

JUAN DIEGO DAZA, CURRICULUM VITAE
Postdoctoral Fellow, Sam Houston State University
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ACADEMIC ADDRESS

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BORN April 21, 1975. Tuluá, Valle del Cauca, Colombia.

EDUCATION

Ph. D. University of Puerto Rico Intercampus Doctoral Program. Dissertation Title: Cladistic analysis of the Gekkota (Reptilia) by means of craniological data. 2008. Advisor: Dr. Richard Thomas.

M. Sc. University of Puerto Rico (San Juan, PR, USA). Thesis Title: The skull of the gecko *Sphaerodactylus roosevelti* (Reptilia: Squamata). 2005. Advisor: Dr. Richard Thomas.

B.Sc. Universidad del Valle, Biology (Cali, Colombia). Thesis Title: Food habits of the bullfrog in the Valle del Cauca [in Spanish]. 1999. Advisor: Dr. Fernando Castro.

TEACHING EXPERIENCE

Sam Houston State University, Department of Biological Sciences, Huntsville USA. Instructor of Human Anatomy (BIO–245). August 2013–Present. Enrolled Students: 150. Duties and responsibilities: Lecture, grading, coordinate lab sessions, design virtual lab sessions (based on images from human cadavers), assisting students in laboratory sessions, assisting students during office hours.

Villanova University, Department of Biology, Villanova USA. Instructor of Evolution (BIO – 4305–001). January 2013 through May 2013. Enrolled Students: 30. Duties and responsibilities: Lecture, grading, lab session design, assisting students in laboratory sessions, assisting students during office hours.

Villanova University, Department of Biology, Villanova USA. Instructor of Advanced Topics: Herpetology (BIO–7980). January 2013 through May 2013, Enrolled Students: 10. Duties and responsibilities: Lecture, grading, lab session design, assisting students in laboratory sessions, assisting students during office hours.

Universidad Nacional de Tucumán, San Miguel de Tucumán, Argentina. Herpetology Instructor. May 2010 through August 2010. Enrolled Students: 10. Duties and responsibilities: Lecture, grading, lab session design, assisting students in laboratory sessions, assisting students during office hours.

University of Puerto Rico, San Juan, Puerto Rico, Department of Biology. Graduate Student Instructor. Zoology (BIOL–3420). January 2001 through September 2008. Enrolled Students: 60. Duties and responsibilities: Lecture, tests design, grading, lab session design, assisting students in laboratory sessions, preparing study guides, assisting students during field work, assisting students during office hours.

University of Puerto Rico, San Juan, Puerto Rico, Department of Biology. Graduate Student Instructor. Herpetology (BIOL–4455). January 2003 through May 2003. Enrolled Students: 15. Duties and responsibilities: Lecture, tests design, grading, lab session design, assisting students in laboratory sessions, preparing study guides, assisting students during field work, assisting students during office hours.

Instituto Julia Restrepo and Normal Central, Tuluá, Colombia. Biology and Chemistry teacher (High school level). January 2001 through December 2002. Enrolled Students: 200. Duties and responsibilities: Lecture, design tests, grading, lab session design, assisting students in laboratory sessions, student counseling, assisting students during office hours, meeting with parents to discuss student progress.

FELLOWSHIPS AND GRANTS

CONICET, Argentina, Postdoctoral Fellowship. 2009 – 2011.

University of Puerto Rico, Fondo de Becas, DEGI Torneo de Golf. 2007 – 2008.

University of Puerto Rico, Dissertation, Thesis or equivalent project DEGI Fellowship. 2004 – 2005.

University of Puerto Rico, Summer Research Fellowship for biogeography project on Plant endemism in the flora of Puerto Rico (Summer research project). 2004–2005.

PROFESSIONAL APPOINTMENTS

Sam Houston State University, Department of Biological Sciences, Hunstville TX, USA. August 2013– May 2015. Visitor Professor Fellow.

Villanova University, Department of Biology, Villanova PA, USA. January 2011 – August 2013. Postdoctoral Fellow.

