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GERMÁN ANDRÉS FORERO MEDINA

PERSONAL INFORMATION

1. Nationality: Colombian
2. Place and date of birth: Bogotá, D.C., December 10/1979

EDUCATION

Graduate Studies

Third Year student - (PhD Candidate)
PhD Conservation Ecology
Duke University, Durham, NC, USA
Fulbright-Colciencias-DNP Scholarship

MSc. Ecology (2005 – 2007)

Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil

Thesis: "Perceptual range of small marsupials from the Atlantic Forest, Brazil, and implications for the functional connectivity of a fragmented landscape"

CAPES Scholarship

Undergraduate Studies

BS, Biology (1998-2003).

UNIVERSIDAD NACIONAL DE COLOMBIA

Undergraduate Research: "Abundandce, population structure, and natural history of the swanka turtle *Kinosternon scorpioides albogulare* on San Andrés Island, Colombia."

Scholarship - Best high school students in Colombia

Other Courses

Certificate in Geospatial Analysis. Duke University. 2011.

"Field Course: Ecology of the Pantanal" Fundação Universidade Federal de Mato Grosso do Sul (September 8 – October 8, 2005, Campo Grande, MS, Brazil).

"Arc-view applied to natural elements" (April 2003, Universidad Nacional de Colombia, Department of Biology).

"Techniques for the research and conservation of freshwater turtles" (September 22-30, 2000, Mamirauá, Brazil).

"Advanced Open Water Diving Course" (August 8 2002, Instructor Juan Camilo Martinez Vanzella – Padi Diver Number 0203522118).

PROFESSIONAL EXPERIENCE

Instructor. Course: Tropical Ecology, Env.217. Duke University, Durham, NC, USA. (January – May 2010).

Teaching Assistant. Course: Conservation Biology, Theory and Practice. Env. 203. Instructor: Dr. Stuart Pimm. Duke University, Durham, NC, USA. (August – December 2009).

Teaching Assistant. Course: Conserving the variety of life. Env. 103D. Instructor: Dr. Stuart Pimm. Duke University, Durham, NC, USA. (August – December 2009).

Teaching Assistant. Course: Summer Ecosystem Experience for undergraduates, SEE-U, Punta Cana, Dominican Republic. Instructor: Mandy Karnauskas. Center for Environmental Research and Conservation. Columbia University, New York, NY, USA. (May – July 2009).

Principal Investigator, Project: "Natural history, movement patterns and conservation of the endemic Dahl's toad-headed turtle *Mesoclemmys dahli* in Colombia". Fundación Caipora. Bogota, Colombia. (January 2008 – June 2009).

Ocasional Professor of Ecology, Universidad Nacional de Colombia, Sede Orinoquia. (August - December 2007).

Research Assistant Project: "Small mammals of the Serra dos Orgaos National Park, Rio de Janeiro, Brazil". Laboratorio de Vertebrados, Universidade Federal do Rio de Janeiro (February 2005-February 2007).

Science Teacher. Gimnasio Campestre School, Bogotá, Colombia. (August – December 2004).

Environmental Education Research: "The swanka turtle, mangrove forests and swamps, an environmental education campaign in San Andrés Island" (August-December 2003). Fundación Caipora

and UNIVERSIDAD NACIONAL DE COLOMBIA, INSTITUTO DE INVESTIGACIÓN EN EDUCACIÓN. Funded by: "Rufford Small Grants", The Rufford Maurice Laing Foundation.

Internship: "Ecology of *Caiman crocodilus* on San Andrés Island, Colombia: a preliminary study" (2002). Universidad Nacional de Colombia, Sede San Andrés Isla.

