

CURRICULUM VITAE

TIAGO JOSÉ PEREIRA, Ph.D.

University of California, Riverside
Department of Nematology
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Education

Ph.D., Entomology, University of California, Riverside, CA, USA (2016)

Advisor: James G. Baldwin

M.S., Marine Ecology, Centro de Investigación Científica y Educación Superior de Ensenada, BC, Mexico (2008)

Advisor: Axayácatl Rocha-Olivares

B.S., Biology, Universidade do Sul de Santa Catarina, SC, Brazil (2005)

Advisor: Sérgio A. Netto

Professional Experience

Postdoctoral researcher (June 2017 – Present)

University of California, Riverside
Department of Nematology (Advisor: Holly Bik)
Riverside, CA, USA

Postdoctoral researcher (June 2016 – May 2017)

University of California, Riverside
Department of Nematology (Advisor: James G. Baldwin)
Riverside, CA, USA
University of California, Davis
Department of Entomology and Nematology (Advisor: Steve Nadler)
Davis, CA, USA

Junior Specialist (September 2008 – August 2010)

University of California, Riverside
Department of Nematology (Advisor: James G. Baldwin)
Riverside, CA, USA

Laboratory Experience

PhD student and member of the Baldwin Lab (September 2010 – March 2016):

Nematode morphology, systematics and phylogeny
University of California, Riverside
Department of Nematology (Advisor: James G. Baldwin)
Riverside, CA, USA

Master's student and member of the Laboratory of Molecular Ecology (January 2006 – August 2008):

Biodiversity, ecology, and molecular taxonomy of marine nematodes
Centro de Investigación Científica y Educación Superior de Ensenada
Department of Biological Oceanography (Advisor: Axayácatl Rocha-Olivares)

Undergraduate student and laboratory manager, Laboratory of Marine Science (January 2003 – December 2005):

Benthic community ecology (macrofauna and meiofauna) of marine environments
Universidade do Sul de Santa Catarina
Laboratory of Marine Science (Advisor: Sérgio A. Netto)

Honors & Awards

- 2016: Recognition award from CICESE for being the first author of the most cited scientific article among students of the institution in 2015.
- 2016: Nematology Travel Award, Nematology Department, University of California, Riverside. To attend ESN Symposium in Braga, Portugal.
- 2015: SON Travel Fund for the Society of Nematologists meeting, Michigan, USA.
- 2015: Nematology Travel Award, Nematology Department, University of California, Riverside. To attend SON meeting in Michigan, USA.
- 2015: Phi Beta Kappa Alumni Awards for International Students.
- 2014: SON Travel Fund for the 6th ICN held in Cape Town, South Africa.
- 2011: Nematology Travel Award, Nematology Department, University of California, Riverside. To attend SON meeting in Oregon, USA.
- 2011: Howie Wier Memorial Conservation Awards Program (2,000 US dls). Project: Diversity and systematics of tylenchid nematodes (Tylenchida) in the Anza-Borrego State Park.
- 2011-2015: PhD Fellowship from CAPES, Ministry of Education, Brazil.
- 2010: Charles W. Coggins, Jr. Endowed Scholarship Fund
- 2010: (Jan-Dec): GSR fellowship, Nematology Department, University of California, Riverside.
- 2010: Smithsonian Tropical Research Institute (STRI) for Meiofauna Diversity and Taxonomy course, Panama.
- 2009: UCMEXUS Small Travel Grant (1,500 US dls). PI: James Baldwin, Co-PIs: Tiago Pereira and Manuel Mundo-Ocampo.
- 2008: Master's fellowship sponsored by Secretariat of Environmental and Natural Sources (SEMARNAT), Mexico.
- 2007: Master's fellowship, sponsored by the Mexican National Council of Research and Technology (CONACYT), Mexico.
- 2006: Master's fellowship sponsored by Secretariat of Environmental and Natural Sources (SEMARNAT), Mexico.
- 2003-2004: Scientific initiation fellowship sponsored by the Brazilian National Council of Research and Technological Development (CNPq), Brazil.
- 2003 (Jan-Dec): 170 article fellowship (scientific research) sponsored by UNISUL, Brazil.

Society Memberships

Society of Nematologists (SON)
Brazilian Nematological Society (BNS)

Publications

1. **Pereira, T. J.**; Guilherme, B. C.; Cavalcanti, M. F.; Mundo-Ocampo, M.; Rocha-Olivares, A. Morphological and molecular characterization of three new species of Thoracostomopsidae Filipjev, 1927 (Nematoda) from the Gulf of California, Mexico. *Journal of the Marine Biological Association UK* (submitted).

