

Jéssica Teodoro-Paulo



Personal website

jessicateodoropaulo.weebly.com

Birthday

21 December 1994

Nationality

Portuguese

Contacts

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Languages

Portuguese (native)
English (proficient)
French (basic)

Knowledge Fields

Natural Sciences

Evolutionary Biology,
Population Adaptation,
Ecology

Agrarian Sciences Crop
pests (plant-herbivore
interactions)

Current Positions

Nov 2018 **PhD Student Fellow**

Present

Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University

Project: Genetic variation and trait plasticity in plant defence suppression

Supervisors: Dr. Merijn Kant, Dr. Alison Duncan and Dr. Carlos Fernandes (Dr. Sara Magalhães until Dec 2020)

Funding: Competitive Scholarship by Fundação para a Ciência e a Tecnologia (FCT)

Dec 2020 **Volunteer at Green Iglu**

Present

Canadian charitable organization on food security

Past Positions

Fev–Dec 2020 **PhD Student Fellow**

2020

Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University

Project: As part of COMPCON: Competition Under (Niche) Construction

Supervisors: Dr. Sara Magalhães and Dr. Alison Duncan

Funding: Secured by Dr. Sara Magalhães through a Consolidator European Research Council (ERC) Grant

Academic Degrees

Nov 2018 **PhD** in Biodiversity, Genetics and Evolution (BIODIV)

Present

Faculty of Sciences of University of Lisbon and University of Porto

Thesis Title: The Ecological and Evolutionary Consequences of Defence Suppression by Herbivores

Supervisors: Dr. Merijn Kant, Dr. Alison Duncan and Dr. Carlos Fernandes (Dr. Sara Magalhães until Dec 2020)

2015–2017 **Master of Sciences (M.Sc.)** in Evolutionary and Development Biology (18/20)

Faculty of Sciences of University of Lisbon

Thesis Title: Interaction with plant defences in spider mites with different degrees of specialization (19/20)

Supervisors: Dr. Sara Magalhães and Dr. Cristina Branquinho

2012–2015 **Bachelor Degree** in Biology (16/20)

Faculty of Sciences of University of Lisbon

International Peer-Review Publications

Interests

Evolution and Ecology,
Abiotic and biotic
stress in plants,
Genetics

Programming Languages and Software

Languages

R (proficient)
L^AT_EX (basic)

Software

XLSForm (proficient)
ImageJ (basic)
ilastik (basic)

Skills

Laboratory Techniques

- RNA extraction and
Reverse transcriptase
treatment
- Real-time polymerase
chain reaction (qPCR)
- Measurements with
UniSpec
Spectroradiometer
(PP-Systems)

Hobbies

Chinese Martial Arts

- Portuguese
Federation of Chinese
Martial Arts, 2020
- Silver and Bronze
Medal Winner at
Regional and National
Competition

Crafts

Knitting
Pottery

Books

Scientific Books
Historical Novels

1. 2020, Diogo P. Godinho, Miguel A. Cruz, Maud Charlery de la Masselière, Jéssica Teodoro-Paulo, Cátia Eira, Inês Fragata, Leonor R. Rodrigues, Flore Zélé, Sara Magalhães *Creating Outbred and Inbred Populations of Haplodiploid Mites to Measure Adaptive Responses in the Lab*; Ecology and Evolution; doi: 10.1002/ece3.6454
2. 2018, Jéssica T. Paulo, Diogo P. Godinho, Anabela Silva, Cristina Branquinho, Sara Magalhães; *Suppression of Plant Defenses by Herbivorous Mites Is Not Associated with Adaptation to Host Plants*; Int J Mol Sci; doi: 10.3390/ijms19061783

Oral Communications

International Conferences

1. 2021, Jéssica Teodoro-Paulo, Sara Magalhães, Alison Duncan, Merijn Kant; *New Insights into Intraspecific Variation of Defence Suppression in Phytophagous Spider Mites*; 26th European Meeting of PhD Students in Evolutionary Biology, Killarney (Online), Scotland
2. 2019, Jéssica Teodoro-Paulo, Alison Duncan, Merijn Kant, Sara Magalhães; *The Eco-Evolutionary Consequences of Plant Defence Suppression*; 25th European Meeting of PhD Students in Evolutionary Biology, Pedrogão Pequeno, Portugal
3. 2018, Jéssica Teodoro-Paulo, Diogo P. Godinho, Anabela Silva, Cristina Branquinho, Sara Magalhães; *Suppression of Plant Defences by Herbivorous Mites Is Not Associated with Adaptation to Host Plants*; XV International Congress of Acarology, Antalya, Turkey

