

## JUAN E. URIBE CV

Biodiversity and Evolutionary Biology Department (**BEED**)

Museo Nacional de Ciencias Naturales (**MNCN-CSIC**)

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[Google Scholar](#), [ResearchGate](#), and [CvLac](#)

### RESEARCH INTEREST

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I am Colombian evolutionary biologist interested in diversification patterns, trace traits, and the molecule evolution in Invertebrate clades, with a special interest in molluscs and arthropods. To this, I integrate genomic techniques, phylogenetic inferences, and molecular systematics.

### EDUCATION

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- 2012-2016 Ph.D. in Biology and Feed Science, Universidad Autónoma de Madrid, Spain.  
2011-2012 Master's Degree in Biodiversity, Universidad Autónoma de Madrid, Spain.  
2004-2011 BA Biology, Universidad del Magdalena, Santa Marta, Colombia.

### WORK EXPERIENCE

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- 2020-ongoing **Postdoctoral Position**, Museo Nacional de Ciencias Naturales (MNCN), Madrid, Spain.  
2019-2022 **Research Associate**, SI, NMNH-IZ, Washington DC, US.  
2017-2019 **Postdoctoral Position**, SI, NMNH-IZ, Washington DC, US.  
2017 **Research Stay**, MNCN, Madrid, Spain.  
2016 **Research Stay**, GIESEMOL, UNIMAG, Colombia.  
2014,2015 **Research Stay**, Muséum national d'Histoire naturelle (MNHN), Paris, France.  
2011-2016 **Predocctoral Position**, MNCN, Madrid, Spain.  
2009-2011 **Undergraduate Research Training**, GIESEMOL, UNIMAG, Colombia.

### GRANTS, AWARDS, FELLOWSHIPS, AND NOMINATIONS

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- 2020 Atracción Talento de la Comunidad de Madrid Postdoctoral **Fellowship Award** (Comunidad de Madrid: 2019-T2/AMB-13166).  
2019 **Nomination** as Research Associate, SI, NMNH-IZ, Washington DC, US.  
2019 Smithsonian Institution DNA Barcode Network **Award** (Orthoptera)  
2018 Gaviota Dorada **Award**, Best Researcher As Folmer Student, Universidad del Magdalena, Santa Marta, Colombia  
2017 Peter Buck Postdoctoral **Fellowship Award** (US Government)  
2016 Cabrera **Award**, Best Undergraduate Student, Museo Nacional de Ciencias Naturales (MNCN), Madrid, Spain  
2016 Annual **Award** by The Malacological Society of London, UK  
2015 Research Travel **Grant** (Spanish Government: EEBB-I-15-10150)  
2014 Sponsorship **Grant**, Synthesys Program (European Union)  
2014 Research Travel **Grant** (Spanish Government: EEBB-I-14-08866)  
2011 Predocctoral FPI **Fellowship** (Spanish Government: BES-2011-051469)

### PEER-REVIEW PUBLICATION

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- 2020 **URIBE J.E., NAVA, S., MURPHY, KR., TARRAGONA, EVELINA. & CASTRO, L.** Characterization of the complete mitochondrial genome of *Amblyomma ovale*, comparative analyses and phylogenetic considerations. *Experimental and Applied Acarology*.  
**HARASEWYCH M. G., SEI M., & URIBE J.E.** The complete mitochondrial genome of *Harpovoluta charcoti* (Gastropoda: Neogastropoda: Volutidae). *Mitochondrial DNA Part B*, 5(2): 1986–1988.  
**IRISARRI I., URIBE, J.E., EERNISSE, D. & ZARDOYA R.** A mitogenomic phylogeny of chitons (Mollusca: Polyplacophora). *BMC Evolutionary Biology*, 20(1): 1–15.