CONICET, Instituto Miguel Lillo, San Miguel de Tucumán, Tucumán, Argentina. April 2009 – December 2010. Postdoctoral fellow.

University of Puerto Rico, San Juan, Puerto Rico, Department of Biology. August 2005 – May 2006. Field herpetologist, *Eleutherodactylus* populations-monitoring project, working under the direction of Dr. Rafael Joglar and Dr. Patricia Burrowes.

MUSEUM AND UNIVERSITY AFFILIATIONS

United States National Museum of Natural History (Smithsonian Institution), Washington, DC, USA. November 2009 – present. Research collaborator.

Zoology Museum, University of Puerto Rico, San Juan, Puerto Rico. January 2001 – September 2008. Collection Assistant.

Museo de Zoología, Universidad del Valle, Cali, Valle del Cauca, Colombia. January 1998 – December 1998: Collection assistant.

ACTIVE RESEARCH INTERESTS

Anatomy and systematics of living and extinct reptiles (focus on gekkotans, iguanians, gymnophthalmids, amphisbaenians, and turtles).

Morphology, paleontology, phenotypic and genotypic evolution, phylogenetic theory, evolutionary theory, evolutionary bioinformatics and computational phylogenetics.

WORKSHOPS ATTENDED

Universidad Nacional de la Plata, La Plata, Argentina. Systematics and evolution of sauropod dinosaurs. Instructor Leonardo Salgado. November 11–15, 2002.

Universidad Nacional de Tucumán, San Miguel de Tucumán, Argentina. Cladistics: Quantitative methods. Instructor Pablo A. Goloboff. August 16–20, 2010.

The University of Texas at Austin, Jackson School of Geosciences, Austin TX, USA. Basics of CT data acquisition, visualization and analysis. August 15–16, 2011.

RESEARCH EXPERIENCE

American Museum of Natural History (New York, NY), National Museum of Natural History, Smithsonian Institution (Washington, DC), Natural History Museum (London, UK), Instituto de Ciencias Naturales (Bogotá, Colombia). Morphological data gathering for several morphological projects, 2005 – Present.

Natural History Museum of Los Angeles County, Los Angeles CA, United States. Excavation of dinosaurs, including Thomas the T-rex in Hell Creek, Montana. Summer of 2004. Project head: Luis M. Chiappe.

Universidad del Comahue, National Geographic and Museo de Lamarque, Argentina. Digging and prospecting for dinosaur nesting sites in los Bajos de Santa Rosa, Neuquén. Titanosaur Biology Project. Southern Hemisphere Summer 2003. Project head: Leonardo Salgado.

Puerto Rico and satellite islands. Collecting amphibians and reptiles in numerous localities between 2001 – 2013.

Universidad del Valle and Corporación Autónoma Regional del Valle del Cauca (CVC), Colombia. Bullfrog monitoring project. Responsibilities included study of diet and population densities estimation between 1998–1999. Project director: Fernando Castro.

Colombia. Herpetological surveys in numerous localities from the Southwestern areas, including high elevations in the Andes, including Western and Central Mountain Ranges. 1996 – 1999.

AWARDS AND DISTINCTIONS

2008, Golden Key International Honour Society.

2005, Who's Who Among Students in American Universities & Colleges.

2003, Who's Who Among Students in American Universities & Colleges.

WRITTEN AND SPOKEN LANGUAGES

Spanish (native).

English (eloquent).

EDITING AND REVIEWING EXPERIENCE

Guest editor at the Anatomical Record, organizer of a special volume on squamate morphology.

Scholarly peer review in the following journals: Acta Herpetologica, Anatomical Record,

Copeia, International Journal of Zoology, Journal of Evolutionary Biology, PLOS ONE,

Records of the Western Australian Museum, South American Journal of Herpetology, Zootaxa.

PROFESSIONAL AND SOCIETY MEMBERSHIPS

American Society of Ichthyologists and Herpetologists.

Asociación Herpetológica Argentina.

Society for the Study of Amphibians and Reptiles.

Society of Vertebrate Paleontology.

