

CURRICULUM VITAE
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DANIEL GONZALEZ-SOCOLOSKE

University Program in Ecology
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EDUCATION

- 2007-present Duke University, Durham, NC
Ph.D. in Ecology GPA 3.8
Dissertation: *Foraging Ecology of Antillean Manatees in the Wetlands of Tabasco, Mexico*;
advisor: Dr. Kenneth A. Glander
- 2007 Loma Linda University, Loma Linda, CA
M.S. Biology GPA 3.9
Thesis: *Status and Distribution of Manatees in Honduras and the Use of Side-scan Sonar*; advisor: Dr. Robert E. Ford
- 2006 Loma Linda University, Loma Linda, CA
Graduate Certificate in GIS (24cr.) GPA 3.9
- 2003 Andrews University, Berrien Springs, MI
B.S. Biology, Minor: Photography GPA 3.42
Senior Project: *Detection of a Hibernation Mark in the Incisor of Ground Squirrels (Spermophilus spp)*; advisor: Dr. H. Thomas Goodwin

RESEARCH INTERESTS

- * Behavioral plasticity, dietary diversity, and habitat use of sirenians
- * Survival strategies of sirenians, particularly in complicated habitats
- * The use of technology (i.e. GIS, Sonar, GPS collars) for management, conservation and behavioral studies
- * Conservation of tropical mammals

PUBLICATIONS (refereed)

Aragones LV, LaCommare K, Kendall S, Castelblanco-Martinez DN, **Gonzalez-Socoloske D** *in press* Boat and land-based surveys. *In Sirenian Conservation: Issues and Strategies in Developing Countries*. Hines E, Reynolds III J, Aragones LV, Mignucci-Giannoni AA, Marmontel M (eds) Florida University Press.

Gonzalez-Socoloske D, Olivera-Gomez LD, Ford RE 2009 Detection of free-ranging West Indian manatees *Trichechus manatus* using side-scan sonar. *Endangered Species Research* 8:249-257.

Gonzalez-Socoloske D, Olivera-Gomez LD, Quintana-Rizzo E 2007 Primer Simposio para la Biología y Conservación del manatí Antillano (*Trichechus manatus manatus*) en Mesoamerica. *Mesoamericana* 11(1): 1-9.

Goodwin HT, Michener GR, **Gonzalez D**, Rinaldi CE 2005 Hibernation is recorded in lower incisors of recent and fossil ground squirrel (*Spermophilus*). *Journal of Mammalogy* 86(2): 323-332.

Goodwin HT and **Gonzalez D** 2001 Hibernation in a Pleistocene ground squirrel (*Spermophilus*)? *Current Research in the Pleistocene* 19:99-101.

PUBLICATIONS (non-refereed)

Gonzalez-Socoloske D 2007 Status and Distribution of Manatees in Honduras and the Use of Side-scan Sonar. MS thesis. Loma Linda University Loma Linda, CA. 91 pp.

Gonzalez-Socoloske D 2007 The Manatee Project in Honduras with ESSE 21. Vignette *In Design Guide for Undergraduate Earth System Science Education. NASA/USRA Earth Systems Science Education for the 21st Century Program*. Published Online www.essedesignguide.org. 2 pp.

Gonzalez-Socoloske D 2007 Report from the Mesoamerican Manatee Symposium *In* Powell J and Taylor C (eds) *Sirennews* Newsletter of the IUCN/SSC Sirenia Specialist Group. 47:6-7

Gonzalez-Socoloske D 2007 Finding the Elusive Manatees of Honduras. *LightHawk Newsletter*. Winter 2006-2007:1-2.

Gonzalez-Socoloske D, Flores SR, Taylor CR, Ford RE 2006 Distribution, habitat usage, and relative abundance of Antillean Manatee (*Trichechus manatus manatus*) on the north coast of Honduras. *USAID Honduras Integrated Watershed Resources Management*. Final Report 23 pp.