- 2019 HARASEWYCH M. G., SEI M., WIRSHING H.H., GONZÁLEZ L.V., & URIBE J.E. The complete mitochondrial genome of *Neptuneopsis gilchristi* G.B. Sowerby III, 1898 (Neogastropoda: Volutidae: Calliotectinae). *Nautilus*, 133(3-4): 67-73.  
 URIBE, J.E., IRISARRI I., TEMPLADO, J. & ZARDOYA R. New patellogastropod mitogenomes help counteracting long-branch attraction in the deep phylogeny of gastropod mollusks. *Molecular Phylogenetics and Evolution*, 133: 12-23.  
 ABALDE S., TENORIO M.J., URIBE J.E. & ZARDOYA R. Conidae phylogenomics and evolution. *Zoologica Scripta*, 48(2): 194-214.
- 2018 URIBE, J.E., ZARDOYA R. & PULLANDRE, N. Phylogenetic relationships of the conoidean snails (Gastropoda: Caenogastropoda) based on mitochondrial genomes. *Molecular Phylogenetics and Evolution*, 127: 898-906.
- 2017 ABALDE S., TENORIO M.J., AFONSO C.M.L., URIBE J.E., ECHEVERRY A.M. & ZARDOYA R. Phylogenetic relationships of cone snails endemic to Cabo Verde based on mitochondrial genomes. *BMC Evolutionary Biology*, 17(1): 231.  
 URIBE J.E. & ZARDOYA R. Revisiting the phylogeny of Cephalopoda using complete mitochondrial genomes. *Journal of Molluscan Studies*, 83 (2): 133-144.  
 URIBE, J.E., WILLIAMS, S.T., TEMPLADO, J., ABALDE S. & ZARDOYA R. Denser mitogenomic sampling improves resolution of the phylogeny of the superfamily Trochoidea (Gastropoda: Vetigastropoda). *Journal of Molluscan Studies*, 83 (1): 111-118.  
 URIBE, J.E., PULLANDRE, N. & ZARDOYA R. Beyond *Conus*: phylogenetic relationships of Conidae based on complete mitochondrial genomes. *Molecular Phylogenetics and Evolution*, 107: 142-151.  
 URIBE, J.E., WILLIAMS, S.T., TEMPLADO, J., BUGE B. & ZARDOYA R. Phylogenetic relationships of Mediterranean and North-East Atlantic Cantharidinae and notes on Stomatellinae (Vetigastropoda: Trochidae). *Molecular Phylogenetics and Evolution*, 107: 64-79.
- 2016 URIBE, J.E., COLGAN, D., CASTRO L.R., KANO Y. & ZARDOYA R. Phylogenetic relationships among superfamilies of Neritimorpha (Mollusca: Gastropoda). *Molecular Phylogenetics and Evolution*, 104: 21-31.  
 URIBE, J.E. & GUTIÉRREZ-RODRÍGUEZ J. The complete mitogenome of the Trilobite Beetle, *Platerodrilus* sp. (Elateroidea: Lycidae). *Mitochondrial DNA Part B*, 1(1): 658-659.  
 URIBE, J.E., KANO, Y., TEMPLADO, J. & ZARDOYA, R. Mitogenomics of Vetigastropoda: insights into the evolution of pallial symmetry. *Zoologica Scripta* 42(2): 145-159.
- 2012 ARQUEZ, M., URIBE, J.E. & CASTRO L.R. Comparative analysis of the mitochondrial genomes in Gastropods. *Acta biológica Colombiana*, 17(2): 397-41.
- 2011 URIBE, J.E. & CASTRO, L.R. Selection effect of the outgroup in the recovering the phylogenetic relationships of Gastropoda (Mollusca) using complete mitochondrial genomes. *Revista Intropica*, 6: 41-49.

## ONGOING STUDIES

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Transcriptome based phylogeny of Gastropoda (Mollusca, Gastropoda). **Main researcher.**  
 Oligo-Middle Miocene ancient radiation of western Palearctic darkling beetles of the genus *Pimelia* (Tenebrionidae).  
 DNA Barcoding and Patterns of Diversification of Montane Hispaniolan Orthoptera.  
 Ring species: *Pygnogaster* mitogenomics (Orthoptera).  
 Diversification of the subfamily Meloinae (Coleoptera: Meloidae) and evolution of characters related to its life cycle.

