

ROSA FERNANDEZ, Ph.D.
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Museum of Comparative Zoology
Harvard University
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Cambridge, MA 02138
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CURRENT POSITION

Harvard University Cambridge, MA
Research Associate September 2015 – Present

EDUCATION

Complutense University Madrid, Spain
PhD, Biology of Conservation 2011
Dissertation: Insights into the evolutionary biology of a cosmopolitan earthworm:
phylogeography, phylogeny and reproductive biology in *Aporrectodea trapezoides* (Oligochaeta:
Lumbricidae).

MSc, Biology. 2009

BS, Biology. 2006

FELLOWSHIPS, GRANTS AND AWARDS

NSF grant #1457539 (PIs: Prof. Gonzalo Giribet, Prof. Gustavo Hormiga)* 2015-2017
Phylogeny and diversification of the orb weaving spiders (Araneae)

Star Family Postdoctoral Fellow 2014
Harvard University

Putnam Expedition Grant (PI: Rosa Fernández) 2014
Exploring cryptic diversity in soil animals (II): centipedes and velvet worms.
Putnam Foundation, Harvard University (\$ 12,354)

Postdoctoral Award for Professional Development 2014
Harvard University (\$ 1,000)

Putnam Expedition Grant (PI: Rosa Fernández) 2013
Exploring cryptic diversity in soil animals (I): harvestmen and earthworms.

Putnam Foundation, Harvard University (\$10,385)

Postdoctoral Award 2012
Ramón Areces Foundation (€ 67,200)

Postdoctoral Award 2012
Caja Madrid Foundation (€ 36,000)

Predoctoral Award for Professional Development 2009, 2010
Complutense University (€ 5,100 in 2009) (€ 5,000 in 2010)

Honorary Research Fellow 2007-2011
Complutense University, Department of Zoology and Physical Anthropology

Predoctoral Fellowship 2007
Complutense University / Ministry of Education, Spain

Departmental Collaboration Grant 2006
Ministry of Education, Spain (€ 3,000)

*As a Postdoctoral Fellow at Harvard University I participated in the planning, writing and management of this grant, but could not be listed as PI due to eligibility restrictions to non-teaching staff (for verification, see below contact information for Prof. Gonzalo Giribet).

RESEARCH EXPERIENCE

Harvard University Cambridge, MA
Research Associate 2015-ongoing

Postdoctoral Fellow; Advisor: Prof. Gonzalo Giribet 2012-2015

Université de Lausanne Lausanne, Switzerland
Visiting Fellow (Dessimoz Group) April 2016

Complutense University Madrid, Spain
Research Fellow; Advisor: Prof. Darío J. Díaz Cosín 2011-2012

Research Assistant; Advisor: Darío J. Díaz Cosín 2007-2011

Curatorial Assistant (Museum of Comparative Anatomy of Vertebrates) 2005-2006

Eberhard-Karls Universität Tübingen, Germany
Visiting Research Fellow; Advisor: Dr. Michael Heethoff 2010

Visiting Research Fellow; Advisor: Dr. Michael Heethoff 2009

TEACHING EXPERIENCE

Harvard University	Cambridge, MA
Undergraduate Advisor	2013-ongoing
Senior thesis Advisor	2014-ongoing
Graduate students training in RNAseq techniques	2013-2015
 Complutense University	 Madrid, Spain
Teaching Assistant, Experimental Biology	Fall 2010
	Spring/Fall 2011
	Spring 2012
Guest Lecturer, Molecular Phylogenetics (Master program)	Fall 2011, Fall 2012
Undergraduate Advisor	2009-2012
Senior thesis Advisor	2010-2011
Graduate Advisor	2011- Present
 The Willi Hennig Society meeting	 Buenos Aires, Argentina
Workshop on Phylogenomics, main lecturer (invited by the organizers)	October 2016 (scheduled)

RELATED PROFESSIONAL EXPERIENCE

Life Sciences Education Office, Harvard University	Cambridge, MA
Graduate and Undergraduate Mentor Certification	2014 – 2015
 Harvard Grad Women in Science and Engineering	 Cambridge, MA
Graduate and Undergraduate Mentor	2014 - Present
 Association of Spanish Scientists in USA (ECUSA)	 Cambridge, MA
International Mentoring Program, Outreach Coordinator and Mentor	2014 - Present
 XX International Congress of Arachnology	 July 2016. Golden, Colorado
Symposium Organizer and Session chair	
 Evolution 2015	 June 2015. Guarujá, Brazil
Session chair	