Willi Hennig Society.

PEER-REVIEWED PUBLICATIONS

- Daza JD, Bauer AM, Snively ED. 2014. On the fossil record of the Gekkota. In: Daza JD and Miller S (Editors). New Advances In Morphology and Evolution of Living and Extinct Squamates. Anatomical Record 297: 00–00.
- Heinicke MP, Daza JD, Greenbaum E, Jackman TR, Bauer, AM. 2014. Phylogeny, taxonomy, and biogeography of a circum-Indian Ocean clade of leaf-toed geckos (Reptilia: Gekkota), with a description of two new genera. Systematics and Biodiversity 12: 00–00.
- Daza JD, Bauer AM, Snively ED. 2013. *Gobekko cretacicus* (Reptilia: Squamata) and its bearing on the interpretation of gekkotan affinities. Zoological Journal of the Linnean Society. 167: 430–448.
- Bauer AM, Masroor R, Titus-McQuillan J, Heinicke MP, Daza JD, Jackman TR. 2013. A preliminary phylogeny of the Palearctic naked-toed geckos (Reptilia: Squamata: Gekkonidae) with taxonomic implications. Zootaxa 3599: 301–324.
- Daza JD, Bauer AM, Wagner P, Böhme W. 2012. A reconsideration of *Sphaerodactylus dommeli* Böhme, 1984 (Squamata: Gekkota: Sphaerodactylidae), a Miocene lizard in amber. Journal of Zoological Systematics and Evolutionary Research 51: 55–63.
- Kupriyanov V, Daza JD, Bauer AM, Gaban-Lima R, Rocha-Brito G, Höfling E. 2012. Six species of Amazonian Woodcreepers (Aves: Dendrocolaptidae) preying upon lizards and frogs. Journal of Natural History 46: 2985–2997.
- Daza JD, Bauer AM, Alifanov VL. 2012. A redescription and phylogenetic reinterpretation of lizard *Hoburogekko suchanovi* Alifanov 1989 (Squamata, Gekkota). Journal of Vertebrate Paleontology 32: 1303–1312.
- Daza JD, Bauer AM. 2012. Temporal bones of the Gekkota support molecular relationships within the Pygopodoidea Journal of Herpetology 46: 381–386.
- Daza JD, Abdala V, Arias JS, García López D, Ortiz P. 2012. Cladistic Analysis of Iguania and a Fossil Lizard from the Late Pliocene of Northwestern Argentina Cladistic Analysis of Iguania and a Fossil Lizard from the Late Pliocene of Northwestern Argentina. Journal of Herpetology 46: 104–119.
- Daza JD, Travers SL, Bauer AM. 2012. New records of the mourning gecko *Lepidodactylus lugubris* (Duméril and Bibron, 1836) (Squamata: Gekkonidae) from Colombia. Check List 8: 164–167.
- Daza JD, Aurich J, Bauer AM. 2012. Anatomy of an enigma: an osteological investigation of the Namibian festive gecko (*Narudasia festiva*: Gekkonidae: Gekkota). Acta Zoologica (Stockholm) 93: 465–486.

