022): “An integrative approach for evaluating and designing networks of protected areas under climate change: a test using small felids in India” (co-supervision with Professor Mats Björklund, Uppsala University, and Dr. Shomita Mukherjee, Sálím Ali Centre for Ornithology and Natural History - India) (FCT PhD grant SFRH/BD/91190/2012)

Ana Catarina Afonso Silva (2013-2018): “Evolutionary history of sympatric rainbow skinks from the Australian monsoonal tropics” (co-supervision with Professor Craig Moritz, Australian National University, and Professor Maria Manuela Coelho, University of Lisbon) (FCT PhD grant SFRH/BD/88740/2012)

Mafalda Silva Pinto Basto (2008-2015): “Population and landscape genetics of the stone marten and red fox in Portugal: implications for conservation management of common carnivores” (co-supervision with Professor Michael Bruford, Cardiff University, and Professor Margarida Santos-Reis, University of Lisbon) (FCT PhD grant SFRH/BD/38410/2007)

Mafalda Bento Costa (2007-2014): “Phylogeography and hybridization in the European polecat (*Mustela putorius*)” (co-supervision with Professor Michael Bruford, Cardiff University, and Professor Margarida Santos-Reis, University of Lisbon) (FCT PhD grant SFRH/BD/32488/2006)

MSc theses

Maria Natividade (2023-2025): “Gene flow between Iberian wolves (*Canis lupus signatus*) from the Peneda/Gerês and the Alvão/Padrela nuclei” (co-supervision with Professor Francisco Petrucci-Fonseca, FCUL, University of Lisbon)

Ivo Oliveira Alves (2021-2025): “Unveiling the demographic history of three Malagasy amphibian species using ddRAD sequencing” (co-supervision with Dr. Angelica Crottini, CIBIO – University of Porto)

Margarida Quilhó de Almeida (2022-2024): “Non-invasive genetic monitoring and population size estimation of Iberian wolf *Canis lupus signatus* in northwest Portugal” (co-supervision with Professor Francisco Petrucci-Fonseca, FCUL, University of Lisbon)

Hugo Alexandre Pedro de Jesus (2022-2024): “Assessing mesocarnivores trophic niche using genetic identification of faecal samples” (co-supervision with Professor Margarida Santos-Reis, FCUL, University of Lisbon)

Francisco Silva (2021-2024): “Population Genomic Survey of Two Non-Human Primate Species in Sub-Saharan West Africa” (co-supervision with Dr. Tânia Minhós, FCSH – NOVA University Lisbon)

Maria Viegas Dias Rodrigues (2020-2022): “Non-invasive sampling and genetic variability, structure, and dynamics of the Barroso region wolf nucleus” (co-supervision with Professor Francisco Petrucci-Fonseca, FCUL, University of Lisbon)

Patrícia Cruz Gonçalves Guedes (2017-2019): “Spatial patterns of genetic diversity in *Hyla molleri*” (co-supervision with Dr. Ana Veríssimo, CIBIO – University of Porto)

Rodrigo Pacheco Valamatos Costa (2016-2017): “Identification of SNPs in genes potentially affected by domestication to efficiently detect hybridization between wild and domestic cats”

Teresa Leonor Nunes dos Santos Nobre dos Santos (2016-2017): “Genetic characterisation of an African elephant (*Loxodonta africana*) population: the role of genetic relatedness in male social groups” (co-supervision with Dr. Hannah Mumby, University of Cambridge)

Rúben Filipe Sousa de Oliveira (2016-2017): “Genetic structure and demographic history of two west African colobine monkeys: the effects of habitat fragmentation and hunting” (co-supervision with Dr. Tânia Minhós, FCSH – NOVA University Lisbon)

Pedro Miguel Santos Neves (2015-2016): “The relative importance of clade age, ecology and life-history traits in mammalian species richness” (co-supervision with Dr. Fernando Ascensão, InBIO – ISA)

Yasaman Hassan Beigi (2014-2015): “Conservation genetics of the caracal *Caracal caracal* in Iran”

Margarida Ladeira Felício Gonçalves (2012-2013): “Phylogenetic diversity of bird communities along land-use gradients” (co-supervision with Professor Roland Brandl, Phillips University of Marburg)

Ana Catarina Afonso Silva (2010-2011): “A landscape genetics approach to a contact zone of two *Salamandra salamandra* subspecies in southwest Portugal” (co-supervision with Professor Maria Manuela Coelho, FCUL, University of Lisbon)

Fabiana Carvalho Marques (2010-2011): “Avaliação da conectividade entre sítios Natura2000 para invertebrados terrestres usando modelos de distribuição de Carabídeos” (co-supervision with Professor Artur Serrano, FCUL, University of Lisbon)

Research technicians

Maria Natividade (2025-), within the project “Iberian wolf monitoring plan – Mina do Barroso” (co-supervision with Professor Francisco Petrucci-Fonseca, FCUL, University of Lisbon)

Margarida Quilhó de Almeida (2024-2025), within the project “Iberian wolf monitoring plan – Mina do Barroso” (co-supervision with Professor Francisco Petrucci-Fonseca, FCUL, University of Lisbon)

Leticia Duarte (2022-2024), within the project “Iberian wolf monitoring plan – Mina do Barroso” (co-supervision with Professor Francisco Petrucci-Fonseca, FCUL, University of Lisbon)

Mariana Lapa (2021-2022), within an Iberian wolf monitoring project in northern Portugal to assess the potential impact of the construction of the Barroso lithium mine: “Iberian wolf monitoring plan – Mina do Barroso” (co-supervision with Professor Francisco Petrucci-Fonseca, FCUL, University of Lisbon)