X International Symposium on Earthworm Ecology
Session chair; symposium organizer

June 2014. Athens, Georgia

Pre- and Post-Doctoral Fellows Association, Department of Zoology and Physical Anthropology, Complutense University of Madrid
Official Representative

Madrid, Spain
2011-2012

Reviewer of the Agencia Nacional de Investigación e Innovación, Uruguay. 2016 - present

Reviewer of the National Center of Science and Technology Evaluation, Kazakhstan 2015

Reviewer of the following journals and agencies

- Soil Biology and Biochemistry 2011 - present
- Pedobiologia 2011 - present
- European Journal of Soil Biology 2011 - present
- Molecular Phylogenetics and Evolution 2012 - present
- Biological Journal of the Linnean Society 2012 - present
- Heredity 2013 - present
- PLoS ONE 2013 - present
- Marine Ecology 2013 - present
- Biology Letters 2014 - present
- Molecular Ecology 2014 - present
- Frontiers in Ecology and Evolution 2015 - present
- Zookeys 2015 - present
- Evolutionary Biology 2015 - present
- Journal of Biogeography 2015 - present
- Canadian Journal of Zoology 2015 - present

Barcelona University
Molecular Phylogeny course. Participant.

Barcelona, Spain
Summer 2008

National Genotyping Center
Introduction to the study of SNPs applied to genetic epidemiology. Participant.

Madrid, Spain
Summer 2008

MAIN ONGOING COLLABORATIONS WITH ACADEMIC INSTITUTIONS

Harvard University
Department of Organismic and Evolutionary Biology
Prof. Gonzalo Giribet (postdoctoral advisor)
Dr. Ana Tourinho
Dr. Sarah Lemer
Dr. David Combosch
Dr. Dennis Persson
Dr. Martin Schwentner
Dr. Ligia Benavides

Cambridge, MA

Julia Cosgrove, Ms.B.
Caitlin Baker, Ms.B.

The George Washington University
Prof. Gustavo Hormiga

Washington D.C.

The Natural Museum of Natural History
Dr. Gregory D. Edgecombe
Dr. Ana Riesgo

London, UK

Centre for Genomic Regulation
Dr. Toni Gabaldón

Barcelona, Spain

Université de Lausanne
Prof. Christophe Dessimoz
Dr. Adrian Altenhoff
Dr. David Dylus
Clément Marie Train, Ms.B.

Lausanne, Switzerland

Welcome Trust Sanger Institute
Dr. Christopher Laumer

Cambridge, UK

The University of Wisconsin-Madison
Prof. Prashant Sharma

Madison, WI

Rutgers University
Prof. Daniel Shain
Shirley Lang, Ms.B.

New Brunswick, NJ

UNED University
Dr. Marta Novo

Madrid, Spain

Royal Ontario Museum
Dr. Sebastian Kvist

Toronto, Canada

Universitat de Barcelona
Prof. Miquel Arnedo

Barcelona, Spain

Universidad Complutense de Madrid
Prof. Darío Díaz Cosín
Dr. Dolores Trigo
Dr. Mónica Gutiérrez
Daniel Fernández Marchán, Ms.B.

