

# Ricardo Segovia

<http://ricardosegovia.github.io>

Email : [segoviacortes@gmail.com](mailto:segoviacortes@gmail.com)

Mobile : +075 48 179 990

## EMPLOYMENT

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- **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

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- **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

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

## BIBLIOMETRIC INFORMATION

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- Total number of peer-reviewed publications: **11**
- Total number of citations: **99**
- 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

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1. Sanchez-Martinez, P., Martinez-Vilalta, J., Dexter, K., Segovia, R. A., and Mencuccini, M. (in press). Adaptation and coordinated evolution of plant hydraulic traits. *Ecology Letters*. DOI:10.22541/au.158334192.25210420
2. 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

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. Segovia, R. A. (2019). MAT drives the variation in maximum potential species richness and frost organizes the residual variation. *BioRxiv*, (doi: 10.1101/836338)
7. 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
8. Segovia, R. A. and Armesto, J. J. (2015). The Gondwanan legacy in South American biogeography. *Journal of Biogeography*, 42(2):209–217
9. 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
10. 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
11. 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
12. 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
13. 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

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## PRESENTATIONS

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

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## PEER REVIEWS COMPLETED

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