Ricardo Segovia

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Employment

- **Institute of Ecology and Biodiversity (IEB-Chile)** — Santiago, Chile
  Associate Researcher — *March 2019 - Present*
  - **Forest plots network**: I'm an associate researcher in the area of Ecosystem Sciences, lead by Dr. Juan Armesto. The central goal during this stage is creating a forest plot network to study the evolution of biodiversity in the Andean region.
- **School of GeoSciences, University of Edinburgh** — Edinburgh, UK
  Newton International Fellow — *Feb 2017 - Jan 2019*
  - **Genus-level phylogeny for trees**: This project, funded by *The Royal Society*, was a collaboration with Dr. Kyle Dexter from the University of Edinburgh. We built a global phylogeny for trees in order to unveil the evolutionary structure of biodiversity and to explore the main forces driving the diversification.
- **Institute of Ecology and Biodiversity (IEB-Chile)** — Santiago, Chile
  Postdoc-Fondecyt — *Dec 2013 - Nov 2016*
  - **Phylodiversity patterns**: During this project, we studied the similarities between phylodiversity pattern across the latitudinal gradient in southern South America, and the elevational gradient in the tropical Andes.

Education

- **Facultad de Ciencias, Universidad de Chile** — Santiago, Chile
  PhD in Ecology and Evolutionary Biology — *Mar. 2009 – Sep. 2013*
- **Facultad de Ciencias, Universidad de Chile** — Santiago, Chile
  Master in Ecology and Evolutionary Biology — *Mar. 2007 – Jan. 2009*
- **Universidad de Concepción** — Concepción, Chile
  Biologist — *Mar. 2002 – Jan. 2007*

Grants

- **AI for Earth, Microsoft** (2019-2020); PI; Title: *"Machine Learning to state the global structure of Biodiversity"*; $15,000

Bibliometric Information

- Total number of peer-reviewed publications: **10**
- Total number of citations: **100**
- H index (overall, not limited to the last 5 years): **5**
- i10 index (overall, not limited to the last 8 years): **4**

[Source: **Google Scholar**. For current citation statistics, please visit: http://tiny.cc/segoviara)]

Publications list

1. Segovia, R. A., Pennington, R. T., Baker, T. R., De Souza, F. C., Neves, D. M., Davis, C. C., Armesto, J. J., Olivera-Filho, A. T., and Dexter, K. G. (2020b). Freezing and water availability structure the evolutionary diversity of trees across the americas. *Science Advances*, 6(19):eaaz5373

2. Martinez, P. S., Vilalta, J. M., Dexter, K., Segovia, R. A., and Mencuccini, M. (2020). Adaptation and coordinated evolution of plant hydraulic traits. *Authorea, Inc.*

3. Neves, D. M., Dexter, K. G., Baker, T. R., de Souza, F. C., Oliveira-Filho, A. T., Queiroz, L. P., Lima, H. C., Simon, M. F., Lewis, G. P., Segovia, R. A., et al. (2020). Evolutionary diversity in tropical tree communities peaks at intermediate precipitation. *Scientific Reports*, 10(1):1–7

4. Segovia, R. A., Griffiths, A. R., Arenas, D., Dias, P., and Dexter, K. G. (2020a). Signals of recent tropical radiations in cunoniaceae, an iconic family for understanding southern hemisphere biogeography. *bioRxiv*

5. Anbleyth-Evans, J., Leiva, F. A., Rios, F. T., Segovia, R. A., Häussermann, V., and Aguirre-Munoz, C. (2020). Toward marine democracy in chile: Examining aquaculture ecological impacts through common property local ecological knowledge. *Marine Policy*, page 103690

6. Martinez, P. S., Vilalta, J. M., Dexter, K., Segovia, R. A., and Mencuccini, M. (2020). Adaptation and coordinated evolution of plant hydraulic traits. *Authorea, Inc.*

7. Segovia, R. A. (2019). MAT drives the variation in maximum potential species richness and frost organizes the residual variation. *BioRxiv*, (doi: 10.1101/836338)

8. Dexter, K. G., Segovia, R. A., and Griffiths, A. R. (2019). Exploring the concept of Lineage Diversity across North American forests. *Forests*, 10(6):520

9. Segovia, R. A. and Armesto, J. J. (2015). The Gondwanan legacy in South American biogeography. *Journal of Biogeography*, 42(2):209–217

10. Villagran, C., Segovia, R., and Castillo, L. (2014). Principles of research in historical Natural Sciences: Why is the Natural History of organisms necessary in Biology? *Gayana Botanica*, 71(2):259–266

11. Perez, F., Irarrazabal, C., Cossio, M., Peralta, G., Segovia, R., Bosshard, M., and Hinojosa, L. F. (2014). Microsatellite markers for the endangered shrub Myrceugenia rufa (Myrtaceae) and three closely related species. *Conservation Genetics Resources*, 6(3):773–775

12. Segovia, R. A., Hinojosa, L. F., Perez, M. F., and Hawkins, B. A. (2013). Biogeographic anomalies in the species richness of Chilean forests: Incorporating evolution into a climatic - historic scenario. *Austral Ecology*, 38(8):905–914

13. Segovia, R. A., Perez, M. F., and Hinojosa, L. F. (2012). Genetic evidence for glacial refugia of the temperate tree *Eucryphia Cordifolia* (Cunoniaceae) in southern South America. *American Journal of Botany*, 99(1):121–129

14. Gonzalez-Teuber, M., Segovia, R., and Gianoli, E. (2008). Effects of maternal diet and host quality on oviposition patterns and offspring performance in a seed beetle (Coleoptera : Bruchidae). *Naturwissenschaften*, 95(7):609–615

Presentations

- 16 presentations at conferences: 9 talks and 7 posters.

Peer Reviews Completed

Journal of Biogeography (2), **Molecular Ecology** (1), Molecular Phylogenetics and Evolution (1), **Proceedings of The Royal Society B** (1), Ecology (1).