Madrid, Spain

PEER-REVIEWED PUBLICATIONS

PUBLISHED / IN PRESS

39. Marchán, D.F., Sánchez, N., Novo, M., **Fernández, R.**, Pardos, F., Díaz Cosín, D.J. in press. Cryptic characters for cryptic taxa: on the taxonomic utility of the genital chaetae in earthworms (Oligochaeta, Hormogastridae). *Zoologischer Anzeiger*.
38. **Fernández, R.**, Edgecombe, G.D., Giribet, G., 2016. Exploring phylogenomic relationships within Myriapoda and the effects of matrix composition and occupancy on phylogenomic reconstruction. *Systematic Biology*, 10.1093/sysbio/syw041
37. Marchán, D.F., Refoyo, P., **Fernández, R.**, Novo, M., De Sosa, I., Díaz Cosín, D.J. 2016. Macroecological inferences on soil fauna through comparative niche modeling: the case of Hormogastridae (Annelida, Oligochaeta). *European Journal of Soil Zoology*, doi:10.1016/j.ejsobi.2016.05.003
36. Marchán, D.F., Novo, M., **Fernández, R.**, De Sosa, Irene, Trigo, Dolores, Díaz Cosín, D.J. 2016. Evaluating evolutionary pressures and phylogenetic signal in earthworms: a study case. The number of typhlosole lamellae in Hormogastridae(Annelida, Oligochaeta). *Zoological Journal of the Linnean Society*. DOI 10.1111/zoj.12410
35. Giribet, G., Boyer, S., Baker, C., **Fernández, R.**, Sharma, P., De Bivort, B., Daniels, S..R., Harvey, M., Griswold, C. E. 2016. A molecular phylogeny of the temperate Gondwanan family Pettalidae (Arachnida, Opiliones, Cyphophthalmi) and the limits of taxonomic sampling. *Zoological Journal of the Linnean Society*. DOI: 10.1111/zoj.12419
34. Novo, M., **Fernández, R.**, Andrade, S., Marchán, D.F., Cunha, L., Díaz Cosín, D.J. 2016. Phylogenomic analyses of a Mediterranean earthworm family (Annelida: Hormogastridae). *Molecular Phylogenetics and Evolution* 94: 473-478.
33. **Fernández, R.**, Novo, M., Marchán, D.F., Díaz Cosín, D.J. 2016. Diversification patterns in cosmopolitan earthworms: similar mode but different tempo. *Molecular Phylogenetics and Evolution* 94: 701-708.
32. **Fernández, R.**, Giribet, G. 2015. Unnoticed in the tropics: phylogenomic resolution of the poorly-known arachnid order Ricinulei (Arachnida). *Royal Society Open Science*.
31. Sharma, P., **Fernández, R.**, González Santillán, E., Monod, L. 2015. Phylogenomic resolution of scorpions reveals multilevel discordance with morphological phylogenetic signal. *Proceedings of the Royal Society B: Biological Sciences* 282: 20142953.

30. Marchán, D.F., Refoyo, P., Novo, M., **Fernández, R.**, Trigo, D., Díaz Cosín, D.J. 2015. Predicting soil micro-variables and the distribution of an endogeic earthworm species through a model based on large-scale variables. *Soil Biology and Biochemistry* 81: 124-127.
29. **Fernández, R.**, Vélez, S., Giribet, G. 2014. Linking genetic diversity and morphological disparity: biodiversity assessment of a highly unexplored family of harvestmen (Arachnida: Opiliones: Neopilionidae) in New Zealand. *Invertebrate Systematics* 28: 590-604.
28. Vélez, S., **Fernández, R.**, Giribet, G. 2014. A molecular phylogenetic approach to the New Zealand species of Enantiobuninae (Opiliones : Eupnoi : Neopilionidae). *Invertebrate Systematics* 28: 565-589.
27. Novo, M., **Fernández, R.**, Marchán, D.F., Trigo, D., Díaz Cosín, D.J., Giribet, G. 2014. Unearthing the historical biogeography of Mediterranean earthworms (Annelida: Hormogastridae). *Journal of Biogeography* (doi: 10.1111/jbi.12447).
26. **Fernández, R.**, Giribet, G. 2014 Phylogeography and species delimitation in the New Zealand endemic hypervariable harvestman species *Aoraki denticulata* (Arachnida, Opiliones, Cyphophthalmi). *Invertebrate Systematics* 28: 401-414.
25. **Fernández, R.**, Hormiga, G., Giribet, G. 2014. Phylogenomic analysis of spiders reveals non-monophyly of orb-weavers. *Current Biology* 24, 1772-1777. Highlighted in *Nature News* (<http://www.nature.com/news/spider-gene-study-reveals-tangled-evolution-1.15578>)
24. Giribet, G., **Fernández, R.**, Boyer, S.L., 2014. On four poorly known harvestmen from New Zealand (Arachnida, Opiliones: Cyphophthalmi, Eupnoi, Dyspnoi, Laniatores). *New Zealand Journal of Zoology*, <http://dx.doi.org/10.1080/03014223.2014.930054>.
23. Marchán, D.F., **Fernández, R.**, Novo, M., Díaz Cosín, D.J. 2014. New light into the hormogastrid riddle: morphological and molecular description of *Hormogaster joseantonioi* sp. n. (Annelida, Clitellata, Hormogastridae). *ZooKeys* 414: 1-17.
22. **Fernández, R.**, Vahtera, V., Laumer, C.E., Libro, S., Kaluziak, S., Sharma, P.P., Pérez-Porro, A., Edgecombe, G.D., Giribet, G., 2014. Evaluating topological conflict in centipede phylogeny using transcriptomic data sets. *Molecular Biology and Evolution*, 31(6): 1500-1513.
21. **Fernández, R.**, Kvist, S., Lenihan, J., Giribet, G., Ziegler, A., 2014. Sine systemate chaos? A versatile tool for earthworm taxonomy: non-destructive imaging of freshly fixed and museum specimens using micro-computed tomography. *PLoS ONE*. DOI: 10.1371/journal.pone.0096617
20. Lenihan, J., Kvist, S., **Fernández, R.**, Giribet, G., Ziegler, A., 2014. A dataset comprising four micro-computed tomography scans of freshly fixed and museum earthworm specimens. *GigaScience* 3:6 <http://dx.doi.org/10.1186/2047-217X-3-6>