2. **Pereira, T. J.**; Gingold, R.; Morelos, A. D.; Rocha-Olivares, A. Patterns of spatial variation of sandy beach meiofauna of Bahía Todos Santos, Baja California, Mexico. *Thalassas: An International Journal of Marine Sciences* (in review).
3. Vitória, A. P.; Ávila-Lovera, E.; Vieira, T. O.; do Couto-Santos, A. P. L.; **Pereira, T. J.**, Funch, L.; Freitas, L.; de Miranda, L. A. P.; Rodrigues, P. J. F. P.; Rezende, C. E.; Santiago, L. S. Climate, soil, leaf habit, and phylogeny - what controls leaf isotopic composition in tropical forests? *Journal of Tropical Ecology* (in review).
4. Mundo-Ocampo, M.; Baldwin, J. G.; **Pereira, T. J.**; Camacho-Baez, M.; Armenta-Bojorquez, R. J.; Camacho-Haro, A. D.; Becker, J. O. 2017. Occurrence of *Belonolaimus* in Sinaloa, Northwestern Mexico: a new report on distribution and host range. *Journal of Nematology*. 49: 105-115.
5. **Pereira, T. J.**; Xue, Q.; Chang, K. F.; Mundo-Ocampo, M.; Cares, J. E.; Ragsdale, E.; Nguyen, C.; James G. Baldwin. 2016. Phylogeny and biogeography of the genus *Cephalenchus* (Nematoda: Tylenchomorpha). *Zoologica Scripta*. DOI: 10.1111/zsc.12225 (in press).
6. **Pereira, T. J.**; Baldwin, J. 2016. Contrasting evolutionary patterns of 28S and ITS rRNA genes reveal high intragenomic variation in *Cephalenchus* (Nematoda): Implications for species delimitation. *Molecular Phylogenetics and Evolution*. 98: 244-260.
7. Caixeta, L. B.; **Pereira, T. J.**; Castañeda, N. E. N.; Cares, J. E. 2016. Nematode communities as indicators of the status of a soil ecosystem influenced by mining practices in Brazil. *Nematology*. 18: 265-276.
8. Mundo-Ocampo, M. O.; Holovachov, O.; **Pereira, T. J.** 2015. *Malenchus herrerae* n. sp. (Nematoda: Tylenchidae) from the rainforest of Peru with additional insights on the morphology of the genus. *Nematropica*. 45: 158-169.
9. Sunye, P. S.; **Pereira, T. J.**; Russo, A.; Netto, A. 2014. Pink shrimp fishery in the Estuarine System of Laguna, SC: history and hazards of management policies. In: Haimovici, M.; Andriguetto-Filho, J. M., Sunye, P. S. (Eds). *Marine and estuarine fishery in Brazil: a multidisciplinary approach applied to case studies*. Rio Grande, RS, Brasil, Editora da FURG, pp.77-87 (book chapter, in Portuguese).
10. Atighi, M. R.; Porajam E.; **Pereira, T. J.**; Okhovvat, S. M.; Alizada, B. A.; Mundo-Ocampo, M.; Baldwin, J. G. 2013. Redescription of *Filenchus annulatus* (Siddiqui & Khan, 1983) Siddiqui, 1986 based on specimens from Iran with contributions to the molecular phylogeny of the Tylenchidae. *Nematology*. 15: 129-141.
11. **Pereira, T. J.**; Fonseca, G.; Guilherme, B. C.; Mundo-Ocampo, M.; Rocha-Olivares, A. 2010. Diversity of free-living marine nematodes (Enoplida) from Baja California assessed by integrative taxonomy. *Marine Biology*. 157: 1665-1678.
12. **Pereira, T. J.**; Arce, A. M.; Gingold, R.; Rocha-Olivares, A. 2009. Direct nematode predation in the marine nematode *Synonchiella spiculora* (Selachinematidae: Nematoda). *Marine Biodiversity Records*. 2: e111.
13. **Pereira, T. J.**, Arce-Martínez, A.; Gingold, R.; Mundo-Ocampo, M.; Rocha-Olivares, A. 2009. Cryptic marine biodiversity: the nematofauna from the Gulf of California. *Ciencia y Desarrollo*. 52, April 2009 (in Spanish).
14. Netto, S. A.; **Pereira, T. J.** 2009. Benthic community response to a passive fishing gear in a coastal lagoon (South Brazil). *Aquatic Ecology*. 43: 521-538.

15. **Pereira, T. J.**; Netto, S. A. 2007. Occurrence of the exotic shrimp *Litopenaeus vannamei* Boone, 1931 (Crustacea, Decapoda, Penaeidae) in the Estuarine System of Laguna, SC. *Biociências*. 15: 157-159 (in Portuguese).