Gonzalez-Socoloske D 2006 Status and distribution of Antillean manatee (*Trichechus manatus manatus*) on the north coast of Honduras: Preliminary Report From the Field. *In* Powell J and Taylor C (eds) *Sirennews* Newsletter of the IUCN/SSC Sirenia Specialist Group. 45:18-19

Gonzalez-Socoloske D 2006 The use of side scan sonar to detect and study West Indian Manatee (*Trichechus manatus*). *In* Powell J and Taylor C (eds) *Sirennews* Newsletter of the IUCN/SSC Sirenia Specialist Group. 45:19-21

RESEARCH GRANTS

- 2009 **Mohammed bin Zayed Species Conservation Grant**, (Co-PI with Dr. KA Glander as PI and Dr. LD Olivera-Gomez as co-PI) - \$15,000
- 2008 **Conservation International, Primate Action Fund**, (PI/PD with Dr. KA Glander as collaborator) - \$3000
- 2008 **United States Agency for International Development (USAID), Critical Central American Watersheds (CCAW)**, (Co-PI, with K. Ruiz as co-PI and PD, and Dr. LD Olivera-Gomez and J Reid as collaborators) - \$13,000
- 2006 **Sirenian International Small Grants Program**, (PI/PD, with Dr. LD Olivera-Gomez and Dr. E Quintana-Rizzo as collaborators) - \$500
- 2006 **Red Ecologista Hondureña para el Desarrollo Sostenible** (Honduran NGO), (PI, with SR Flores and GA Cruz as Co-PDs) - \$2,000
- 2005 **United States Agency for International Development (USAID)/ Manejo Integrado de Recursos Ambientales (MIRA)**, (PI, with Dr. RE Ford as PD, and C Taylor and SR Flores as collaborators) - \$9,200
- 2000-01 **McGregor Undergraduate Research Grant**, Dept. of Biology, Andrews University. (Co-PI, with Dr. HT Goodwin as Co-PI) (x2) - \$2,000
- 1999 **McGregor Undergraduate Research Grant**, Dept. of Biology, Andrews University. (Co-PI, with Dr. DA Steen as Co-PI) - \$1,000

SCHOLARSHIPS AND AWARDS

- 2009 **Student Travel Award**, Society of Marine Mammalogy - \$500
 2009 **Mellon Conference Travel Award**, Duke University - \$500
 2009 **The National Academies Ford Foundation Diversity Fellowship** - Honorable mention
 2008 **Latin American Studies Conference Travel Award**, Duke University - \$500
 2008 **Latin American Studies Research Travel Award**, Duke University - \$1,100
 2008 **The National Academies Ford Foundation Diversity Fellowship** - Honorable mention
 2007 **Duke University Graduate Study Stipend** - \$18,000/yr for up to 5 yrs + full graduate tuition
 2006-07 **Earl Lathrop Award** (for excellence in scientific presentation), Loma Linda University (x2)
 2006-07 **Selma Andrews Travel Award**, Loma Linda University (x2) - \$1,600
 2006 **Biological Science Travel Award**, Loma Linda University - \$300
 2005-06 **National Deans List**
 2005 **Jaeger Book Award** (for excellence in the field of Biology), Loma Linda University - \$100
 2004 **Loma Linda University Graduate Study Stipend** - \$6,000/yr for 3 yrs + full graduate tuition
 2001 **Lynda Hirsch Scholarship**, Andrews University - \$300
 2000 **Robson E. and Isabel A. Endowed Scholarship**, Andrews University - \$300
 1999-00 **National Hispanic Scholarship** (x2) - \$5,000

PRESENTATIONS

- Gonzalez-Socoloske D**, Olivera-Gomez LD, 2009 Detection of West Indian Manatees (*Trichechus manatus*) in turbid waterways with side-scan sonar. 18th Biennial Conference on the Biology of Marine Mammals. October 12-16. Quebec City, Canada.
- Olivera-Gomez LD, Jimenez-Dominguez D, **Gonzalez-Socoloske D** 2009 Exploring the use of side-scan sonar to detect Antillean manatees (*Trichechus manatus manatus*) in low visibility freshwater systems. 18th Biennial Conference on the Biology of Marine Mammals. October 12-16. Quebec City, Canada.
- Gonzalez-Socoloske D**, Reid J, Olivera-Gomez LD, Ruiz K 2008 Preliminary assessment of movement patterns by Antillean manatees (*Trichechus manatus manatus*) in western Panama. XIII Reunion de Trabajo de Especialistas en Mamiferos Acuaticos de America del Sur y 7^o Congreso SOLAMAC. October 13-17. Montevideo, Uruguay.
- Olivera-Gomez LD, Jimenez-Dominguez D, **Gonzalez-Socoloske D** 2008 Uso del sonar de barrido lateral de imagenes para la deteccion del manati Antillano en sistemas acuaticos con baja visibilidad. XIII Reunion de Trabajo de Especialistas en Mamiferos Acuaticos de America del Sur y 7^o Congreso SOLAMAC. October 13-17. Montevideo, Uruguay.
- Gonzalez-Socoloske D** 2007 El uso del sonar lateral para detectar y estudiar el manati del Caribe (*Trichechus manatus*) en aguas turbias y estuarios: implicaciones para conservacion. First Tri-national (Nicaragua, Costa Rica, and Panama) Workshop for the Strategy of Manatee Conservation. Tortuguero, Costa Rica. **Invited Lecture.**
- Gonzalez-Socoloske D**, Olivera-Gomez LD, Quinatana-Rizzo E 2006 El 1er simposio para la biologia y conservacion del manati antillano (*Trichechus manatus manatus*) en Mesoamerica. X Congreso de la Sociedad Mesoamericana para la Biologia y la Conservacion. November 1-2. Antigua, Guatemala.
- Gonzalez-Socoloske D**, Taylor CR, Flores S, Cruz GA, Ford RE 2006 Estado actual del manati Antillano (*Trichechus manatus manatus*) en Honduras. X Congreso de la Sociedad Mesoamericana para la Biologia y la Conservacion. November 1-2. Antigua, Guatemala.