19. **Fernández, R.**, Lemer, S., McIntyre, E., Giribet, G. 2014. Comparative phylogeography and population genetic structure of three widespread mollusc species in the Western Mediterranean and near Atlantic. *Marine Ecology*. DOI: 10.1111/maec.12178
18. Díaz Cosín, D.J., Novo, M., **Fernández, R.**, Marchán, D.F., Gutiérrez, M., 2014. A new species within a controversial genus: *Eiseniona gerardo* sp. n. (Annelida, Lumbricidae)-description of a new species of earthworm from Spain based on morphological and molecular data. *Zootaxa* 399, 71-87.
17. Gutiérrez, M., Ranera, E., **Fernández, R.**, Novo, M., Trigo, D., 2014. Does the invasion of the exotic tree *Ailanthus altissima* affect the soil arthropod community? The case of a riparian forest of the Henares River (Madrid). *Plant and Soil* 62, 39-48.
16. Novo, M., **Fernández, R.**, Granado-Yela, C., Gutiérrez, M., Fernández-Marchán, D., Díaz Cosín, D.J. 2013. Does the order of copulation matter? Experimental paternity analyses in the earthworm *Hormogaster elisae* (Annelida: Hormogastridae). *Pedobiologia* 56, 97-104.
15. **Fernández, R.**, Almodóvar, A., Novo, M., Gutiérrez, M., Díaz Cosín, D.J., 2013. Earthworms, good indicators for palaeogeographic studies? Testing the genetic structure and demographic history in the peregrine earthworm *Aporrectodea trapezoides* (Dugès, 1828) in southern Europe. *Soil Biology and Biochemistry* 58, 127-135.
14. Novo, M., **Fernández, R.**, Fernández-Marchán D, Gutiérrez M, Díaz Cosín D., 2012. Compilation of morphological and molecular data, a necessity for taxonomy: The case of *Hormogaster abbatissae* sp. n. (Annelida, Clitellata, Hormogastridae). *Zookeys* 242, 1-16.
13. Novo, M., Almodóvar, A., **Fernández, R.**, Trigo, D., Díaz Cosín, D.J., Giribet, G., 2012. Appearances can be deceptive: different diversification patterns within a group of Mediterranean earthworms (Oligochaeta, Hormogastridae). *Molecular Ecology* 21, 3776-3793.
12. **Fernández, R.**, Almodóvar, A., Novo, M., Díaz Cosín, D.J., 2012. Adding complexity to the complex: phylogeny and origin of parthenogenesis in the *Aporrectodea caliginosa* species complex (Oligochaeta, Lumbricidae). *Molecular Phylogenetics and Evolution* 64, 368-379.
11. Díaz Cosín, D., Novo, M., **Fernández, R.**, 2011. Reproduction of Earthworms: Sexual Selection and Parthenogenesis. In: Karaca, A. (ed.), *Biology of Earthworms, Soil Biology*, Volume 24, 69-86, ISBN 978-3-642-14635-0.
10. **Fernández, R.**, Bergman, P., Almodóvar, A., Díaz Cosín, D.J., Heethoff, M. 2011. Ultrastructural and molecular insights into three populations of *Aporrectodea trapezoides* (Dugès, 1828) (Oligochaeta, Lumbricidae) with different reproductive modes. *Pedobiologia* 54, 281-290.
9. Novo, M., Almodóvar, A., **Fernández, R.**, Giribet, G., Díaz Cosín, D.J. 2011. Understanding the biogeography of a group of earthworms in the Mediterranean basin—The phylogenetic puzzle of Hormogastridae (Clitellata: Oligochaeta). *Molecular Phylogenetics and Evolution* 61, 125-135.