National Conferences

1. 2021, Jéssica Teodoro-Paulo, Sara Magalhães, Alison Duncan, Merijn Kant; *New Insights into Intraspecific Variation of Defence Suppression in Phytophagous Spider Mites*; Biodiv Annual Meeting'21; Online, Portugal
2. 2020, Jéssica Teodoro-Paulo, Sara Magalhães, Alison Duncan, Merijn Kant; *New Insights into Intraspecific Variation of Defence Suppression in Phytophagous Spider Mites*; XVth Encontro Nacional de Biologia Evolutiva; Online, Portugal - **Best Talk Award**
3. 2020, Jéssica Teodoro-Paulo, Alexandra Gil, José Venâncio, Tommaso Buonocone; *COVID-19 Government measures: an overview of people's first impressions and compliance*; 6th Annual Meeting Frontiers in E3, FCUL, Lisbon, Portugal

Poster Communications

International Conferences

1. 2019, Jéssica Teodoro-Paulo, Alison Duncan, Merijn Kant, Sara Magalhães; *Intra- and Inter-specific Variation of Spider-mites Interactions with Tomato Defences*; International Conference on Integrative Plant Physiology, Sitges, Spain
2. 2019, Lucie de Sousa, Jéssica Teodoro-Paulo, Sara Magalhães; *How does variation in soils affect in tomato growth and its response to herbivory?*; International Conference on Integrative Plant Physiology, Sitges, Spain

National Conferences

1. 2019, **Jéssica Teodoro-Paulo**, Alison Duncan, Merijn Kant, Sara Magalhães; *Intra- and Inter-specific Variation of Spider-mites Interactions with Tomato Defences*; XVth Encontro Nacional de Biologia Evolutiva; Matosinhos, Portugal
2. 2019, **Jéssica Teodoro-Paulo**, Alison Duncan, Merijn Kant, Sara Magalhães; *What are the Ecological and Evolutionary Consequence of Defence Suppression by Herbivorous Spider Mites?*; 5rd Annual Meeting Frontiers in E3; Museu Nacional de História Natural e da Ciência, Lisbon, Portugal
3. 2019, **Jéssica Teodoro-Paulo**, Alison Duncan, Merijn Kant, Sara Magalhães; *What are the Ecological and Evolutionary Consequence of Defence Suppression by Herbivorous Spider Mites?*; Biodiv Annual Meeting'19; CIBIO-InBIO, Campus of Vairão, Portugal
4. 2018, **Jéssica Teodoro-Paulo**, Alison Duncan, Sara Magalhães; *The ecological and evolutionary consequences of individual variation and evolution of plant defence suppression by herbivores*; XIVth Encontro Nacional de Biologia Evolutiva; Museu Nacional de História Natural e da Ciência, Lisboa, Portugal
5. 2018, **Jéssica Teodoro-Paulo**, Diogo P. Godinho, Anabela Silva, Cristina Branquinho, Sara Magalhães; *Suppression of Plant Defences by Herbivorous Mites Is Not Associated with Adaptation to Host Plants*; 4rd Annual Meeting Frontiers in E3; University of Lisbon, Portugal
6. 2017, **Jéssica Teodoro-Paulo**, Diogo P. Godinho, Anabela Silva, Cristina Branquinho, Sara Magalhães; *How pervasive is the manipulation of plant defences in herbivorous spider mite across Solanales order?*; A decade integrating biology (in) research and training; University of Lisbon, Portugal
7. 2017, **Jéssica Teodoro-Paulo**, Diogo P. Godinho, Anabela Silva, Cristina Branquinho, Sara Magalhães; *How pervasive is the manipulation of plant defences in herbivorous spider mite across Solanales order?*; XIIIth Encontro Nacional de Biologia Evolutiva; University of Algarve, Portugal
8. 2017, **Jéssica Teodoro-Paulo**, Diogo P. Godinho, Anabela Silva, Cristina Branquinho, Sara Magalhães; *Manipulation of plant defences in herbivorous spider mites may underlie their host range*; 3rd Annual Meeting Frontiers in E3; University of Azores, Portugal;
9. 2016, **Jéssica Teodoro-Paulo**, Diogo P. Godinho, Cristina Branquinho, Sara Magalhães; *Evidence of a new downregulation mechanism in Tetranychus ludeni*; XIIth Encontro Nacional de Biologia Evolutiva; Aveiro, Portugal

