

Sofia Gonçalves Seabra

Sofia G. Seabra completed a PhD in Biology (Evolutionary Biology) from the Faculty of Sciences, University of Lisbon (FCUL) in 2007. Since April 2020 she has an institutional CEEC contract (<https://doi.org/10.54499/CEECINST/00102/2018/CP1567/CT0040>) as Assistant Researcher at the Global Public Health Teaching and Research Unit of Institute of Hygiene and Tropical Medicine at NOVA University of Lisbon (IHMT-NOVA). Her research on genomics and bioinformatics at IHMT-NOVA integrates the field of public health. She was Principal Investigator in the internally GHTM funded project 'WasteWaterVir - Integrating metavirome analysis of wastewaters into tools for surveillance of infectious diseases', and is a team member in the ongoing WeSearch program (FCG/La Caixa) funded project "Airway colonization and microbiome in relation to asthma and atopy in children from Cabo Verde- RESPIRA-CV", in the ongoing FCT project "Minimizing the emergence and dissemination of HIV-1 drug resistance in PALOPs through an evidence-based portable high-throughput sequencing and computational approach" and on the European Project "EuCARE: European Cohorts of Patients and Schools to Advance Response to Epidemics". Previously she was a postdoctoral researcher at FCUL where her research focused on understanding evolutionary patterns and processes in studies of phylogenetics, phylogeography, population structure, detection of selection, introgression and genotype/phenotype association in several insect species. These studies involved the analyses of high throughput genomics data and the application of several bioinformatics tools, including de novo genome assemblies, resequencing, and genome-wide association studies. She has 35 publications, 9 of which in the last 5 years. She participated in 10 scientific projects, including 2 as Principal Investigator, 1 as Co-Principal Investigator, and 4 as responsible for project tasks. She supervised several post-graduate students and participated in evaluation committees in PhD and Master theses. She teaches Biostatistics in the IHMT Doctoral Programs 'Biomedical Sciences' and 'International Health' and Molecular Epidemiology in the NOVA Masters 'Computational Biology and Bioinformatics'. She was a member of organizing and scientific committees of several scientific meetings and carried out scientific reviewing for scientific journals. Outreach activities included participation in the European Researchers Night events and Ciência Viva program.

Identification

Personal identification

Full name

Sofia Gonçalves Seabra

Citation names

Seabra, Sofia

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Author identifiers

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Knowledge fields

Natural sciences - Biological Sciences - Evolutionary Biology

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
English	Upper intermediate (B2)	Advanced (C1)	Advanced (C1)	Upper intermediate (B2)	
French	Intermediate (B1)	Upper intermediate (B2)	Intermediate (B1)	Intermediate (B1)	
Spanish; Castilian	Beginner (A1)	Intermediate (B1)	Beginner (A1)	Beginner (A1)	

Education

	Degree	Classification
2007/06/22 Concluded	Biologia (Doutoramento) Major in Especialidade: Biologia Evolutiva Universidade de Lisboa - Faculdade de Ciências, Portugal <i>"Patterns of Divergence in Populations of Two Mediterranean Species of Genus Cicada L. (hemiptera, Cicadidae) Based on Microsatellite Genetic Markers and Acoustic Data" (THESIS/DISSERTATION)</i>	Distinção e Louvor
1998 Concluded	Biologia Aplicada aos Recursos Animais - ramo Terrestres (Licenciatura) Universidade de Lisboa Faculdade de Ciências, Portugal	17/20

Affiliation

Science

	Category Host institution/organization	Employer
2020/04/01 - Current	Auxiliary Researcher (Research) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal	Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal

2019/07/01 - 2020/03/31	Researcher (Research) Universidade de Lisboa Faculdade de Ciências, Portugal	Universidade de Lisboa - Faculdade de Ciências, Portugal
2015/12/01 - 2019/06/30	Postdoc (Research) Universidade de Lisboa - Faculdade de Ciências, Portugal	Fundação para a Ciência e a Tecnologia, Portugal
2014/02/01 - 2015/11/30	Postdoc (Research) Universidade de Lisboa - Faculdade de Ciências, Portugal	Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal
2007/09/01 - 2013/12/31	Postdoc (Research) Universidade de Lisboa - Faculdade de Ciências, Portugal	Fundação para a Ciência e a Tecnologia, Portugal

Teaching in Higher Education

	Category Host institution/organization	Employer
2016 - 2018	Invited Assistant Professor (University Teacher) Universidade de Lisboa - Faculdade de Ciências, Portugal	Universidade de Lisboa - Faculdade de Ciências, Portugal