Manuscripts in preparation

1. **Pereira, T. J.**; Xue, Q.; Mundo-Ocampo, M.; Ragsdale, E.; Nguyen, C.; Baldwin, J. G. A taxonomic revision of the genus *Cephalenchus* (Nematoda: Tylenchomorpha) including the description of two new species.
2. Xue, Q.; **Pereira, T. J.**; Slos, D.; Couvreur, M.; Bert, W. Description of *Malenchus cylindricus* sp. n. (Tylenchomorpha: Tylenchidae) with contributions to three rare genera of the family.

Scientific contributions (talks and posters)

- Pereira, T. J.** Contrasting evolutionary patterns of 28S and ITS rRNA genes reveal high intragenomic variation in *Cephalenchus* (Nematoda): Implications for species delimitation. **32nd ESN Symposium**, Braga, Portugal. 28th August to 1st September 2016. Presented by Pereira, T. J. (Oral presentation).
- Pereira, T. J.** Phylogeny and biogeography of the genus *Cephalenchus* (Nematoda: Tylenchomorpha). **32nd ESN Symposium**, Braga, Portugal. 28th August to 1st September 2016. Presented by Pereira, T. J. (Oral presentation).
- Pereira, T. J.**; Xue, Q.; Chang, K.; Mundo-Ocampo, M.; Baldwin, J. Phylogeny and biogeography of the genus *Cephalenchus* (Nematoda: Tylenchomorpha): exploring morphological and molecular characters to infer species relationships. **54th Annual Meeting of the Society of Nematologists**, East Lansing, Michigan, USA, May 2015. Presented by Pereira, T. J. (Poster).
- Pereira, T. J.**; Chang, K.; Mundo-Ocampo, M.; Baldwin, J. Intra and interspecific genetic variation in the genus *Cephalenchus*: implications for species delimitation. **6th International Congress of Nematology**, Cape Town, South Africa, May 2014. Presented by Pereira, T. J. (Oral presentation).
- Pereira, T. J.**, Caixeta, L., Mundo-Ocampo, M., Cares, J., Baldwin, J. Testing the monophyly of the superfamily Dolichodoroidea *sensu* Siddiqi, 2000 (Tylenchida): evidence from three ribosomal genes. **6th International Congress of Nematology**, Cape Town, South Africa, May 2014. Presented by Pereira, T. J. (Poster).
- Pereira, T. J.**, Mundo-Ocampo, M., Baldwin, J. G. Biogeography and phylogeny of the genus *Cephalenchus*. **Society of Nematologists 50th Anniversary Meeting**, Corvallis, Oregon, USA, 2011. Presented by Pereira, T. J. (Poster).
- Pereira, T. J.**; Rocha-Olivares, A. Morphological and molecular approaches to assess marine nematode diversity: implications for DNA barcoding. **Third International Barcode of Life Conference**, Mexico City, Mexico. 2009. Presented by Rocha-Olivares, A. (Poster).
- Pereira, T. J.**; Sandoval-Castillo, J. R.; Rocha-Olivares, A. Meiofauna spatial distribution on the sandy beaches at the Todos Santos Bay, B.C., Mexico. **XII COLACMAR – Latin-American Congress of Marine Sciences**, Florianópolis, Brazil. 2007. (in Spanish). Presented by Pereira, T. J. (Poster).
- Pereira, T. J.**; Netto, S. Passive fishing gear in the Estuarine System of Laguna, SC, Brazil: fisheries and effects on the benthic communities. **XII COLACMAR – Latin-American**

Congress of Marine Sciences, Florianópolis, Brazil. 2007. (in Spanish). Presented by Pereira, T. J. (Poster).

Pereira, T. J.; Savi, F.M; Netto, S. Shrimp by-catch in the Estuarine System of Laguna, SC. **2º Brazilian Congress of Oceanography**, Vitória, Brazil. 2005. (in Portuguese). Presented by Pereira, T. J. (Poster).

Netto, S.; Gallucci, F.; Fonseca, G.; **Pereira, T. J.**; Meurer, A. Effects of Naf cuttings discharge on nematode associations in a deep sea site, Campos basin, RJ. **1º Brazilian Congress of Oceanography**, Itajaí, Brazil. 2004. (in Portuguese). Presented by Meurer, A. (Poster).

Netto, S.; **Pereira, T. J.** et al. (other 12 authors) Meiofauna colonization process in sublitoral areas in the Estuarine System of Laguna, SC: sediment type influence. **1º Brazilian Congress of Oceanography**, Itajaí, Brazil. 2004. (in Portuguese). Presented by Pereira, T. J. (Poster).

Pereira, T. J.; Vicente, M. M. R.; Netto, S. Benthic community response to a cronic oil discharge in a sublitoral site in the Estuarine System of Laguna, SC. **XV National week of Oceanography**, São Paulo, Brazil. 2003. (in Portuguese). Presented by Pereira, T. J. (Poster).