Just Attending

International Conferences

1. 2020, Innovation for Food Resilience; Organized by UK Agri-Tech Centres of Agricultural Innovation; Online, UK
2. 2020, World Food Security Forum; Online, Mena

Additional Scientific Training

Courses

1. 2020, *Presenting your work with impact*; University of Leeds online course at Future Learn
2. 2019, *Applied Methods in Community Ecology and Functional Ecology*; Advanced Course at Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University, Portugal
3. 2019, *Science and the Media – bringing together scientists, journalists and society*; Advanced Course at Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University, Portugal
4. 2019, *R for ecology and evolutionary biology*; Advanced Course at Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University, Portugal
5. 2019, *Scientific Writing and Communication*; Advanced Course at Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University, Portugal
6. 2018, *Stable isotopes in Ecology and Environment: a tool To integrate scales and complexity*; Advanced Course at Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University, Portugal
7. 2018, *Eco-Physiology and Plant Interactions*; Instituto de Tecnologia Química e Biológica António Xavier (ITQB), Portugal

Workshops

1. 2021, *Stepping out of academia*; 26th European Meeting of PhD Students in Evolutionary Biology, Killarney (Online), Scotland
2. 2019, *Open and FAIR data for higher impact science*; 5rd Annual Meeting Frontiers in E3; Museu Nacional de História Natural e da Ciência, Lisbon, Portugal
3. 2019, *Advice and tips to improve our CVs*; 25th European Meeting of PhD Students in Evolutionary Biology, Pedrogão Pequeno, Portugal
4. 2019, *Student Well-being in Academia*; 25th European Meeting of PhD Students in Evolutionary Biology, Pedrogão Pequeno, Portugal
5. 2018, *International Workshop in Evolutionary Biology*; Guarda, Switzerland

Other Activities

Supervision

1. 2020, Co-supervision of students of the bachelor degree in Biology with the laboratory project *Herbivore Performance on different host plants* for the school discipline *Oriented Studies*; Faculty of Sciences of Lisbon University, Portugal
2. 2018, Co-supervision of students of the bachelor degree in Biology with the laboratory project *How differences on *T. evansi* populations change manipulation of plant defences* for the school discipline *Oriented Studies*; Faculty of Sciences of Lisbon University, Portugal

Institutional Responsibilities

1. 2019 to present, Representative of the Associative Members of the Center of Ecology, Evolution and Climatic Changes at Faculty of Sciences of Lisbon University, Portugal
2. 2019 to present, Representative of the PhD students of the doctoral program BIODIV, Faculty of Sciences of Lisbon University, Portugal

Organisation of Scientific Meetings

1. 2021, Annual Meeting of the PhD Students of the BIODIV (Biodiversity, Genetic and Evolution) doctoral program 2021; Online, Portugal
2. 2019, 5th Annual Meeting Frontiers in E3; Museu Nacional de História Natural e da Ciência, Lisbon, Portugal
3. 2019, Annual Meeting of the PhD Students of the BIODIV (Biodiversity, Genetic and Evolution) doctoral program 2019; CIBIO-InBIO, Campus of Vairão, Portugal

Peer Review

1. June 2018, Acarologia, "The effect of inducing compounds on bean plants in absence and presence of Tetranychus urticae (Trombidiformes: Tetranychidae)"

Outreach and Science Communication Experience

1. 2020, Cartas com Ciência turmas 2020-2021
2. 2019, Open Day in Science 2019; Faculty of Sciences of Lisbon University, Portugal
3. 2018, Open Day in Science 2018; Faculty of Sciences of Lisbon University, Portugal
4. 2017, Open Day in Science 2017; Faculty of Sciences of Lisbon University, Portugal

Prizes and Awards

1. 2020, Best Talk Award at XVIth Encontro Nacional de Biologia Evolutiva; Online, Portugal
2. 2015-2016, Academic Merit, Faculty of Sciences of Lisbon University, Portugal
3. 2013-2014, Academic Merit, Faculty of Sciences of Lisbon University, Portugal