Others

	Category Host institution/organization	Employer
2005/03/01 - 2007/06/01	PhD student/Associate member of Centro de Biologia Ambiental	Universidade de Lisboa - Faculdade de Ciências, Portugal
2000/11/01 - 2005/02/01	PhD grant (SFRH/BD/1027/2000)	Fundação para a Ciência e a Tecnologia, Portugal
1999/11/01 - 2000/10/01	Grant from Fundação da Faculdade de Ciências de Lisboa	Universidade de Lisboa Faculdade de Ciências, Portugal
1999/02/01 - 1999/10/01	Research Technician grant (PRAXIS XXI/BTI/17239/98)	Universidade de Lisboa Faculdade de Ciências, Portugal

Projects

Grant

	Designation	Funders
2024/01 - Current	<p>Respira-CV - Airway colonization and microbiome in relation to asthma and atopy in children from Cabo Verde</p> <p>Respira-CV</p> <p>Researcher</p> <p>Fundação Calouste Gulbenkian, Portugal</p> <p>Fundação 'la Caixa', Portugal</p>	Ongoing
2021/11/01 - Current	<p>EuCARE: European Cohorts of Patients and Schools to Advance Response to Epidemics</p> <p>HORIZON-HLTH-2021-CORONA-01</p> <p>Researcher</p>	
2022/01/01 - 2024/01/01	<p>Minimizing the emergence and dissemination of HIV-1 drug resistance in PALOPs through an evidence-based portable high-throughput sequencing and computational approach</p> <p>PTDC/SAU-PUB/4018/2021</p> <p>Researcher</p> <p>Universidade Nova de Lisboa, Portugal</p> <p>Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal</p>	Ongoing
2022/05 - 2023/08	<p>WasteWaterVir - Integrating metavirome analysis of wastewaters into tools for surveillance of infectious diseases</p> <p>GHTM funding</p> <p>Principal investigator</p> <p>Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal</p>	<p>Universidade Nova de Lisboa Saúde Global e Medicina Tropical, Portugal</p> <p>Ongoing</p>
2020/01/01 - 2022/12/31	<p>Ecosystem services on horticulture: value of native mirid species</p> <p>PTDC/ASP-PLA/29110/2017</p> <p>Researcher</p> <p>FCiênciasID Associação para a Investigação e Desenvolvimento de Ciências, Portugal</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>
2018 - 2021	<p>Effect of EUtrophication and CLimate on POLLinators and ecosystem service provision (EUCLIPO)</p> <p>PTDC/BIA-ECO/28360/2017</p> <p>Researcher</p>	Ongoing

2014/02 - 2015/11	History, chance and selection during local adaptation: a genome-wide analysis Provided by PTCRIS: 127792 Post-doc Fellow Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2010/04 - 2013/09	Mealybug reproductive biology and pheromone-mediated interactions: a basis to develop ecological sound management tactics for pest mealybugs Provided by PTCRIS: 99560 Researcher Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2010/03 - 2013/08	FLYPRED - Has tiger-fly a role in biological control of protected crops? Provided by PTCRIS: 99723 Researcher Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2010/01 - 2013/06	Adaptive significance and genetic basis of a balanced colour-polymorphism Provided by PTCRIS: 98783 PTDC/BIA-BEC/098783/2008 Principal investigator Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded

Contract

	Designation	Funders
2023/01/01 - 2024/06/30	Explorando a inibição de efluxo para o combate à resistência aos antimicrobianos e a biofilmes em estafilococos 2022.07931.PTDC Universidade Nova de Lisboa, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Ongoing