Curator assistant. Instituto de Ciencias Naturales, Universidad Nacional de Colombia. Laboratory of Reptiles (2001 –2003)

RESEARCH INTERESTS

- Conservation Biology
- Tropical Ecology
- Landscape Ecology & GIS
- Animal responses to climate change
- Effects of human activities on natural ecosystems in the tropics
- Environmental education

SCIENTIFIC PRODUCTION

Journal Articles Published

1. **Forero-Medina, G.**, Joppa, L. & Pimm, S. 2011. Thermal tolerance, range expansion, and status of tropical amphibians: reply to Catenazzi. *Conservation Biology*, *in press*.
2. Prevedello, J.A., **Forero-Medina, G.**, & Vieira, M. V. 2011. Does land use affect perceptual range? Evidence from two marsupials of the Atlantic Forest. *Journal of Zoology* (in press)1:7.
3. **Forero-Medina, G.**, Joppa, L. & Pimm, S. 2010. Constraints to species' elevational range shifts as climate changes. *Conservation Biology* 25(1):163-171.
4. **Forero-Medina, G.** & Joppa, L. 2010. Representation of Global and National Conservation Priorities by Colombia's Protected Area Network. *PLoS ONE* 5(10): e13210. doi:10.1371/journal.pone.0013210.
5. Almeida, P.J., Vieira, M.V., Kajin, M., **Forero-Medina, G.** & Cerqueira, R. 2010. Indices of movement behavior: conceptual background, effects of scale and location errors. *Zoologia* 27(5):674-680.
6. Prevedello, J.A., **Forero-Medina, G.**, & Vieira, M. V. 2010. Movement behavior within and beyond perceptual ranges in three small mammals: effects of matrix type and body mass. *Journal of Animal Ecology*.
7. **Forero-Medina, G.**, Vieira, M. V., Grelle, C. E. & Almeida, P. J. 2009. Body Size and extinction risk on Brazilian carnivores. *Biota Neotropica* 9(2):45-49.

8. **Forero-Medina, G.** & Vieira, M. V. 2009. Perception of a fragmented landscape by neotropical marsupials: effects of body mass and environmental variables. *Journal of Tropical Ecology* 25:53-62.
9. Medina-Rangel, G. F. & **Forero-Medina, G.** 2008. *Mesoclemmys dahli* (Dahl's toad headed turtle). *Herpetological Review* 39(3):366.
10. **Forero-Medina, G.**, Castaño-Mora, O. V. & O. Montenegro. 2007. Abundance, population structure, and conservation of *Kinosternon scorpioides albogulare* on the Caribbean island of San Andrés, Colombia. *Chelonian Conservation and Biology* 6(2):163-169.
11. **Forero-Medina, G.** & Vieira, M. V. 2007. Conectividade funcional e a importância da interação organismo-paisagem. *Oecologia Brasiliensis* 11(4):493-502.
12. **Forero-Medina, G.** & Vieira, M.V. 2007. Método para estimar a capacidade perceptual e mecanismos de orientação em pequenos mamíferos. *Bol. Soc. Brasil. Mastozool.* 49:1-3.
13. **Forero-Medina, G.**, Castaño-Mora, O. V. & M. Rodríguez-Melo. 2006. Ecología de *Caiman crocodilus* en la isla de San Andrés, Colombia: estudio preliminar. *Caldasia* 28(1):115-124.
14. **Forero-Medina, G.** & Mahecha, A. M. 2006. Una estrategia de conservación en San Andrés Isla: proyectos escolares y valores en la educación ambiental. *Gestión y Ambiente* 9(3):115-127.
15. **Forero-Medina, G.** & Castaño-Mora, O. V. 2006. *KINOSTERNON SCORPIOIDES ALBOGULARE* (White-throated Mud Turtle). Feeding behavior and diet. *Herpetological Review* 37(4):458-459.

In Review / Submitted

1. **Forero-Medina, G.**, Cárdenas-Arévalo, G. & Castaño-Mora, O. V. Habitat distribution of Dahl's toad headed turtle (*Mesoclemmys dahli*): determinants at different scales. *Herpetological Conservation and Biology*.
2. **Forero-Medina, G.**, Cárdenas-Arévalo, G. & Castaño-Mora, O. V. Abundance, home range, and movement patterns of the endemic species Dahl's toad-headed turtle (*Mesoclemmys dahli*) in Cesar, Colombia. *Chelonian Conservation and Biology*.
3. **Forero-Medina, G.**, Terborgh, J., Socolar, S.J. & Pimm, Stuart L. Elevational preferences of birds on a tropical montane gradient lag behind warming temperatures.

