

Luciano Palmieri Ph.D.

ENTOMOLOGIST

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EDUCATION

UNIVERSITY OF SÃO PAULO - PhD, Entomology | 2017

UNIVERSITY OF SÃO PAULO - MS, Entomology | 2012

UNIVERSITY OF SÃO PAULO - BS, Biology | 2007

RESEARCH EXPERIENCE

POSTDOCTORAL HONORARY FELLOW

Sharma Lab, Department of integrative Biology, University of Wisconsin - Madison | Dec 2019 – Jul 2022

- Analyzed NovaSeq and Oxford Nanopore data to investigate weevil/bacterial endosymbiont association

POSTDOCTORAL RESEARCH ASSOCIATE

Brunet Lab, USDA - ARS Research Participation Program, ORISE - Madison | Apr 2018 – Dec 2019

- Investigated population structure of wild carrots using RADseq (GBS) data

VISITING RESEARCHER

CBGP - INRA (National Institute for Agricultural Research), Montpellier, France | Jul 2015 – Jul 2016

Advised by Dr. Jean-Yves Rasplus

- Conducted wet lab experiments to generate Sanger data on fig-weevils; used phylogenetic inference to study relationship among fig-weevils

GRADUATE RESEARCHER

Laboratório de Biologia Reprodutiva de Ficus, FFCLRP, University of São Paulo | 2010 – 2017

Advised by Dr. Rodrigo Augusto Santinelo Pereira

- Conducted multiple surveys of non-wasp insects associated with fig trees; studied the taxonomy and systematics of weevils associated with figs in three biogeographical regions; reared, curated and identified insect species; curated and identified fig tree species

RESEARCH ASSISTANT

Laboratório de Biologia Reprodutiva de Ficus, FFCLRP, University of São Paulo | 2008 – 2009

Advised by Dr. Rodrigo Augusto Santinelo Pereira

- Organized and participated on field expeditions to survey fig tree populations in the Atlantic Forest; performed georeferencing, plot-delimitations and sampling

UNDERGRADUATE RESEARCHER

Laboratório de Biologia Reprodutiva de Ficus, FFCLRP, University of São Paulo | 2007

Advised by Dr. Rodrigo Augusto Santinelo Pereira

- Developed a method for georeferencing individual trees using R

ENTOMOLOGICAL COLLECTION EXPERIENCE

USNM - NATIONAL MUSEUM OF NATURAL HISTORY, WASHINGTON DC, USA
(80 hours) | Nov 2013 and Dec 2017

BMNH - THE NATURAL HISTORY MUSEUM, LONDON, UNITED KINGDOM
(40 hours) | Feb 2016

MNHN - MUSEUM NATIONAL D'HISTOIRE NATURELLE, PARIS, FRANCE
(40 hours) | Jan 2016

AMG - ALBANY MUSEUM, GRAHAMSTOWN, SOUTH AFRICA
(16 hours) | Mar 2015

SAMC - IZIKO SOUTH AFRICAN MUSEUM, CAPE TOWN, SOUTH AFRICA
(40 hours) | Feb 2015

INBIO - INSTITUTO NACIONAL DE BIODIVERSIDAD, SANTO DOMINGO, COSTA RICA
(8 hours) | Dez 2013

AMNH - AMERICAN MUSEUM OF NATURAL HISTORY, NEW YORK CITY, USA
(40 hours) | Oct 2013

FIELD EXPEDITION EXPERIENCE

BRAZIL | 2010 – 2017

- Multiple expeditions on several areas of the Atlantic Forest across four states (Minas Gerais, Rio de Janeiro, São Paulo, and Paraná). Surveyed pollinators, insects associated with fig trees, and plants

Costa Rica | 2013

- A one-month expedition across all seven Costa Rica's provinces to survey weevils on fig trees

PHILIPPINES | 2014

- A three-month expedition across Luzon, Panay, Cebu, and Camiguin Islands to survey weevils on fig trees