Technical reports

Rocha-Olivares, A., **Pereira, T. J.**, Sandoval, J., Gingold, R. Study of the intertidal meiofauna on the sand beaches of Todos Santos Bay, Ensenada, Mexico. 2007.

Netto, S.; **Pereira, T. J.**; Vicente, M. M. R. Benthic community response to a cronic oil discharge in a sublitoral site in the Estuarine System of Laguna, SC. 2003.

Departmental seminars

Pontifical Catholic University of Rio Grande do Sul, Department of Zoology (July, 2016)

University of California, Riverside, Department of Nematology (September, 2013)

University of California, Riverside, Department of Nematology (November, 2008)

Center of Scientific Research and High Education of Ensenada, Department of Physical Oceanography (June, 2008)

Center of Scientific Research and High Education of Ensenada, Department of Marine Ecology (May, 2008)

Teaching Experience

University of California, Riverside

Natural History of Insects, ENTM 010 (teaching assistant; Fall 2011)

Biology of Nematodes, BIOL 159 (teaching assistant; Winter 2010-2011)

Extension

Practical course: Molecular techniques for DNA extraction of terrestrial nematodes (2010, 3 days, co-taught with Mundo-Ocampo at CIIDIR, Sinaloa, Mexico)

Elementary and high school

Escola de Educação Básica Lagunense, Laguna, SC, Brazil

Substitute teacher of Biology (7th grade, January – June 2005)

Substitute teacher of Chemistry (8th grade, January – June 2005)

Fundação Bradesco Laguna, Laguna, SC, Brazil (as an intern)

Biology (5th – 8th grades, 2004)

Biology (10th – 12th grades, 2005)

Language skills

Portuguese: mother tongue

Spanish: fluent

English: fluent

Additional activities

Training courses:

2015: R Programming, 4 weeks, 7-9 hours/week, online non-credit course authorized by Johns Hopkins University and offered through Coursera.

2015: The Data Scientist's Toolbox, 4 weeks, 1-4 hours/week, online non-credit course authorized by Johns Hopkins University and offered through Coursera.

2014: Applied Phylogenetics Workshop, 1 week at Bodega Reserve, UC Davis, USA.

2013: Workshop in Molecular Evolution, 2 weeks at the MBL, Woods Hole, USA.

2011: Workshop in Plant Parasitic Nematode Identification and Nematode Phylogenetics, 2 weeks, UC Riverside, USA.

2010: Short-Course in Meiofauna Diversity and Taxonomy, 2 weeks at the STRI, Panama.

2005: Diving, Advanced Open Water Diver – PADI license, 50 hs.

2005: Diving, Open Water Diver – PADI license, 30 hs.

2004: Numeric Ecology – 12 hs.

2004: Marine Benthic Ecology – 60 hs.

2003: Marine Ecosystems – 40 hs.

Participation in events:

2016: 32nd ESN Symposium, Braga, Portugal.

2015: 54th Annual Meeting of the Society of Nematologists, East Lansing, Michigan, USA.

2014: 6th International Congress of Nematology, Cape Town, South Africa.

2012: XXXI Annual Henning Society Meeting, Riverside, CA, USA.

2011: 50th Annual Meeting of the Society of Nematologists, Corvallis, Oregon, USA.

2007: XII COLACMAR – Latin-American Congress of Marine Sciences, Florianópolis, Brazil.

2005: II CBO – Brazilian Congress of Oceanography, Vitória, ES, Brazil.

2004: 3^o Workshop, Monitoring, Modeling, Erosion and Coast Occupation (RECOS), Florianópolis, Brazil.

2004: VIII EMBRAPOA – Brazilian Pathologist meeting of aquatic organisms (Supporting committee) – 32 hs, Laguna, SC, Brazil.

2004: I CBO - Brazilian Congress of Oceanography, Itajaí, SC, Brazil.

2003: National week of Oceanography, São Paulo, SP, Brazil.

2002: 1^o Cycle of lectures: biology in perspective - 4 hs, Tubarão, SC, Brazil.

2002: International Symposium about Whale conservation, Imbituba, SC, Brazil.

2002: Integrated week of the undergraduate courses- 32 hs, Tubarão, SC, Brazil

Practical Activities:

2008: BTS oceanographic cruise in Todos Santos Bay, Ensenada, BC, Mexico, 4 days of cruise on the Francisco de Ulloa Ship.

2008: DINAS oceanographic cruise in San Felipe region at the Gulf of California, Mexico, 5 days of cruise on the Francisco de Ulloa Ship.

2004: Environmental monitoring in Petroleum activities–MAPEM, 6 days of cruise on the D' Ana Ship, Campos Basin, RJ, Brazil.