Book Chapters

1. Castaño, O. V. & **G. Forero** 2002. *K. scorpioides albogulare*. Pp. 107-108 En: Castaño-Mora, O. V. (Ed.). 2002. Libro rojo de reptiles de Colombia. Libros rojos de especies amenazadas de Colombia. Instituto de Ciencias Naturales-Universidad Nacional de Colombia, Ministerio del Medio Ambiente, Conservación Internacional-Colombia. Bogotá, Colombia.

Newspapers/Magazines

1. Forero-Medina, German. Áreas des-protegidas de Colombia. UN Periodico No. 140, Diciembre de 20010.

PARTICIPATION IN SCIENTIFIC MEETINGS

Participation

1. "THE THEORY OF ISLAND BIOGEOGRAPHY AT 40, IMPACTS AND PROSPECTS" (October 5, 6 of 2007, HARVARD UNIVERSITY, BOSTON, MA, USA)
2. 1º CONGRESO COLOMBIANO DE ZOOLOGÍA (May 8 -12 of 2000, Bogota, Colombia)
3. 2º ENCUENTRO CIENTÍFICO DE ESTUDIANTES DE BIOLOGÍA (October 19-21 of 2000, Bogota, Colombia)
4. 1º ENCUENTRO CIENTÍFICO DE ESTUDIANTES DE BIOLOGÍA (October 21-22 of 1999, Bogota, Colombia)

Posters presented

1. **Forero-Medina, G.**, Joppa, L. & S. L. Pimm. Temperature traps and landscape characteristics constrain elevation range shifts due to climate change. Student Conference on Conservation Science. (Cambridge, UK, March 23-25, 2010).
2. **Forero-Medina, G.** & Joppa, L. Áreas protegidas de Colombia: representatividad de prioridades globales y nacionales de conservación. I Congreso Nacional de Áreas Protegidas. (Bogotá, October 27 - 29, 2009).
3. Joppa, L. & **Forero-Medina, G.** Sistema de Áreas Protegidas de Colombia: Representatividad de las condiciones biofísicas del país. I Congreso Nacional de Areas Protegidas. (Bogotá, October 27 - 29, 2009).
4. Bianchi, R.C; Dutra, PFF; Lima, TN; **Forero-Medina, G**; Benato, T; Mourão, GM. Arquitetura das tocas e itens estocados por *Clyomys laticeps* na Fazenda Rio Negro, Pantanal da Nhecolândia, MS. XVI CONGRESSO BRASILEIRO DE ZOOLOGIA (Londrina SP, February 12-17 2006).
5. Giraldeili, G. R.; Dutra, P. F.; **Forero-Medina, G.**; Frison, S.; Bianchi, R. C. Dieta de *Cerdocyon thous* na Fazenda Rio Negro, Pantanal da Nhecolândia, MS. XVI Congresso Brasileiro de Zoologia (Londrina SP, February 12-17 2006).
6. **Forero-Medina, G.** & Vieira, M. V. Capacidade perceptual de *Didelphis aurita* e *Philander frenatus* (Marsupialia: Didelphimorphia) em fragmentos florestais da Mata Atlântica. I Congresso Sudamericano de Mastozoologia. (Gramado RS, October 5-8, 2006).
7. **Forero-Medina, G.**; Vieira, M. V.; Grelle, C. E. & Almeida, P. J. Tamanho do corpo como fator de ameaça em carnívoros