SOUTH AFRICA | 2015

- A two-week expedition around Eastern-Cape to survey weevils on fig trees

PUBLICATIONS

PEER REVIEWED PUBLICATIONS

- PALMIERI L ; Pavarini R & Sharma P. 2022. **Draft Genome Sequence of *Candidatus Nardonella dryophthoridicola* NARMHE1, Endosymbiont of *Metamasius hemipterus* (Coleoptera, Curculionidae, Dryophthorinae).** (in press Microbiology Resources Announcement).
- Boscolo, D. *et al.* 2022. **Atlantic Flower-Invertebrate Interactions: a dataset of occurrence and frequency of floral visits.** (in press Ecology).
- PALMIERI L; Giribet G & Sharma P. 2022. **Too early for the ferry: The biogeographic history of the Assamiidae of southeast Asia (Chelicerata: Opiliones, Laniatores).** Molecular Phylogenetics and Evolution, v178, 107647. [DOI](#)
- PALMIERI L ; Chamorro L & Sharma P. 2022. **Phylogenetic assessment of the *Metamasius hemipterus* species complex (Coleoptera, Curculionidae, Dryophthorinae).** Molecular Phylogenetics and Evolution, v.175, 107589. [DOI](#)
- PALMIERI L; Ellison S; Senalik D; Simon P & Brunet J. 2019. **Genetic markers to detect introgression of cultivar genes into wild carrot populations.** ISHS Acta Horticulturae 1264: II International Symposium on Carrot and Other Apiaceae. [DOI](#)
- PALMIERI L & Pereira RAS. 2018. **The role of non-fig-wasp insects on fig tree biology, with a proposal of the F phase (Fallen figs).** Acta Oecologica, v.90, p. 132-139. [DOI](#)
- PALMIERI L; Farache FHA; Pereira RAS & Hansson C. 2013. **New records of *Paracrias* Ashmead (Hymenoptera, Eulophidae) as parasitoids on weevil larvae (Coleoptera, Curculionidae) in Brazil, with the description of a new species.** Iheringia. Série Zoológica, v.103, p.313-317. [DOI](#)

NON-PEER REVIEWED PUBLICATIONS

- PALMIERI L. 2017. **Biogeography of Weevils (Curculionidae: Coleoptera) associated with figs (*Ficus: Moraceae*).** Doctoral Dissertation. University of Sao Paulo. [Available here](#)

IN PREPARATION

- PALMIERI L; Cruaud A; Pereira RAS & Rasplus J-Y. **Taxonomic review, systematics, and historical biogeography of *Ceratopus*: The Neotropical Fig-weevil.** (to be submitted to Invertebrate Systematics).
- Hernandez F; PALMIERI L & Brunet J. **Population structure of wild carrots (*Daucus carota* var. *sativa*) in North America.** (to be submitted to Molecular Ecology).

PALMIERI L; Cruaud A; Pereira RAS & Rasplus J-Y. **Historical biogeography of Curculionini: a tale of host shift.** (to be submitted to Journal of Biogeography).

Medeiros A S , Sanz-Veiga P A, Benelli A P & PALMIERI L. **Life cycle and floral damage of *Stethobaroides nudiventris* (Coleoptera: Curculionidae) associated with *Catasetum* spp. (Orchidaceae): an overlooked orchid pest.** (to be submitted to Ecological Entomology).

GRANTS AND SCHOLARSHIPS

FAPESP, São Paulo Research Foundation. PhD Grant | 2013 – 2017

FAPESP, São Paulo Research Foundation. Research Internships Abroad Grant | 2015 – 2016

CNPq, National Council for Scientific and Technological Development. Masters Grant | 2010 – 2012

FAPESP, São Paulo Research Foundation. Technical training (TT3) Grant | 2008 - 2009

Vila do Ipê Enterprises Ltd. Research Financial Support | 2006 - 2007

Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto Foundation Grant | 2005 – 2006

PROFESSIONAL DEVELOPMENT

mRNAseq Data Analysis Workshop (8 hours), University of Wisconsin | 2017

Introduction to Next-Gen Sequencing Data Analysis (8 hours), University of Wisconsin | 2017

Linux Essentials for Next-Generation Sequencing Data Analysis (8 hours), University of Wisconsin | 2017

Introduction to NGS for Barcoding, Systematics and Phylogeny (30 hours), University of Sao Paulo | 2017

II Workshop of Biogeography (48 hours), University of Rio de Janeiro | 2014

V Workshop of Phylogenetic Systematics (40 hours), State University Júlio de Mesquita Filho | 2014

Writing in the Sciences (8 weeks, online course), Stanford University | 2012

Insect Internal Morphology (20 hours), University of Sao Paulo | 2012

LANGUAGES

PORTUGUESE Native

ENGLISH Reading | Fluent Conversing | Fluent Writing | Fluent

FRENCH Reading | Intermediate Conversing | Intermediate Writing | Basic