- Gamble T, Daza JD, Colli GR, Vitt LJ, Bauer AM. 2011. A new genus of miniaturized and pug-nosed gecko from South America (Sphaerodactylidae: Gekkota). *Zoological Journal of the Linnean Society* 163: 1244–1266.
- Daza JD, Bauer AM. 2011. A new amber-embedded sphaerodactyl gecko from Hispaniola, with comments on morphological synapomorphies of the Sphaerodactylidae. *Breviora* 529: 1–28.
- Daza JD, Diogo R, Johnston P, Abdala V. 2011. Jaw adductor muscles across lepidosaurs: A Reappraisal. *The Anatomical Record* 294: 1765–1782.
- Daza JD, Bauer AM. 2010. The circumorbital bones of the Gekkota (Reptilia: Squamata). *The Anatomical Record* 293: 402–413.
- Daza JD, Herrera-Martínez A, Thomas R, Claudio H. 2009. Are you what you eat? A geometric morphometric analysis of gekkotan skull shape. *Biological Journal of the Linnean Society* 97: 677–707.
- Daza JD, Burrowes P, Medina P. 2008. *Eleutherodactylus coqui*, Coqui predation. *Herpetological Review* 39: 459–460.
- Daza JD, Abdala V, Thomas R, Bauer AM. 2008. Skull anatomy of the miniaturized gecko *Sphaerodactylus roosevelti* (Squamata: Gekkota). *Journal of Morphology* 239: 1340–1364.
- Brochu CA, Nieves-Rivera AM, Vélez-Juarbe J, Daza JD, Santos H. 2007. Tertiary Crocodylians from Puerto Rico: Evidence for Late Tertiary Endemic Crocodylians in the West Indies? *Geobios* 40: 51–59.
- Salgado L, García R, Daza JD. 2006. Consideraciones sobre las láminas neurales de los dinosaurios saurópodos y su significado morfofuncional. *Revista del Museo Argentino de Ciencias Naturales* 8: 69–79.
- Duckett CN, Daza JD. 2004. A new Species of Chrysomelid Beetle (*Alagoasa aurora*) From Costa Rica. *The Coleopterist Bulletin* 58: 84–96.
- Daza JD, Castro F. 1999. Hábitos alimenticios de la rana toro (*Rana catesbeiana*) Anura: Ranidae en el Valle del Cauca, Colombia. *Revista de la Academia Colombiana de Ciencias* 23: 265–274.

PUBLICATIONS IN PREPARATION AND SUBMITTED

- Daza JD, Bauer AM. Cranial Anatomy of the Pygopodid Lizard *Aprasia repens*, a Gekkotan Masquerading as a Scolecophidian. Special Volume, collection of papers (In Press).
- Guerra-Fuentes R, Daza JD, Bauer AM. Unique eye development in dwarf geckos (Gekkota: Sphaerodactylinae). *BMC Developmental Biology* (Submitted).
- Urban C, Daza JD, Cadena C, Lewis PJ, Thies M. A name for the innominate bone of *Zygaspis quadrifrons* (Amphisbaenidae, Squamata). *Anatomical Record*. (Submitted).
- Daza JD, Bauer AM. Lizard fauna from Tiga (Tokanod, Loyalty Islands, New Caledonia) inferred from subfossil material. *Pacific Science* (Submitted).
- Padilla L., Thomas R., Gamble T, Herrera A, Daza J. Evolution of *Sphaerodactylus* geckos from the macrolepis complex in Puerto Rico and the Virgin Islands. (In Preparation).
- Gamble T, Daza JD, Thomas R. The hidden diversity of geckos from high elevations of Puerto Rico. (In Preparation).
- Freitas E, Daza JD, Bauer AM. Osteological correlate of orbit size in squamate reptiles. (In Preparation).

- Daza JD, Hanson K., Bauer, AM. Dermal ornamentation of the skull of gekkotans. (In Preparation).
- Mapps A, Daza JD, Lewis PJ. Beyond ancestors, *Gekko gecko* shows more skeletal maturity than expected. (In Preparation).
- Daza JD, Cadena C, Bauer AM, Grimaldi D, Wagner P, Thies M. The oldest skink lizard trapped in amber, testing HRXCT and tridimensional printing methods. (In Preparation).
- Daza JD, Bauer AM, Losos J, Sherratt E, Russell G, Wagner P, Böhme W. Hispaniolan lizard paleocommunity trapped in amber. (In Preparation).
- Daza JD, Lopardo L, Abdala V, Bauer AM. Synapomorphies and symplesiomorphies in geckos from the southern cone of South America: *Garthia* and *Homonota* (Squamata: Gekkota: Phyllodactylidae) revisited. (In Preparation).
- Daza JD, Montero R, Guerra C. Morphological adaptations of the sand-swimmer lizard *Calyptommatus leiolepis* (Squamata: Gymnophthalmidae). (In Preparation).
- Daza JD, Herrera-Martinez A, Vera-Candioti F, Abdala V. Does shape of turtle shell correlates with life style?