Mariana Lapa (2020-2021), within the project “Conservation of the Iberian Imperial Eagle (*Aquila adalberti*) in Portugal” (LIFE13/NAT/PT/1300) (co-supervision with Professor Margarida Santos-Reis, FCUL, University of Lisbon)

Jacinta Mullins (2010-2013), within the project “Effects of habitat fragmentation on the population structure and connectivity of forest-dwelling species: a comparative landscape genetics approach” (PTDC/BIA-BEC/101511/2008)

Luciana Gaspar Simões (2010-2013), within the project “Effects of habitat fragmentation on the population structure and connectivity of forest-dwelling species: a comparative landscape genetics approach” (PTDC/BIA-BEC/101511/2008)

Mónica Rodrigues (2008-2010), within the project “Identifying highly diagnostic molecular markers from domestication genes to efficiently detect hybrids between wolf/dog and wild/domestic cat” (PTDC/CVT/71683/2006)

Mónica Rodrigues (2005-2008), within the project “Comparative phylogeography and evolution of sympatric carnivores in the Mediterranean region” (POCTI/BIA-BDE/61491/2004)

Participation in Thesis Defence Committees

PhD theses

2026: Filipa Borges - “Integrating genomics with local knowledge to understand responses of West African primates to past and present ecological and anthropogenic changes”, FCSH – NOVA University Lisbon. Role: examiner

2024: Beatriz Ramos - “Antimicrobial resistance phylodynamics and source attribution under a One Health framework”, University of Lisbon. Role: jury member

2022: Pedro Horta - “On the history of mixing: knowledge trends on relevance, patterns and drivers of adaptive introgression”, University of Porto. Role: jury member

2022: Leili Khalatbari - “Lasts of their kind? Biogeography, ecology and action plan for the conservation of the critically endangered Asiatic cheetah”, University of Porto. Role: jury member

2021: Joana Maria Laranjeira Rocha - “Life in deserts: a genomic history of adaptation and introgression in North African foxes”, University of Porto. Role: jury member

2021: Federica Lucati - “Linking phylogeography and recent dispersal in high mountains: Insights from two Iberian amphibians”, University of Lisbon. Role: jury member

2020: Joana Madeira Hancock - “The sea turtles of São Tomé and Príncipe: ecology, genetics and current status of distinct species nesting on an oceanic archipelago”, University of Lisbon. Role: jury member

2016: Julio César Chávez Galarza - “Population genomics and landscape genetics of the Iberian honey bee (*Apis mellifera iberiensis*)”, University of Minho. Role: second examiner

2013: Rui Miguel Moutinho Sá - “Phylogeography, conservation genetics and parasitology of chimpanzees (*Pan troglodytes verus*) in Guinea-Bissau, West Africa”, FCSH – NOVA University Lisbon. Role: second examiner

2013: Fernando Jorge Portela Martins Ascensão - “Ecologically scaled responses of forest-dwelling vertebrates to habitat fragmentation”, University of Lisbon. Role: jury member

2011: Samrat Mondol - “Phylogeography and Population Genetics of the Bengal Tiger (*Panthera tigris tigris*) in the Indian Subcontinent”, Manipal University, India. Role: external examiner (written evaluation)

2011: Ana Rita Gabirro da Silva Teixeira do Amaral - “Insights into the evolutionary relationships within the Delphininae, with focus on the genus *Delphinus*: a multi-locus, multi-disciplinary approach”, University of Lisbon. Role: jury member

MSc theses

2025: David Duarte Cortiço - “Analysis of population structure within the *Limonium vulgare* complex in the Iberian Peninsula”, DBA-FCUL. Role: examiner

2024: Miguel Cisneiros e Faria Lourenço - “Comparative demography of endangered species using genomic data”, DBA-FCUL. Role: examiner

2023: Darya Sevastópska - “Genetic portrayal of two colobine monkeys inhabiting a continuous forest in Gola Rainforest National Park”, DBA-FCUL. Role: examiner

2022: Rita Oliveira Afonso - “Population genomics of the endangered Bermuda petrel”, DBA-FCUL. Role: examiner

2018: Sofia Lopes Mendes - “The population genomics of western Iberian *Squalius* freshwater fish species: a genotyping by sequencing approach”, DBA-FCUL. Role: examiner

2018: Cátia Sofia Formas Chanfana - “Genomics of speciation in humpback dolphins (genus *Sousa*)”, DBA-FCUL. Role: examiner

2017: Pedro Miguel Oliveira Madeira - “High unexpected genetic diversity of a narrow endemic terrestrial mollusc”, DBA-FCUL. Role: examiner

2016: Ana Rita Pereira de Almeida - “Evolutionary history and genetic diversity of native cyprinids from the Portuguese West region: implications for conservation management”, DBA-FCUL. Role: examiner

2014: João Gonalo Monteiro Carvalho - “Study on the diversification of flat periwinkles (*Littorina fabalis* and *L. obtusata*): insights from genetics and geometric morphometrics”, DBA-FCUL. Role: examiner

2012: Mauro Feliz da Silva - “Phylogeography and historical demography of *Oceanodroma castro* and *Oceanodroma monteiroi*: contrasting anonymous nuclear and mitochondrial loci”, DBA-FCUL. Role: examiner

2011: Isa Gameiro Aleixo Pais - “Genetic diversity in a little known lemur species from the north of Madagascar (*Microcebus tavaratra*)”, DBA-FCUL. Role: examiner

2011: Carla Cristina Santos Borges Fragoso - “Aplicação de técnicas de biologia molecular no estudo da diversidade genética”, FCT – NOVA University Lisbon. Role: examiner