8. **Fernández, R.**, Almodóvar, A., Novo, M., D., Gutiérrez, M., Díaz Cosín, D.J. 2011. A vagrant clone in a peregrine species: Phylogeography, high clonal diversity and geographical distribution in the earthworm *Aporrectodea trapezoides* (Dugès, 1828). *Soil Biology and Biochemistry* 43, 2085-2093.
7. Gutiérrez, M., Jesús, J.B., Trigo, D., **Fernández, R.**, Novo, M., Díaz Cosín, D.J. 2010. Relationships among spatial distribution of soil microarthropods, earthworm species and soil properties. *Pedobiologia* 53, 381-389.
6. Novo, M., Almodóvar, A., **Fernández, R.**, Gutiérrez, M., Díaz Cosín, D.J. 2010. Mate choice of an endogeic earthworm revealed by microsatellite markers. *Pedobiologia* 53, 375-379.
5. **Fernández, R.**, Novo, M., Almodóvar, A., D., Díaz Cosín, D.J. 2010. Life cycle and reproductive traits in *Aporrectodea trapezoides* (Dugès, 1828) (Oligochaeta, Lumbricidae) in laboratory cultures. *Pedobiologia* 53, 295-299.
4. Novo, M., Almodóvar, A., **Fernández, R.**, Trigo, D., Díaz Cosín, D.J. 2010. Cryptic speciation of hormogastrid earthworms revealed by mitochondrial and nuclear data. *Molecular Phylogenetics and Evolution* 56, 507-512.
3. Díaz Cosín, D.J., Hernández, P., Trigo, D., **Fernández, R.**, Novo, M. 2009. Algunos aspectos del ciclo biológico del endemismo ibérico *Hormogaster elisae* Álvarez, 1977 (Oligochaeta, Hormogastridae) en cultivos de laboratorio. *Boletín de la Real Sociedad Española de Historia Natural (Sección Biológica)* 103, 49-57.
2. Gutiérrez, M., Jesús, J.B., Trigo, D., **Fernández, R.**, Díaz Cosín, D.J. 2009. The influence of *Hormogaster elisae* (Oligochaeta, Hormogastridae) on the colonisation of defaunated soil by microarthropods in laboratory cultures. *Pedobiologia* 52, 163-170.
1. Hernández, P., **Fernández, R.**, Novo, M., Trigo, D., Díaz Cosín, D.J. 2007. Geostatistical and multivariate analysis of the horizontal distribution of an earthworm community in El Molar (Madrid, Spain). *Pedobiologia* 51, 13-21.

SUBMITTED

40. **Fernández, R.**, Novo, M., Marchán, D.F., Giribet, G., Díaz Cosín, D.J. under review Insights into the origin of parthenogenesis in oligochaetes: strong genetic structure in a cosmopolitan earthworm is not related to reproductive mode. *Journal of Heredity*.

INVITED TALKS

Museum of Comparative Zoology, Harvard University

Title: Phylogenomic insights into evolution of arthropods

Cambridge, MA

October 2016 (scheduled)

XXXV Annual Meeting of the Willi Hennig Society

Plenary speaker

Buenos Aires, Argentina

October 2016 (scheduled)

Centre for Genomic Regulation, Gabaldon Lab

Title: Metazoan evolution through genomics and transcriptomics: insights into the rare and small.

Barcelona, Spain

April 2016

Department of Zoology, University of Cambridge

Title: The arthropod tree of life: reconciling genes, isoforms, fossils, morphology and biogeography.

Cambridge, UK

September 2015

Postdoc Science Club, Harvard University and MIT

Title: Phylogenomic inference in non-model organisms

Cambridge, MA

May 2015

The Broad Institute of Harvard/MIT (Annual retreat)

Title: Unraveling the tree of life through phylogenomics in non-model organisms.