CITATION INDICES

Google Scholar Citations, Google Inc., January 5, 2013.

	All	Since 2009
Citations	130	115
h-index	7	6
i10-index	4	4

PRESENTATIONS IN CONFERENCES

- Daza JD, Bauer AM. Cranial morphology of *Aprasia repens*, a minuscule burrowing gekkotan. Joint Meeting of Ichthyologist and Herpetologists, Albuquerque, New Mexico. USA. July 10 – 15, 2013.
- Daza JD, Bauer AM, Snively ED. New data from old geckos: paleontological contributions to the understanding of gekkotan evolution. World Congress of Herpetology, Vancouver, University of British Columbia, Canada. August 8 –14, 2012.
- Daza JD, Nunes PMS Franco-Curcio , F, Bauer AM, Trefaut-Rodrigues M. Milizards: a comparative analysis of the skull in miniaturized lineages within Squamata. IX Congreso Latinoamericano de Herpetología, Curitiba, Brazil. July 17 – 22, 2011.
- Daza JD, Bauer AM. An Amber-embedded sphaerodactyl and the morphological evolution of Sphaerodactylidae. Joint Meeting of Ichthyologist and Herpetologists, Minneapolis, Minnesota, USA. July 6 – 11, 2011.
- Daza JD, Abdala V, Arias JS, García López D, Ortiz P. A fossil lizard (Iguanoidea) from the Upper Pliocene of Northwestern Argentina and New Information about the phylogeny of Iguania. XI Congreso Argentino de Herpetología, Buenos Aires, Argentina. October 19 – 23, 2010.
- Daza JD, Abdala V, Arias JS, García López D, Ortiz P. A fossil lizard (Iguanoidea) from the Upper Pliocene of Argentina. X Congreso Argentino de Paleontología y Biostratigrafía y VII Congreso Latinoamericano de Paleontología, La Plata, Argentina. September 20 – 24, 2010.

- Montero R, Daza JD. A geometric morphometric tale from the Netherworld: The skull patterns within Amphisbaenia (Reptilia: Lepidosauria). 9th Congress of Vertebrate Morphology, Punta del Este, Uruguay. 26 – 31 July, 2010. XI Congreso Argentino de Herpetología, Buenos Aires, Argentina. October 19 – 23, 2010.
- Daza JD, Padilla LF, Thomas R, Gamble T. A phylogeny for the sphaerodactyls from the Puerto Rico Area. Local herpetological meeting honoring Richard Thomas. University of Arecibo, Arecibo, Puerto Rico. May 1, 2008.
- Daza JD, Herrera-Martinez A, Thomas R, Abdala V. Does skull shape support the pygopodids being nested within geckos? Joint Meeting of Ichthyologist and Herpetologists, hosted by the Saint Louis University College of Arts and Sciences and Department of Biology. Saint Louis, Missouri, U.S.A. July 11–16, 2007.
- Daza JD, Santiago-Valentín E. Plant endemism in the flora of Puerto Rico: an assessment of intra-island distributional patterns. 3rd Biennial Conference of IBS, Tenerife, Canary Islands, Spain. January 9–13, 2007.
- Velasco JA, Daza JD. Atracción de ramas largas y la filogenia de los lagartos del género *Anolis*. II Congreso Colombiano de Zoología. Santa Marta, Magdalena, Colombia. November 26 – December 1, 2006.
- Nieves-Rivera AM, Brochu CA, Vélez-Juarbe J, Daza JD, Santos H. Los cocodrilos fósiles de Puerto Rico. I Symposium of Herpetology, Iniciativa Herpetológica, Inc., University of Puerto Rico, Arecibo Campus, Puerto Rico. March 17, 2006.
- Daza JD, Herrera A, Abdala V, Thomas R. Convergent evolution in miniaturized Gekkotan skull. I Symposium of Herpetology, Iniciativa Herpetológica, Inc., University of Puerto Rico, Arecibo Campus, Puerto Rico. March 17, 2006.
- Vélez-Juarbe J, Brochu CA, Nieves-Rivera AM, Daza JD, Santos H. Cocodrilos fósiles de Puerto Rico. Memoirs of the XXIV Symposium on Caribbean Flora and Fauna. University of Puerto Rico, Humacao Campus, Humacao, Puerto Rico. April 22, 2005.
- Daza JD, Abdala V, Thomas R, Herrera-Martínez A. How the sphaerodactylid skull became so small. Memoirs of II Symposium of Graduate Research, Integrating Scales in Biology: A Holistic Approach, University of Puerto Rico, Rio Piedras Campus, San Juan, Puerto Rico. 2005.
- Daza JD, Thomas R. Osteology of the Sphaerodactylus geckos from the Puerto Rico Area. Graduate Research Symposium, the Biology in the New Millennium, University of Puerto Rico, Rio Piedras Campus, San Juan, Puerto Rico. March 14–15, 2003.
- Daza JD, Thomas R. 2002, Systematics of the Sphaerodactylus geckos from the Puerto Rico Area. XVI Reunión de Comunicaciones Herpetológicas, La Plata, Argentina. November 10–12, 2002.