Outputs

Publications

Conference abstract	1	Sofia G. Seabra; Pieter J.K. Libin; Kristof Theys; Anna Zhukova; Barney I. Potter; Hanna Nebenzahl-Guimaraes; Alexander E. Gorbalenya; et al. "Viral genomic surveillance: phylodynamic analysis of Zika virus and proposal of a nomenclature system". 2022.
	2	Sofia G. Seabra; Kristof Theys; Pieter J.K. Libin; Anna Zhukova; Barney I. Potter; Hanna Nebenzahl-Guimaraes; Alexander E. Gorbalenya; et al. "Molecular epidemiology of Zika virus: a worldwide characterization". 2021.
Conference poster	1	Pimentel, Victor; Pingarilho, Marta; Cruz Sebastião; Mafalda Miranda; Seabra, Sofia; GOMES, Perpetua; Abecasis, Ana. "Transmissão do subtipo A de VIH-1 em Portugal: Aborgagens genéticas, clínicas e epidemiológicas.". Paper presented in <i>14^{ªs} Jornadas de Atualização de Doenças Infecciosas do Hospital Curry Cabral (CHLC), 25 e 26 janeiro de 2024, 2024.</i>
	2	Pingarilho, Marta; Pimentel, Victor; Miranda, Mafalda; Seabra, Sofia; GOMES, Perpetua; Abecasis A. "Construção de uma base de dados sociodemográficos, clínicos e genómicos para estudar a epidemia do VIH em Portugal.". Paper presented in <i>14^{ªs} Jornadas de Atualização de Doenças Infecciosas do Hospital Curry Cabral (CHLC), 25 e 26 janeiro de 2024, 2024.</i>
	3	Sofia G. Seabra; Pimentel, Victor; Da Moura, Aires; Tomaz, Filipe; Seixas, Gonçalo; Miranda, Mafalda; Ana Gonçalves Domingos; et al. "Towards a simple and cost-effective protocol for viral surveillance in wastewaters". Paper presented in <i>Microbiotec23, 2023.</i>
	4	André F. Santos; Mónica Nunes; Andreia Silva; Teresa Crespo; Victor Pimentel; Marta Sofia Pereira Pingarilho; Mafalda Miranda; et al. "Viral detection in wastewaters". 2023.
	5	Sofia G. Seabra; Pimentel, Victor; Tomaz, Filipe; Seixas, Gonçalo; Ana Gonçalves Domingos; Pingarilho, Marta; Abecasis, Ana; Parreira, Ricardo. "Viral surveillance in wastewaters: improving sample processing steps and bioinformatic protocols". Paper presented in <i>2nd Egas Moniz One Health Symposium, 2023.</i>
	6	Sofia G. Seabra; Mónica Nunes; Andreia Silva; Teresa Crespo; Victor Pimentel; Marta Sofia Pereira Pingarilho; Pieter Libin; Abecasis AB; Ricardo Parreira. "Virome approach to pathogen surveillance of wastewaters". 2023.
	7	Sofia G. Seabra; Kristof Theys; Pieter Libin; Anna Zhukova; Barney I Potter; Hanna Nebenzahl-Guimaraes; Alexander E Gorbalenya; et al. "Geographic dispersion of Zika virus: a phylodynamic approach". 2021.
	8	Simões, Pedro; Fragata, Ines; Antunes, Marta; Sofia G. Seabra; Faria, Gonçalo; Marta A. Santos; Matos, Margarida. "How predictable is evolution of populations with contrasting history? A study across biological levels.". Paper presented in <i>Evolution Joint Meeting, 2018.</i>

- 9 Simões, Pedro; Fragata, Ines; Sofia G. Seabra; Faria, Gonçalo; Marta A. Santos; Matos, Margarida. "Predictability of evolution of populations with contrasting initial history varies across biological levels.". Paper presented in *XVI Congress of the European Society for Evolutionary Biology (ESEB)*, 2017.
- 10 Simões, Pedro; Sofia G. Seabra; Fragata, Inês; Gonçalo Silva Faria; Santos, MA; Miguel Lopes-Cunha; Matos, Margarida. "Unravelling the genomic content of inversions: a RADseq approach in *Drosophila subobscura*". Paper presented in *Conference on Conservation Genomics*, 2016.
- 11 Simões, Pedro; Fragata, Ines; Seabra, Sofia; Faria, Gonçalo; Marta A. Santos; Matos, Margarida. "How much is adaptive evolution contingent on space and time? A meta-analysis in *Drosophila subobscura*". Paper presented in *XV Congress of the European Society for Evolutionary Biology (ESEB)*, 2015.
- 12 Matos, Margarida; Fragata, Inês; Santos, Josiane; Santos, MA; Margarida Bárbaro; Barbara Kellen; Gonçalo Silva Faria; et al. "Predicting Convergent Evolution? A Multi-level Experiment in *Drosophila subobscura*,". Paper presented in *Forecasting Evolution*, 2014.
- 13 Pina-Martins, Francisco; Vieira, BM; Seabra, Sofia; Batista, Dora; Paulo, Octavio. "The 4Pipe4 analysis pipeline: how to exploit the hidden SNPs in your 454 dataset: a testcase with a *Quercus suber* dataset.". Paper presented in *XIII Congresso Luso-Espanhol de Fisiologia Vegetal (FV2013)*, 2013.