Cambridge, MA

September 2014

Eberhard-Karls Universität

Title: Ecological and molecular insights into reproductive traits in cosmopolitan earthworms.

Tübingen, Germany

May 2010

Complutense University

Title: Molecular phylogeny in earthworms: a practical case.

Madrid, Spain

March 2009

CONFERENCE PRESENTATIONS

XX International Congress of Arachnology

July 2016. Golden, Colorado

- **Fernández, R.**, Baker, C., Cosgrove, J., Sharma, P., Giribet, Unraveling the Chelicerata tree of life: phylogenomic resolution of chelicerate interrelationship based on deep taxon sampling. Oral presentation.

- Giribet, G., **Fernández, R.**, Tourinho, A., Sharma, P. The Opiliones Tree of Life: resolution of harvestmen relationships through transcriptomics reflects ancient regionalization of Pangea and multiple instances of temperate Gondwanan vicariance. Oral presentation.

- Hormiga, G., **Fernández, R.**, Kallal, B., Ballesteros, J., Dimitrov, D., Arnedo, M., Giribet, G. A phylogenomic approach to resolve the relationships among the main lineages of araneoid spiders. Oral presentation.

III Iberian Congress on Animal Systematics

December 2015. Vitoria, Spain

- **Fernández, R.**, Edgecombe, G.E., Giribet, G., The myriapod tree of life: reconciling genes, isoforms, fossils, morphology and biogeography. Oral presentation.
- Marchán, D.F., Novo, M. **Fernández, R.**, Sousa, I. Díaz Cosín, D.J. Going deeper into Hormogastridae (Annelida, Oligochaeta): new approaches to support their taxonomic revision. Oral presentation.
- Novo, M. **Fernández, R.**, Andrade, S., Marchán, D.F., Cunha, L., Díaz Cosín, D.J. Shedding light on the origins of a Mediterranean earthworm family (Annelida: Hormogastridae) through phylogenomic analyses. Poster presentation.

Evolution

June 2015. Guarajá, Brazil

- **Fernández, R.**, Edgecombe, G.E., Hormiga, Giribet, G., The arthropod tree of life: reconciling genes, isoforms, fossils, morphology and biogeography. Oral presentation.

Evolution

June 2014. Raleigh, NC

- Ballesteros, J., **Fernández, R.**, Sharma, P., Giribet, G., Hormiga, G. Comparative transcriptomics reveals orthologous loci for spider phylogenetics. Poster presentation.

X International Symposium on Earthworm Ecology

June 2014. Athens, GA

- **Fernández, R.**, Kvist, S., Lenihan, J., Giribet, G., Ziegler, A. Sine systemate chaos? A versatile tool for earthworm taxonomy: non-destructive imaging of freshly fixed and museum specimens using micro-computed tomography. Oral presentation.
- **Fernández, R.**, Novo, M., Marchán, D.F., Díaz Cosín, D.J. Similar spatial radiation in cosmopolitan earthworms. Poster presentation.
- Marchán, D.F., Novo, M., **Fernández, R.**, Díaz Cosín, D.J. Getting closer: study at a micro geographical scale of the cryptic speciation in *Hormogaster elisae* (Oligochaeta, Hormogastridae). Poster presentation.
- Novo, M., **Fernández, R.**, Marchán, D.F., Trigo, D., Díaz Cosín, D.J. Unearthing the historical biogeography of Mediterranean earthworms (Annelida: Hormogastridae). Oral presentation.

XVI International Colloquium on Soil Zoology

August 2012. Coimbra, Portugal

- Novo, M., **Fernández, R.**, Gutiérrez, M., Trigo, D., Díaz Cosín, D.J. Morphological versus molecular evolution: different patterns within Hormogastridae earthworms. Poster presentation.

