

Michael A. Pardo

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Colorado State University
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CURRENT POSITION

NSF postdoctoral research fellow in biology 1 November 2019-Present
Host institution: Colorado State University
Sponsoring scientist: Dr. George Wittemyer

PROJECT TITLE: The function of vocal learning ability in African elephants

EDUCATION

Ph.D., Neurobiology and Behavior 15 August 2019
Cornell University

DISSERTATION: Vocal recognition and social cognition in the acorn woodpecker

Bachelor of Science, Summa Cum Laude, Environmental Biology May 2012
State University of New York College of Environmental Science and Forestry

HONORS THESIS: Tail communication in the Eastern gray squirrel, *Sciurus carolinensis*

PUBLICATIONS

K. Odom, M. Araya-Salas, J. Morano, R. Ligon, G. Leighton, C. Taff, A. Dalziell, A. Billings, R. Germain, **M. Pardo**, L. Guimarães de Andrade, D. Hedwig, S. Keen, Y. Shiu, R. Charif, M. Webster, A. Rice. (In press) Comparative bioacoustics: a roadmap for quantifying and comparing animal sounds across diverse taxa. *Biological Reviews*.

M. A. Pardo, E. L. Walters, W. D. Koenig. (2020) Experimental evidence that acorn woodpeckers recognize relationships among third parties no longer living together. *Behavioral Ecology* 31:1257-1265.

M. A. Pardo, C. E. Hayes, E. L. Walters, W. D. Koenig. (2020) Acorn woodpeckers vocally discriminate current and former group members from non-group members. *Behavioral Ecology* 31:1120-1128.

M. A. Pardo, J. H. Poole, A. S. Stoeger, P. H. Wrege, C. E. O'Connell-Rodwell, U. K. Padmalal, S. de Silva. (2019) Differences in combinatorial calls among the 3 elephant species cannot be explained by phylogeny. *Behavioral Ecology* 30:809-820.

M. A. Pardo, E. A. Sparks, T. S. Kuray, N. D. Hagemeyer, E. L. Walters, W. D. Koenig. (2018) Wild acorn woodpeckers recognize associations between individuals in other groups. *Proceedings of the Royal Society B* 285: 20181017 (cover article)

L. King, **M. Pardo**, S. Weerathunga, T. V. Kumara, N. Jayasena, J. Soltis, and S. de Silva. (2018) Wild Sri Lankan elephants (*Elephas maximus*) retreat from the sound of disturbed Asian honey bees (*Apis cerana indica*). *Current Biology* 28:R64-R65.

S. A. Pardo and **M. A. Pardo**. (2018) Statistical methods for field and laboratory studies in behavioral ecology. CRC Press, Boca Raton, FL 308p.

M. A. Pardo, S. A. Pardo, and W. M. Shields. (2014) Eastern gray squirrels (*Sciurus carolinensis*) communicate with the positions of their tails in an agonistic context. *American Midland Naturalist* 172:360-366.

CONFERENCE PRESENTATIONS AND INVITED TALKS

M. A. Pardo, E. L. Walters, and W. D. Koenig. Social cognition in the acorn woodpecker. Invited talk at University of Vienna, 2019, KLF Grünau, Austria.

M. A. Pardo, E. L. Walters, and W. D. Koenig. Long-term vocal recognition in the acorn woodpecker. Oral presentation at the 17th Congress of the International Society for Behavioral Ecology, 2018, Minneapolis, MN

M. A. Pardo, E. L. Walters, and W. D. Koenig. Social cognition in the acorn woodpecker (presented in Spanish). Invited talk at Universidad CES, 2018, Medellín, Colombia

M. A. Pardo, E. L. Walters, and W. D. Koenig. A social bird knows the group membership of outsiders. Oral presentation at the 16th Congress of the International Society for Behavioral Ecology, 2016, Exeter, UK

M. A. Pardo, E. L. Walters, and W. D. Koenig. One syllable, many calls: combinatorial communication in Acorn Woodpeckers? Poster session presented at: Animal Behavior Society, 2015 Jun 11-14, Anchorage, AK

M. A. Pardo and S. de Silva. Preliminary recordings of wild Asian elephant vocalizations in preparation for playback experiments. Poster session presented at: International Elephant and Rhino Conservation and Research Symposium, 2013 Aug 26-30, Pittsburgh, PA

TEACHING EXPERIENCE

- Mapping culture and conservation

Fall 2020

Curriculum Vitae: Michael Pardo

- Designed and taught two modules on human-wildlife conflict and conservation on tribal lands
- First-Year Writing Seminar, Instructor of record Spring 2019
 - “Lying birds and dancing bees: how animals communicate”
- Hormones and Behavior, TA Fall 2018
- Hormones and Behavior, TA Fall 2016
- Introduction to Animal Behavior, TA Fall 2014

GRANTS AND FELLOWSHIPS

- NSF Postdoctoral Research Fellowship in Biology 2019
- Ivy Graduate Fellowship, Cornell Lab of Ornithology 2017
- NSF Doctoral Dissertation Improvement Grant 2017
- National Geographic Young Explorers Grant 2017
- Charles Walcott Graduate Fellowship, Cornell Lab of Ornithology 2017
- Athena Fund, Cornell Lab of Ornithology 2016
- Eleanore Stuart Graduate Fellowship, Cornell Lab of Ornithology 2015
- Animal Behavior Society Student Research Grant 2014
- American Society of Mammalogists Student Research Grant 2014
- Sigma Xi Grant-in-Aid-of-Research 2014
- Athena Fund, Cornell Lab of Ornithology 2013
- NSF Graduate Research Fellowship (GRFP) 2013
- Athena Fund, Cornell Lab of Ornithology 2012

SCIENTIFIC OUTREACH ACTIVITIES

- Mentor in EEB mentor match program, to help underrepresented minority and women students apply to graduate school in ecology and evolutionary biology (Summer 2020-present)
- Designed and taught mini course on animal communication to teach to 4th grade students in Spring 2019 as part of Cornell GRASSHOPR program
- Helped teach workshop on ornithology to teach to 7th-9th grade girls in Spring 2019 as part of Expanding Your Horizons program at Cornell
- Mist-netting demonstration and presentation to undergraduates of underprivileged backgrounds from UC Berkeley (May 2018)
- Mist-netting demonstration and presentation for high school students from underprivileged backgrounds through California Academy of Sciences (Spring 2017)
- Presentation to undergraduate class from University of Chicago visiting Hastings Reserve (Spring 2017)
- Presentation about STEM career paths to high school students from underprivileged backgrounds through California Academy of Sciences (Spring 2016)
- Mist-netting demonstration and presentation for high school students from underprivileged backgrounds through California Academy of Sciences (Spring 2015)

Curriculum Vitae: Michael Pardo

- Presentation to undergraduate class from University of Chicago visiting Hastings Reserve (Spring 2015)
- Presentation to group of local schoolchildren and national park staff in Udawalawa, Sri Lanka (Spring 2014)
- Wrote blog posts about fieldwork with Asian elephants for maximus.trunksnleaves.org blog (December 2012 through May 2019)