Journal article

- 1 Seabra, Sofia G.; Merca, Francisco; Pereira, Bernardo; Fonseca, Ivo; Carvalho, Ana Cláudia; Brito, Vera; Alves, Daniela; et al. "Serological screening in a large-scale municipal survey in Cascais, Portugal, during the first waves of the COVID-19 pandemic: lessons for future pandemic preparedness efforts". *Frontiers in Public Health* 12 (2024): 1326125. <http://dx.doi.org/10.3389/fpubh.2024.1326125>.
Published · 10.3389/fpubh.2024.1326125
- 2 Mafalda N. S. Miranda; Victor Pimentel; Perpétua Gomes; Maria do Rosário O. Martins; Sofia G. Seabra; Rolf Kaiser; Michael Böhm; et al. "The Role of Late Presenters in HIV-1 Transmission Clusters in Europe". *Viruses* (2023): <https://doi.org/10.3390/v15122418>.
10.3390/v15122418
- 3 Eduardo Marabuto; Miguel S. Nunes; Renata Martins; Raquel Mendes; Tatiana C. Moreira-Pinhal; João Raimundo; Sofia G. Seabra; Octávio S. Paulo. "Integrative analysis reveals the divergence and speciation between sister Sooty Copper butterflies *Lycaena bleusei* and *L. tityrus*". *Molecular Phylogenetics and Evolution* 180 (2023): <https://novaresearch.unl.pt/en/publications/8a9d965d-8e60-467c-bb1a-fd9a0be6f4f2>.
10.1016/j.ympev.2022.107699
- 4 Miranda, Mafalda N. S.; Pingarilho, Marta; Pimentel, Victor; Torneri, Andrea; Seabra, Sofia G.; Libin, Pieter J. K.; Abecasis, Ana B.. "A Tale of Three Recent Pandemics: Influenza, HIV and SARS-CoV-2". *Frontiers in Microbiology* 13 (2022): <http://dx.doi.org/10.3389/fmicb.2022.889643>.
10.3389/fmicb.2022.889643

- 5 Sofia G Seabra; Pieter J K Libin; Kristof Theys; Anna Zhukova; Barney I Potter; Hanna Nebenzahl-Guimaraes; Alexander E Gorbalenya; et al. "Genome-Wide Diversity of Zika Virus: Exploring Spatio-Temporal Dynamics to Guide a New Nomenclature Proposal". *Virus Evolution* (2022): <https://doi.org/10.1093/ve/veac029>.
- 10.1093/ve/veac029
- 6 Sofia G. SEABRA; Joana MARTINS; Patrícia BRÁS; Ana M. TAVARES; Inês FREITAS; António BARATA; Maria Teresa REBELO; et al. "PCR-based detection of prey DNA in the gut contents of the tiger-fly, *Coenosia attenuata* (Diptera: Muscidae), a biological control agent in Mediterranean greenhouses". *European Journal of Entomology* (2021): <https://doi.org/10.14411/eje.2021.035>.
- 10.14411/eje.2021.035
- 7 Sofia G. Seabra; Ana S.B. Rodrigues; Sara E. Silva; Ana Carina Neto; Francisco Pina-Martins; Eduardo Marabuto; Vinton Thompson; et al. "Population structure, adaptation and divergence of the meadow spittlebug, *Philaenus spumarius* (Hemiptera, Aphrophoridae), revealed by genomic and morphological data". *PeerJ* 9 (2021): <https://novaresearch.unl.pt/en/publications/398ade0c-68a3-4896-b444-0fd88094d6f0>.
- 10.7717/peerj.11425
- 8 Silva, Sara E; Seabra, Sofia G; Carvalheiro, Luísa G; Nunes, Vera L; Marabuto, Eduardo; Mendes, Raquel; Rodrigues, Ana S B; et al. "Population genomics of *Bombus terrestris* reveals high but unstructured genetic diversity in a potential glacial refugium". *Biological Journal of the Linnean Society* 129 2 (2019): 259-272. <http://dx.doi.org/10.1093/biolinnean/blz182>.
- Published · 10.1093/biolinnean/blz182
- 9 Sofia G. Seabra; Sara E. Silva; Vera L. Nunes; Vitor C. Sousa; Joana Martins; Eduardo Marabuto; Ana S. B. Rodrigues; et al. "Genomic signatures of introgression between commercial and native bumblebees, *Bombus terrestris*, in western Iberian Peninsula—Implications for conservation and trade regulation". *Evolutionary Applications* 12 4 (2019): 679-691. <https://doi.org/10.1111/eva.12732>.
- 10.1111/eva.12732
- 10 BORGES, PAULO A.V.; RODRIGUES, ANA S.B.; SILVA, SARA E.; SEABRA, SOFIA G.; PAULO, OCTÁVIO S.; QUARTAU, JOSÉ A.. "New data on polymorphism of the meadow spittlebug *Philaenus spumarius* (L.) (Hemiptera: Aphrophoridae) from the island of São Miguel (Azores)". *Zootaxa* 4369 1 (2018): 144-150. <http://dx.doi.org/10.11646/zootaxa.4369.1.9>.
- Published · 10.11646/zootaxa.4369.1.9
- 11 Seabra SG; Fragata I; Antunes MA; Faria GS; Santos MA; Sousa VC; Simões P; Matos M. "Different genomic changes underlie adaptive evolution in populations of contrasting history.". *Molecular biology and evolution* (2017): <http://europepmc.org/abstract/med/29029198>.
- 10.1093/molbev/msx247
- 12 Simões, P.; Fragata, I.; Seabra, S.G.; Faria, G.S.; Santos, M.A.; Rose, M.R.; Santos, M.; Matos, M.. "Predictable phenotypic, but not karyotypic, evolution of populations with contrasting initial history". *Scientific Reports* 7 1 (2017): <http://www.scopus.com/inward/record.url?eid=2-s2.0-85018423716&partnerID=MN8TOARS>.
- 10.1038/s41598-017-00968-1
- 13 Rodrigues, Ana S. B.; Silva, Sara E.; Pina-Martins, Francisco; Loureiro, João; Castro, Mariana; Gharbi, Karim; Johnson, Kevin P.; et al. "Assessing genotype-phenotype associations in three dorsal colour morphs in the meadow spittlebug *Philaenus spumarius* (L.) (Hemiptera: Aphrophoridae) using genomic and transcriptomic resources". (2016): <http://hdl.handle.net/10400.3/4718>.

