

PAOLA MONTOYA VALENCIA

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EDUCATION

Master's degree in Biological Sciences

2018 - Universidad de los Andes, Bogotá D.C. – Colombia.

Thesis: Why did some lineages participate in the Great American Biotic Interchange and others did not? The influence of dispersal ability and niche breadth

Biologist

2013 - Universidad del Valle, Santiago de Cali - Colombia

Thesis: Effect of historical and contemporary effects on species richness of Furnariidae (Aves: Passeriformes)

SELECTED EXPERIENCE

2018-2023 Assistant researcher at Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. Bogotá, D.C.- Colombia. Data analyses for genetic, genomics, phylogenetic and morphological information.

2018 BEIS Fellowship at Natural History Museum. Tring – London, United Kingdom. Laboratory workflow for DNA from museums specimens.

2015-2017 Teaching Assistant for Vertebrates and Evolution laboratories courses. Universidad de los Andes. Bogotá, D.C.- Colombia.

SELECTED PUBLICATIONS

Tenorio, E.A., Montoya, P., Norden, N., Rodríguez-Buriticá, S., Salgado-Negret, B. & Gonzalez, M.A. (2023). Mountains exhibit a stronger latitudinal diversity gradient than lowland regions. *Journal of Biogeography*. *In production*.

Montoya, P., Cadena, C. D., Claramunt, S., & Duchêne, D. A. (2022). Environmental niche and flight intensity are associated with molecular evolutionary rates in a large avian radiation. *BMC Ecology and Evolution*, 22(1), 1-10.

Guarnizo, C. E., Montoya, P., Quintero, I., & Cadena, C. D. (2022). Population divergence associated with spatial asynchrony in precipitation in Neotropical frogs. *Journal of Biogeography*, 49(12), 2169-2180.

Streicher, J. W., Loader, S. P., Varela-Jaramillo, A., Montoya, P. & de Sáe, R. O. 2020. Analysis of ultraconserved elements supports African origins of narrow-mouthed frogs. *Molecular Phylogenetics and Evolution* 146: 106771

Montoya, P., Gonzalez, M. A., Tenorio, E.A... *et al.* & B. Salgado-Negret. 2018. A morphological database for 606 colombian bird species. *Ecology* 99(7), 1693-1693

Gómez, C., Tenorio, E.A., Montoya, P & C.D. Cadena. 2016. Niche-tracking migrants and niche-switching residents: evolution of climatic niches in New World warblers (Parulidae). *Proc. R. Soc. B* 283: 20152458.