INVITED SEMINARS

- Morphological Diversity of Geckos: Introducing The Good, The Bad and The Ugly. Sam Houston State University, Department of Biological Sciences Seminar Series, Huntsville, TX. November 7, 2011.
- Lizard anatomy in the age of the microprocessors. Coe College, Departmental seminar. Cedar Rapids, IA. February 18, 2013.
- Gekkotan Anatomical Diversity: Presenting The Good, the Bad and the Ugly. Cornell Herpetological Society, Cornell University, Ithaca, NY. November 7, 2011.

A new clade of sphaerodactyl geckos discovered using morphological and molecular data. A second local herpetological meeting honoring Richard Thomas. University of Puerto Rico, Rio Piedras Campus Puerto Rico. June 9, 2009.

WORKSHOPS LECTURED

Universidad del Valle, Cali, Colombia. Five-day workshop on cladistics. Workshop included lecturing on phylogenetic reconstruction methods, taxon sampling, homology, sequence alignment, combined, partitioned, and total evidence analysis. June 1, 2003.

Control y manejo de la rana toro (*Rana catesbeiana*) en el Valle Geográfico del Río Cauca. Cali, Colombia. Taller sobre especies invasoras organizado por el Ministerio del Medio ambiente, Cali, Colombia. 1999. [Workshop organized by the Environmental Minister of Colombia, included basic training for monitoring invasive amphibian species in Colombia].

SCIENCE OUTREACH

Daza JD. Che, donde están los huevos de dinosaurio (In Spanish). Papel de Colgadura. Vol 4. (<http://www.icesi.edu.co/papeldecolgadura/>)

Daza JD, Velez-Juarbe J. Dinosaurios emplumados (In Spanish). El Nuevo Día daily newspaper, San Juan, Tuesday, August 14, 2007.

Daza JD, Velez-Juarbe J. Reptiles fósiles de Puerto Rico (In Spanish). El Nuevo Día daily newspaper, San Juan, Tuesday, May 22, 2007.

Velez-Juarbe J, Daza JD. Los sirénidos fósiles en la Isla (In Spanish). El Nuevo Día daily newspaper, San Juan, Thursday, April 5, 2007.

Daza JD, Velez-Juarbe J. Longevo y diverso el cangrejo (In Spanish). El Nuevo Día daily newspaper, San Juan, Monday, March 26, 2007.

Velez-Juarbe J, Daza JD. Paleontología: una ciencia poco conocida (In Spanish). El Nuevo Día daily newspaper, San Juan, Monday, February 19, 2007.

Daza JD, Velez-Juarbe J. Descubren fósil de un cocodrilo Boricua (In Spanish). El Nuevo Día daily newspaper, San Juan, Friday, February 2, 2007.

Daza JD, Salamanquesa y no salamandra (In Spanish). El Nuevo Día daily newspaper, San Juan, Friday, June 9, 2006.