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- 14 Fragata, Ines; Lopes-Cunha, Miguel; Barbaro, Margarida; Kellen, Barbara; Lima, Margarida; Faria, Goncalo S.; Seabra, Sofia G.; et al. "Keeping your options open: Maintenance of thermal plasticity during adaptation to a stable environment". *Evolution* 70 1 (2016): 195-206. http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:000368249200016&KeyUID=WOS:000368249200016.
10.1111/evo.12828
- 15 Pina-Martins, Francisco; Vieira, Bruno M.; Seabra, Sofia G.; Batista, Dora; Paulo, Octavio S.. "4Pipe4-A 454 data analysis pipeline for SNP detection in datasets with no reference sequence or strain information". *Bmc Bioinformatics* 17 (2016): http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:000368414800002&KeyUID=WOS:000368414800002.
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- 16 Silva, Sara E.; Rodrigues, Ana S. B.; Marabuto, Eduardo; Yurtsever, Selçuk; Borges, Paulo A. V.; Quartau, José A.; Paulo, Octávio S.; Seabra, Sofia G.. "Differential survival and reproduction in colour forms of *Philaenus spumarius* give new insights to the study of its balanced polymorphism". (2015): <http://hdl.handle.net/10400.3/4237>.
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- 17 Seabra, S.G.; Satar, I.; Paulo, O.S.. "Microsatellite loci isolated from *Chamaeleo chamaeleon*". *Journal of Genetics* 94 (2015): 144-147. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84920545999&partnerID=MN8TOARS>.
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- 18 Seabra, Sofia G.; Bras, Patricia G.; Martins, Joana; Martins, Renata; Wyatt, Nigel; Shirazi, Jalal; Rebelo, Maria Teresa; et al. "Phylogeographical patterns in *Coenosia attenuata* (Diptera: Muscidae): a widespread predator of insect species associated with greenhouse crops". *Biological Journal of the Linnean Society* 114 2 (2015): 308-326. http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:000348733700007&KeyUID=WOS:000348733700007.
10.1111/bij.12419
- 19 Matos, Margarida; Simoes, Pedro; Santos, Marta A; Seabra, Sofia G; Faria, Goncalo S; Vala, Filipa; Santos, Josiane; Fragata, Ines. "History, chance and selection during phenotypic and genomic experimental evolution: replaying the tape of life at different levels.". *Frontiers in genetics* 6 (2015): 71-71. <http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=MEDLINE&KeyUT=MEDLINE:25767479&KeyUID=MEDLINE:25767479>.
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- 20 Simões, P.C.; Nunes, V.L.; Mendes, R.; Seabra, S.G.; Paulo, O.S.; Quartau, J.A.. "Tettigettalna josei (Boulard, 1982) (Hemiptera: Cicadoidea): First record in Spain, with notes on the distribution, genetic variation and behaviour of the species". *Biodiversity Data Journal* 2 1 (2014): <http://www.scopus.com/inward/record.url?eid=2-s2.0-85018193872&partnerID=MN8TOARS>.
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- 21 Rodrigues, Ana S. B.; Silva, Sara E.; Marabuto, Eduardo; Silva, Diogo N.; Wilson, Mike R.; Thompson, Vinton; Yurtsever, Selcuk; et al. "New Mitochondrial and Nuclear Evidences Support Recent Demographic Expansion and an Atypical Phylogeographic Pattern in the Spittlebug *Philaenus spumarius* (Hemiptera, Aphrophoridae)". *Plos One* 9 6 (2014): http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:000336911400046&KeyUID=WOS:000336911400046.
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- 22 Seabra, S.G.; Brás, P.G.; Zina, V.; Borges da Silva, E.; Rebelo, M.T.; Figueiredo, E.; Mendel, Z.; Paulo, O.S.; Franco, J.C.. "Molecular Evidence of Polyandry in the Citrus Mealybug, *Planococcus citri* (Hemiptera: Pseudococcidae)". *PLoS ONE* 8 7 (2013): <http://www.scopus.com/inward/record.url?eid=2-s2.0-84879758410&partnerID=MN8TOARS>.
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- 23 Nunes, V.L.; Mendes, R.; Marabuto, E.; Novais, B.M.; Hertach, T.; Quartau, J.A.; Seabra, S.G.; Paulo, O.S.; Simões, P.C.. "Conflicting patterns of DNA barcoding and taxonomy in the cicada genus *Tettigetta* from southern Europe (Hemiptera: Cicadidae)". *Molecular Ecology Resources* (2013): <http://www.scopus.com/inward/record.url?eid=2-s2.0-84883510309&partnerID=MN8TOARS>.
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- 24 Martins, R.F.; Zina, V.; Da Silva, E.B.; Rebelo, M.T.; Figueiredo, E.; Mendel, Z.; Paulo, O.S.; et al. "Isolation and characterization of fifteen polymorphic microsatellite loci for the citrus mealybug, *Planococcus citri* (Hemiptera: Pseudococcidae), and cross-amplification in two other mealybug species". *Journal of genetics* 91 2 (2012): 75-78. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84872238608&partnerID=MN8TOARS>.
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- 25 Seabra, S.G.; Pina-Martins, F.; Marabuto, E.; Yurtsever, S.; Halkka, O.; Quartau, J.A.; Paulo, O.S.. "Molecular phylogeny and DNA barcoding in the meadow-spittlebug *Philaenus spumarius* (Hemiptera, Cercopidae) and its related species". *Molecular Phylogenetics and Evolution* 56 1 (2010): 462-467. <http://www.scopus.com/inward/record.url?eid=2-s2.0-77953132324&partnerID=MN8TOARS>.
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- 26 Pereira, C.M.; Rosado, J.; Seabra, S.G.; Pina-Martins, F.; Paulo, O.S.; Fonseca, P.J.. "Conus pennaceus: A phylogenetic analysis of the Mozambican molluscan complex". *African Journal of Marine Science* 32 3 (2010): 591-599. <http://www.scopus.com/inward/record.url?eid=2-s2.0-78650463656&partnerID=MN8TOARS>.
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Published