## CONGRESS AND MEETING PRESENTATIONS

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- 2019 URIBE J.E., GONZALEZ V.L., KANO Y., HERBERT D.G., STRONG E.E., & HARASEWYCH M.G. World Congress of Malacology -WCM-, USA.  
 IRISARRI I., URIBE J.E., EERNISSE D.J. & ZARDOYA R. WCM, USA.

- 2018 HARASEWYCH G.M., GONZÁLEZ V., VILLAR D.A., STRONG E. & **URIBE J.E.** *V Congreso Colombia de Zoología*, Bogotá, Colombia.  
**URIBE J.E.**, IRISARRI I., TEMPLADO J. & ZARDOYA R. *V Congreso Colombia de Zoología*, Bogotá, Colombia.  
 LÓPEZ-ESTRADA K., **URIBE J.E.**, ABALDE S., GARCÍA-PARÍS M. *V Congreso Colombia de Zoología*, Bogotá, Colombia.  
 IBÁÑEZ C., AVARIA-LLAUTUREO J., CARRASCO S., **URIBE J. E.** & ZARDOYA R. *LXI SOCBIOL - XIV SCN - LI SOCHIGEN - XII SOCEVOL*, Puerto Varas, Chile.  
**URIBE J.E.**, IRISARRI I., TEMPLADO J. & ZARDOYA R. *Meeting on the conservation of the ferruginous limpet (Patella ferruginea)*, Rodalquilar, Almería, Spain.  
**URIBE J.E.**, ZARDOYA R., IRISARRI I., TEMPLADO J., STRONG E. & HARASEWYCH J. *Mid-Atlantic Malacologists (MAM) Meeting*, Wilmington, Delaware, USA.  
 ABALDE S., TENORIO M.J., AFONSO C.M.L., **URIBE J.E.** & ZARDOYA R. *IV Iberian Congress of Biological Systematics (CISA)*. Palma de Mallorca, Balears, Spain.
- 2017 ABALDE S., **URIBE J.E.**, AFONSO C.M.L., TENORIO M.J. & ZARDOYA R. *Congress of the Sociedades Españolas de Genética y Biología Celular (SEBD)*, Gijón, Spain.
- 2016 **URIBE, J.E.**, OSCA, D., ABALDE, S., TEMPLADO, J. & ZARDOYA. R. *V Congress of the Sociedad Española de Biología Evolutiva (SESBE)*, Murcia, Spain.  
**URIBE, J.E.**, OSCA, D., ABALDE, S., KANO, Y., PUILANDRE N., TEMPLADO, J. & ZARDOYA. R. *World Congress of Malacology*, Penang, Malaysia.  
 PUILANDRE N., AZNAR-CORMANO L., PHUONG M., **URIBE J.E.**, ZARDOYA R. & ABDELKRIM J. *Cone meeting*, Brussel, Belgium.
- 2015 **URIBE, J.E.**, TEMPLADO J., PUILANDRE N. & ZARDOYA R. *VIII Jornadas del Departamento de Biodiversidad y Biología Evolutiva*, MNCN, Madrid, Spain.  
**URIBE, J.E.**, OSCA, D., ABALDE, S., TEMPLADO, J. & ZARDOYA. R. *III CISA*, Vitoria-Gasteiz, Spain.
- 2014 **URIBE, J.E.**, TEMPLADO J., WILLIAMS S., ÁLVAREZ R. & ZARDOYA, R. *3rd Meeting of The network for Neotropical Biogeography (NNB3)*, Universidad de los Andes, Bogotá, Colombia.
- 2013 **URIBE, J.E.**, TEMPLADO J., WILLIAMS S., OLIVERO M. & ZARDOYA, R. *II CISA*, Universidad de Barcelona, Spain.  
 ZARDOYA, R., OSCA D., IRISARRI I. & **URIBE J.E.** *II CISA*, Universidad de Barcelona, Spain.
- 2012 **URIBE, J.E.** & CASTRO L.R. *I CISA*, Universidad Autónoma of Madrid, Spain.
- 2011 CASTRO, L.R & **URIBE J.E.** *I Primer Congreso colombiano de Biología Computacional (CCBC)*, National University of Colombia, Bogotá, Colombia.