- Gonzalez-Socoloske D**, Ford RE, Olivera-Gomez LD, Bonde RK 2006. El uso del sonar lateral (side-scan) para detectar y estudiar el manatí (*Trichechus manatus*) en cuerpos de agua turbia y estuarios: implicaciones para otra fauna acuática. X Congreso de la Sociedad Mesoamericana para la Biología y la Conservación. November 1-2. Antigua, Guatemala.
- Olivera-Gomez, LD, Jimenez-Dominguez D, Jorge-Vargas S, **Gonzalez-Socoloske D** 2006 Telemetría y técnicas acústicas para el monitoreo de manatíes en ambientes fluviolagunares en el sureste de México. X Congreso de la Sociedad Mesoamericana para la Biología y la Conservación. November 1-2. Antigua, Guatemala.
- Gonzalez-Socoloske D**, Bacchus, M-LC, Ford RE 2005 The Use of Side Imaging Sonar to Study Manatees in Cuero y Salado Wildlife Refuge, Honduras. XVI Biennial Conference on the Biology of Marine Mammals. December 12-16. San Diego, CA.
- Gonzalez-Socoloske D**, Ford RE, Cruz GA, Bacchus, M-LC, Dunbar SG 2005 Nuevas Observaciones de Manatí Antillano, *Trichechus manatus manatus*, en la Costa Norte de Honduras. IX Congreso de la Sociedad Mesoamericana para la Biología y la Conservación. November 21-25. La Cieba, Honduras.
- Gonzalez-Socoloske D** and Goodwin HT 2001 Preliminary taphonomic and life history interpretations of incremental dentin in middle Pleistocene *Spermophilus elegans* (Wyoming ground squirrel). 61st Annual Meeting of the Society of Vertebrate Paleontology. October 3-4. Bozeman, Montana.
- Goodwin HT, **Gonzalez-Socoloske D**, Rinaldi CE, Michener GR 2001 A record of hibernation in lower incisors of middle Pleistocene and modern *Spermophilus* (ground squirrels). 61st Annual Meeting of the Society of Vertebrate Paleontology. October 3-4. Bozeman, Montana.

TEACHING EXPERIENCE

Teaching Assistant (Duke University):

- 2007 Fall Fundamentals of GIS (graduate level)
2008 Spring Primate Sexuality; Primate Field Biology
2008 Fall Primate Ecology

Teaching (Duke University):

- 2009 Spring Intro. to Biological Anthropology Lab
2009 Fall Intro. to Biological Anthropology Lab
2010 Spring Intro. to Evolutionary Anthropology Discussion

PROFESSIONAL SERVICE & AFFILIATIONS

- 2006-present **Founding Member and Representative of Honduras**, Mesoamerican Manatee Research Work Group
2006 **Primary Organizer**, First Symposium for the Biology and Conservation of the Antillean Manatees in Mesoamerica (SMBC - Antigua, Guatemala)
2005-present **Student Member**, Mesoamerican Society for Biology and Conservation (SMBC)
2005-present **Student Member**, Society of Marine Mammalogy (SMM)
2004-present **Student Member**, American Society of Mammalogy (ASM)
2000 **Member**, βββ Honors Biological Society

LANGUAGES

ENGLISH (native); SPANISH (native)