Oral presentation

	Presentation title	Event name Host (Event location)
2023/04/20	WasteWaterVir: Surveillance of viral genetic diversity in wastewaters from urban areas	6º Congresso Nacional de Medicina Tropical Instituto de Higiene e Medicina Tropical (Lisbon, Portugal)
2021/11/23	Molecular epidemiology of Zika virus: a worldwide characterization	MICROBIOTEC 21 - Congress of Microbiology and Biotechnology 2021 NOVA University (online, Portugal)
2019/07/14	Demographic history and population structure of <i>Philaenus spumarius</i> (Hemiptera, Aphrophoridae), an insect vector of <i>Xylella fastidiosa</i>	Satellite meeting Dynamics and Mechanism of Insect-Transmitted, XVIII IS-MPMI Congress (Glasgow, United Kingdom)
2019/07/12	Geographic distributions and population genetics of the spittle bug <i>Philaenus spumarius</i> , the insect vector of <i>X. fastidiosa</i> in Europe	BRIGIT, 2nd consortium meeting SASA (Edinburgh, United Kingdom)
2019/05/20	Ocorrência de hibridação entre abelhões comerciais e nativos – potenciais riscos e medidas de gestão	World Bee Day: A Ciência das Abelhas Faculdade de Ciências da Universidade de Lisboa (Lisbon, Portugal)
2018/09/18	Genomic signatures of introgression between commercial and native bumblebees, <i>Bombus terrestris</i> , in the Iberian Peninsula – implications for conservation and trade regulation	EurBee 2018 – 8th Congress of Apidology (Ghent, Belgium)
2017/08/20	Adaptive significance and genetic basis of the dorsal colour polymorphism of <i>Philaenus spumarius</i>	XVI Congress of the European Society for Evolutionary Biology (Groningen, Netherlands)
2017/06/05	The colour polymorphic meadow spittlebug as an ecological model species for the study of genomics of adaptation	Frontiers in E3: cE3c 2017 Annual Meeting Complexo Científico do Campus de Ponta Delgada da Universidade dos Açores (Ponta Delgada, Açores, Portugal)
2016/09/05	Using genomics to understand environmental adaptation of Iberian bumblebees and assess the impact of the use of commercial lineages for crop pollination	Super-B Meeting (5 – 6 September 2016) and 7th EURBEE Congress of Apidology (7 – 9 September 2016) (Cluj – Napoca, Romania)
2016/09/05	Genomic approaches to assess environmental adaptation and detect signatures of introgression between commercial and native pollinators in the Iberian Peninsula	XVII Congresso Ibérico de Entomologia LNEC (Lisbon, Portugal)