- brasileiros. I Congresso Sudamericano de Mastozoologia. (Gramado RS, October 5-8, 2006).
8. Kajin, M.; **Forero-Medina, G.**; Zangrandi Lóra, P.; Vieira, M.V. & Cerqueira, R. Sobrevivência de *Didelphis aurita* (Marsupialia: Didelphimorphia) dependente da abundância. I Congresso Sudamericano de Mastozoologia. (Gramado RS, October 5-8, 2006).
 9. **Forero-Medina, G.**; Almeida, P. J.; Vieira, M. V. Capacidade perceptual de pequenos mamíferos em uma paisagem fragmentada da Mata Atlântica – resultados preliminares. III CONGRESSO BRASILEIRO DE MASTOZOOLOGIA (Aracruz ES, October 12-16, 2005).
 10. Mahecha-Groot, A.M., **Forero, G. A.** & S.J. Alvarez. “La tortuga swanka, lagunas y manglares, una campaña de educación ambiental en San Andrés Isla, Colombia.”. VI CONGRESO INTERNACIONAL SOBRE MANEJO DE FAUNA SILVESTRE EN LA AMAZONIA Y LATINOAMÉRICA: LECCIONES APRENDIDAS. (Iquitos, Perú, September 5-10, 2004).

ORAL PRESENTATIONS & SYMPOSIUMS

1. Pimm, S. L. & **Forero-Medina, G.** 2009. Biodiversity in the Andean highlands. International Forum on Biodiversity and Climate Change. (Bogota, November 5,6 of 2009).
2. Vieira, M.V., Prevedello, J.A. and **Forero-Medina, G.** 2009. The dynamics of perceptual range in four neotropical marsupials: effects of body size, matrix type, and environmental conditions. Landscape Ecology in Latin America: Challenges and Perspectives. (Campos do Jordão, São Paulo State, Brazil, October 4 - 7, 2009).
3. **Forero-Medina, G.** 2003. Abundance, population structure and conservation of *Kinosternon scorpioides albogulare* in San Andrés Island, Colombia. Joint Meeting of Ichthyologists and Herpetologists" (Manaus, Brazil, June 26- July 1 of 2003).

REVIEWER FOR SCIENTIFIC JOURNALS

Journal of Herpetology, USA. 2008.

Revista de Biología Marina y Oceanografía, Chile. 2008.

PROFESSIONAL AFFILIATIONS

GRUPO DE BIODIVERSIDAD Y CONSERVACIÓN, INSTITUTO DE CIENCIAS NATURALES, UNIVERSIDAD NACIONAL DE COLOMBIA

ASOCIACIÓN LATINOAMERICANA DE CONSERVACIÓN Y MANEJO DE VIDA SILVESTRE

ASSOCIATION OF TROPICAL BIOLOGY AND CONSERVATION (ATBC)

RESEARCH GRANTS RECEIVED

1. TURTLE SURVIVAL ALLIANCE (TSA)
Research Grant, project: Distribution and Conservation status of the endemic species Dunn's mud turtle (*Kinosternon dunnii*) in Colombia. 2011.
2. PEOPLE'S TRUST FOR ENDANGERED SPECIES
Conservation grant for the project: Natural history, movement patterns and conservation of the endemic Dahl's toad-headed turtle *Mesoclemmys dahli* in Colombia. 2008.
3. CONSERVATION INTERNATIONAL
Conservation grant for the project: Natural history, movement patterns and conservation of the endemic Dahl's toad-headed turtle *Mesoclemmys dahli* in Colombia. 2008.
4. TURTLE CONSERVATION FUND
Conservation grant for the project: Natural history, movement patterns and conservation of the endemic Dahl's toad-headed turtle *Mesoclemmys dahli* in Colombia. 2008.
5. RUFFORD SMALL GRANTS, THE RUFFORD MAURICE LAING FOUNDATION
Environmental Education reserach: "La tortuga swanka, lagunas y manglares, una campaña de educación ambiental en San Andrés" (August-December 2003).
6. INSTITUTO ALEXANDER VON HUMBOLDT SMALL GRANT FOR THE CONSERVATION OF THREATENED SPECIES. Undergraduate research on the ecology of *Kinosternon scorioides albogulare* in San Andrés Island, Colombia (March - August 2002)

LANGUAGES

- | | |
|---------------|--------|
| 1. Spanish | Native |
| 2. Portuguese | Fluent |
| 3. English | Fluent |