#### INVITED PRESENTATIONS AND COURSES

- 2020 Department of Biology, Undergraduate Course of Animal Systematic, Universidad of Magdalena, Santa Marta, Colombia.
- 2018 Department of Biology, Undergraduate Course of Animal Systematic, Universidad of Magdalena, Santa Marta, Colombia.
- 2017 Basic course about molecular markers and phylogenetic tree reconstruction, Universidad del Magdalena, Santa Marta, Colombia. 16 hours.

#### ADDITIONAL TRAINING

- 2019 “*Evolutionary Genomic Training on the Caribbean Coast of Colombia*” Andes’ University. 64 hours.
- 2019 “*Assembly and Edition of complete genomes*”, Smithsonian Institution, National Museum of Natural History. 12 hours.
- 2018 “*Data Carpentry Genomics Workshop*”, Smithsonian Institution, National Museum of Natural History. 15 hours.

2014 “*Filogenias y Genealogías de DNA: Reconstrucción y aplicaciones*”. IRBio/Universidad de Barcelona. 65 hours.

## OUTREACH

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2017 *Printing press*, Museo Nacional de Ciencias Naturales (MNCN), Madrid, Spain: “[Analizan las relaciones evolutivas de un grupo de caracoles marinos europeos](#)”. Date 23/08/2017.

## PROFESSIONAL SERVICES AS REFEREE

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*Molecular Phylogenetics and Evolution Journal.*

*Zoologica Scripta Journal.*

*Journal of Molluscan Studies.*

*Journal of Heredity.*

*International Journal of Molecular Science*

*Genes.*

*Universidad Nacional de Colombia*

*Universidad del Magdalena*

## FIELD EXPERIENCE

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Sampling *mollusks* from rocky shore, Cantabria and País Vasco, Spain (MNCN) -2014. Sampling *grasshopper (Pygnogaster)*, Extremadura and Camps of Gibraltar, (MNCN) - 2016; Sampling *ticks (Amblyomma)* in Tayrona Park and Sierra Nevada of Santa Marta, Magdalena, Colombia (Universidad del Magdalena) -2016-7; Sampling *mollusks* from rocky shore and coral reefs, Santa Marta and Tayrona Bays, Magdalena, Colombia (Universidad del Magdalena) -2017. Sampling *mollusks* from rocky shore, Asturias, Spain (NMNH) -2018. Sampling *mollusks* from deep sea and coral reefs, Curacao (NMNH and Autonomous Reef Monitoring Structures -ARMS-) - Nov, 2018. Sampling *mollusks* from rocky shore and coral reefs, Santa Marta and Tayrona Bays, Magdalena, Colombia (NMNH) - Dec, 2018; Sampling *grasshopper (Stenopelmatus)*, Guatemala, (UNAM) - Mar, 2019.

## LANGUAGE

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-Spanish (native)

-English (B2)

## REFERENCES

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Jerry Harasewych Ph.D. (Postdoctoral advisor)

Research zoologist and Curator of marine Mollusca (Emeritus) of the Invertebrate Zoology Department at the Smithsonian Institution, NMNH, Washington DC, USA. Contact him in [harasewych@si.edu](mailto:harasewych@si.edu)

Rafael Zardoya Ph.D. (Ph.D. advisor)

Research professor at MNCN-CSIC, Madrid, Spain. Contact him in [rafaz@mncn.csic.es](mailto:rafaz@mncn.csic.es)