2016/06/27	Genomics of laboratory adaptation in clinal populations of <i>Drosophila subobscura</i>	2nd Annual Meeting 2016 – Frontiers in E3 Faculdade de Ciências, Universidade de Lisboa (Lisbon, Portugal)
2016/05/03	Evolve and reseq: tracking genomic changes during adaptation of clinal populations	ConGenomics – Conference on Conservation Genomics (Vairão, Portugal)
2013/08/19	Experimental and genomic approaches in the study of the balanced colour-polymorphism of the meadow spittlebug (<i>Philaenus spumarius</i>)	XIV Congress of the European Society for Evolutionary Biology Faculdade de Ciências, Universidade de Lisboa (Lisbon, Portugal)
2013/07/07	Differential survival and reproduction of the colour morphs of the meadow spittlebug, <i>Philaenus spumarius</i> (Hemiptera, Aphrophoridae)	14th International Auchenorrhyncha Congress (Yangling, China)
2013/03/22	An ecological model species for the study of balanced colour polymorphism: use of genomic tools and experimental approaches	Population Genomics Retreat, Doctoral Program in Population Genomics funded by SNSF (Gruyère, Switzerland)
2011/12/21	Adaptive significance of a multi-allelic balanced colour-polymorphism – Experiments in captivity and population genomics approach	Encontro Nacional Biologia Evolutiva (Coimbra, Portugal)
2010/08/31	Adaptive significance and genetic basis of a balanced colour polymorphism	2nd UK RAD Sequencing meeting (Edinburgh, United Kingdom)
2007/12/21	Padrões de divergência genética e acústica em espécies mediterrânicas do género <i>Cicada</i> L. (Hemiptera, Cicadidae)	III Encontro Nacional de Biologia Evolutiva IGC (Oeiras, Portugal)
2002/10/07	Microsatellite study on allopatric and sympatric populations of <i>Cicada barbara</i> and <i>Cicada orni</i> (Hemiptera, Cicadoidea)	VIIth European Congress of Entomology (Thessaloniki, Greece)
1998/12/11	Actividade de canto, características morfológicas e sucesso reprodutivo no Trigoeirão (<i>Miliaria calandra</i>)	III Congresso Nacional da Sociedade Portuguesa de Etologia (Coimbra, Portugal)

Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2021 - 2022	Fatores sociodemográficos e comportamentais associados à infeção por SARS-CoV-2 no Concelho de Cascais Supervisor	Saúde Pública e Desenvolvimento (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal

2021 - 2022	Fatores clínicos associados à serologia positiva ou autoreporte de teste PCR positivo para SARS-CoV-2 na população de Cascais Co-supervisor	Saúde Pública e Desenvolvimento (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2016 - 2017	Analysis of genomic changes during adaptive evolution in <i>Drosophila subobscura</i> populations of contrasting biogeographical history Co-supervisor of Marta Antunes	Bioinformática e Biologia Computacional (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal
2012 - 2017	Evolutionary history of <i>Philaenus spumarius</i> (Hemiptera, Aphrophoridae) and the adaptive significance and genetic basis of its dorsal colour polymorphism (Formal supervisor in FCT grant, informal supervisor in FCUL) Co-supervisor of Ana Sofia Rodrigues	Biologia - Especialidade Biologia Evolutiva (PhD)
2009 - 2010	Estudo dos padrões filogenéticos e filogeográficos em <i>Philaenus spumarius</i> (Hemiptera, Aphrophoridae) e espécies próximas Co-supervisor of Ana Sofia Rodrigues	Biologia Evolutiva e do Desenvolvimento (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal
2008 - 2009	Caracterização de microssatélites em espécies de ambientes humanizados. Master thesis in Human and Environmental Biology Co-supervisor of Inês Satar	Biologia Humana e Ambiente (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal

Event organisation

	Event name Type of event (Role)	Institution / Organization
2018/10/11 - 2018/10/12	Member of Organizing Committee of the XIV Encontro Nacional de Biologia Evolutiva, Museu Nacional de História Natural e da Ciência, Lisboa, Portugal, 11– 12 October 2018. (2018/10/11 - 2018/10/12) Meeting (Member of the Organising Committee)	
2018/09/04 - 2018/09/07	Member of Organizing Committee of the 14th Meeting of the IOBC-WPRS Working Group, INIAV, Oeiras, Portugal "Integrated control in protected crops, Mediterranean climate" (4 – 7 September 2018). (2018/09/04 - 2018/09/07) Meeting (Member of the Organising Committee)	