I Iberian Congress on Animal Systematics

January 2012. Madrid, Spain

- Novo, M., **Fernández, R.**, Almodóvar, A., Díaz Cosín, D.J., Giribet, G. La historia de una familia de lombrices de tierra en el Mediterráneo (Oligochaeta: Hormogastridae) contada por marcadores moleculares. Oral presentation.
- **Fernández, R.**, Novo, M., Gutiérrez, M., Almodóvar, A., Díaz Cosín, D.J. Genetic variability and population genetics in *Aporrectodea trapezoides* (Dugès, 1828)(Oligochaeta, Lumbricidae). Oral presentation. **1st prize, best oral presentation.**

IX International Symposium on Earthworm Ecology September 2010. Xalapa, Mexico

- **Fernández, R.**, Novo, M., Gutiérrez, M., Almodóvar, A., Díaz Cosín, D.J. The neverending story of the *Aporrectodea caliginosa* species complex: new insights into its phylogeny. Oral Communication.
- Novo, M., **Fernández, R.**, Gutiérrez, M., Almodóvar, A., Díaz Cosín, D.J. The taxonomic puzzle of Hormogastrid earthworms: molecular insights. Oral Communication.
- **Fernández, R.**, Novo, M., Simancas, B., Fernández-Marchán, D., Díaz Cosín, D.J. Parthenogenesis in *Aporrectodea trapezoides* (Dugès, 1828): reproductive traits in field-collected and laboratory-reared earthworms. Poster presentation.
- **Fernández, R.**, Novo, M., Almodóvar, A., Díaz Cosín, D.J. Genetic variability and population genetics in *Aporrectodea trapezoides* (Dugès, 1828) (Oligochaeta, Lumbricidae). Poster presentation.
- Gutiérrez, M., Salmon, S., **Fernández, R.**, Trigo, D. Importance of ammonium content in the attraction or repulsion of Collembola to the excreta of earthworms. Poster presentation.
- Novo, M., **Fernández, R.**, Almodóvar, A., Díaz Cosín, D.J. Cryptic speciation within *Hormogaster elisae* revealed by molecular data. Poster presentation.
- Novo, M., **Fernández, R.**, Jesús, J.B., Almodóvar, A., Díaz Cosín, D.J. The tale of a lazy worm: Reproductive behaviour of *Hormogaster elisae* revealed by microsatellite markers. Poster presentation.
- **Fernández, R.**, Novo, M., Jesús, J.B., Trigo, D., Díaz Cosín, D.J. *Aporrectodea trapezoides* (Dugès, 1828): life cycle in singletons and twins. Poster presentation.

XII Congress of the European Society for Evolutionary Biology August 2009. Torino, Italy

- **Fernández, R.**, Novo, M., Jesús, J.B., Almodóvar, A., Díaz Cosín, D.J. High genetic variability in the parthenogenetic earthworm *Aporrectodea trapezoides* (Oligochaeta,Lumbricidae). Poster presentation.
- Novo, M., **Fernández, R.**, Trigo, D., Almodóvar, A., Díaz Cosín, D.J. Cryptic speciation of hormogastrid earthworms in Central Iberian Peninsula is not related to soil properties but to biogeography. Poster presentation.

XV International Colloquium on Soil Zoology

August 2008. Curitiba, Brasil

- Novo, M., **Fernández, R.**, Almodóvar, A.; Díaz Cosín, D.J. High genetic divergence among *Hormogaster* populations in Central Iberian Peninsula revealed by COI gene. Poster presentation.
- Gutiérrez, M., Salmone, S., Díaz Cosín, D.J., **Fernández, R.** The impact of the earthworm *Aporrectodea giardi* on the behaviour of the collembola *Heteromurus nitidus*. Poster presentation.
- Gutiérrez, M., Salmone, S., Trigo Aza, D., **Fernández, R.** The effect of the earthworm *Hormogaster elisae* on the abundance of the collembola *Heteromurus nitidus* in soil from El Molar (Madrid). Poster presentation.

SOCIETY MEMBERSHIPS

Society of Systematic Biologists; Society for Molecular Biology and Evolution; The International Society of Arachnology; Spanish Society for Evolutionary Biology; ECUSA (Association of Spaniard Scientists in USA)

REFERENCES

Gonzalo Giribet, Ph.D.

Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Professor of Organismic and Evolutionary Biology
Curator of Invertebrates, Museum of Comparative Zoology
Harvard University
26 Oxford Street
Cambridge, MA 02138
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Gregory E. Edgecombe, Ph.D.

Merit Researcher
Earth Sciences Department, Invertebrates and Plants Division
The Natural History Museum
Cromwell Road
London, SW7 5BD
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Gustavo Hormiga, Ph.D.

Ruth Weintraub Professor of Biology
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