2013/08/19 -
2013/08/24

Member of the Organising Committee
of XIV Congress of the European Society
for Evolutionary Biology, FCUL, Lisbon,
Portugal (19 – 24 August 2013).
(2018/08/19 - 2018/08/24)

Congress (Member of the Organising
Committee)

Jury of academic degree

	Theme Role	Candidate name (Type of degree) Institution / Organization
2019	African marine invertebrate data analysis and imaging: a dataset and digital platform for research, education and outreach (Thesis) Main arguer	Henrique Niza (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal
2019	Biodiversity informatics – Entomological data processing, analysis and visualization (Thesis) Main arguer	Leonor Venceslau (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal
2018	Employment of whole genome resequencing to reveal the evolutionary history and to develop molecular tools for Western European honey bees (<i>Apis mellifera</i> subspecies) (Thesis) Arguer	Dora Henriques (PhD) Universidade do Minho Escola de Ciências, Portugal
2018	Black seabream, <i>Spondyliosoma cantharus</i> : stock structure in the eastern Atlantic and characterisation of the biology and fishery in the Portuguese coast (Thesis) Arguer	Ana Neves (PhD) Universidade de Lisboa - Faculdade de Ciências, Portugal
2017	Evolutionary history of <i>Philaenus spumarius</i> (Hemiptera, Aphrophoridae) and the adaptive significance and genetic basis of its dorsal colour polymorphism Thesis Member	Ana Sofia Rodrigues (PhD) Universidade de Lisboa - Faculdade de Ciências, Portugal
2017	Diversity patterns of honey bee (<i>Apis mellifera</i> L.) populations from the archipelago of Azores: insights from mtDNA and wing geometric morphometrics (Thesis) Main arguer	Helena Ferreira (Master) Universidade do Porto Faculdade de Ciências, Portugal
2017	Analysis of genomic changes during adaptive evolution in <i>Drosophila subobscura</i> populations of contrasting	Marta Antunes (Master) Universidade de Lisboa - Faculdade de

biogeographical history
Supervisor

Ciências, Portugal

2011	Morphological and genetic divergence of the mangrove gastropod <i>Cerithidea decollata</i> along the eastern coast of Africa (Thesis) Main arguer	Sara Madeira (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal
2011	On the evolutionary history of the iberian Sooty Copper butterflies Thesis Member	Renata Martins (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal
2010	Estudo dos padrões filogenéticos e filogeográficos em <i>Philaenus spumarius</i> (Hemiptera, Aphrophoridae) e espécies próximas Supervisor	Ana Sofia Rodrigues (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal
2009	Caracterização de microssatélites em espécies de ambientes humanizados Supervisor	Inês Satar (Master) Universidade de Lisboa - Faculdade de Ciências, Portugal

Association member

Society Organization

Role

2023/12 - Current	Associação Portuguesa de Biologia Evolutiva (APBE)	
2023/01 - Current	Sociedade Portuguesa de Entomologia	
2013/07 - Current	International Auchenorrhyncha Society	Member of Board of Administrators

Conference scientific committee

Conference title

Conference host

2023/12/18 - 2023/12/19	XIX ENBE - Annual meeting of Portuguese Association for Evolutionary Biology	Instituto Superior de Agronomia / Universidade Lisboa
2019/07/10 - 2019/07/13	XVIII Congreso Ibérico de Entomologia	
2016/09/05 - 2016/09/08	XVII Congresso Ibérico de Entomologia	LNEC
2015/12/21 - 2015/12/21	XI Encontro Nacional de Biologia Evolutiva	Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa

Evaluation committee

	Activity description Role	Institution / Organization	Funding entity
2018 - 2018	Project evaluation as a scientific expert Evaluator		National Research Agency (ANR), France

Mentoring / Tutoring

	Topic	Student name
2021/07/12 - 2021/07/23	Tutoring in internship "Curtos Estágios Científicos em Férias" organized by ANEM	Carolina Almeida
2018 - 2018	Training of students in Molecular Genetics in the laboratory of Genetics of DBA, FCUL:	Diogo Couceiro (graduate student in Biochemistry); Martina Panisi (PhD student in BIODIV)
2010 - 2013	Co-supervision of research technicians in several projects - field work, laboratory work and data analysis	Eduardo Marabuto; Sara Ema Silva; João Silva; Renata Martins; Patricia Brás; Ana Maria Tavares

Distinctions

Other distinction

1993	Menção Honrosa aos alunos caloiros que concluíram o 1º ano com melhores classificações Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal
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