

ELI GREENBAUM, PH.D.

Curriculum Vitae

PRESENT ADDRESS

University of Texas at El Paso
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WEBSITES

Homepage: <http://eligreenbaum.iss.utep.edu/default.htm>
Blog from 2014: <http://greenbaum2014.at.utep.edu/category/fieldwork/2014-expedition/>
Blog from 2013: <http://greenbaum.at.utep.edu/index.php/2013-expedition>

ACADEMIC POSITIONS

- 2013–present. Associate Professor, Dept. of Biological Sciences, University of Texas at El Paso.
- 2008–2012. Assistant Professor, Dept. of Biological Sciences, University of Texas at El Paso.
- 2006–2008. Postdoctoral Research Fellow, Dept. of Biology, Villanova University, Villanova, PA.

EDUCATION

- 2006. Ph.D. (Ecology and Evolutionary Biology). The University of Kansas, Lawrence. Oral exam: 4 November 2002. Dissertation title: Molecular systematics of New World microhylid frogs, with an emphasis on the Middle American genus *Hypopachus*. Dissertation defense: 25 January 2006 (defended with honors). Advisor: Dr. Linda Trueb.
- 1998. M.S. (Biology). University of Louisiana at Monroe, Monroe. Thesis title: Sexual differentiation in the spiny softshell turtle (*Apalone spinifer*). Advisor: Dr. John L. Carr.
- 1996. B.S. (Biological Sciences). Binghamton University, Binghamton, New York.
- 1992. High School Diploma. City Honors High School, Buffalo, New York.

PENDING GRANTS

- 2014. Institute for Museum and Library Services, Museums for America Program, \$150,000. Natural History Collection Stewardship for the 21st Century at the University of Texas at El Paso. PI. Resubmission.
- 2015. NSF Biodiversity: Discovery & Analysis Program. Preliminary Proposal: Systematics, biogeography, disease ecology and conservation of the herpetofauna and associated parasites from transitional forests of Central Africa. PI.

2015. NIH R15: Academic Research Enhancement Awards, \$398,314. Testing reptilian species as reservoirs and transmission vectors for Ebola with low-coverage genome sequencing. Co-PI. Preliminary proposal in prep.

FUNDED GRANTS (20 Funded, Totalling \$2,818,457)

2014. NSF Research Experience for Undergraduates Supplement, \$13,146. REU Supplement – Collaborative Research: Biotic Inventory of the Amphibians, Reptiles and Associated Parasites of the Central African Lowland Forests. PI.
2013. Howard Hughes Medical Institute. \$2,400,000. UTEP PERSIST: UTEP Program to Educate and Retain Students In STEM Tracks. Co-PI. Funded spring 2014.
2012. NSF Biodiversity: Discovery & Analysis Program, \$366,846. Collaborative Research: Biotic Inventory of the Amphibians, Reptiles and Associated Parasites of the Central African Lowland Forests. PI. DEB-1145459.
2008. UTEP University Research Institute, \$5,000. Evolutionary Relationships of African Toads Inferred From Multiple Genes, With Emphasis on the Genus *Bufo* (Amphibia: Bufonidae).
2008. National Geographic Research and Exploration Grant (no. 8556-08), \$18,522. Conservation Assessment of Endangered Amphibians of the Itombwe Highlands, Democratic Republic of Congo.
2008. Percy Sladen Memorial Fund, £750 (\$1490). Conservation of Endangered Amphibians of the Itombwe Highlands, Democratic Republic of Congo.
2008. Department of Biology, Villanova University Research Funds, \$2,000. Conservation Assessment of Endangered Amphibians of the Itombwe Highlands, Democratic Republic of Congo.
2007. IUCN/SSC Amphibian Specialist Group Seed Grant, \$2,000. Herpetofaunal extinction-risk assessment of the Albertine Rift Highlands, eastern Democratic Republic of Congo.
2007. Department of Biology, Villanova University Research Funds, \$2,000. Herpetofaunal extinction-risk assessment of the Albertine Rift Highlands, eastern Democratic Republic of Congo.
2005. Kentucky Herpetological Society Grant, \$150. Dissertation.
2002. Declining Amphibian Populations Task Force and Critical Ecosystem Partnership Fund Seed Grant, \$1000. Guinea fieldwork.
2000. The Field Museum of Natural History Thomas J. Dee Fellowship, \$200. El Salvador book.
2000. Travel award from the Museum of Vertebrate Zoology, University of California, Berkeley, \$450. El Salvador book.
2000. The University of Kansas, Department of Ecology and Evolutionary Biology Graduate Teaching Funds, \$200. El Salvador book.
2000. Kansas City Herpetological Society Grant, \$400. Viper behavior.
2000. The Explorers Club Exploration Fund Grant, \$1200. El Salvador fieldwork.
2000. Texas Herpetological Society's James R. Dixon Millennium Award, \$500. Viper behavior.
2000. Panorama Society Small Grant (The University of Kansas, Natural History

- Museum), grant co-authored with Christopher Sheil, \$1043. Turtle development.
2000. Panorama Society Small Grant (KUNHM), \$1000. El Salvador fieldwork.
2000. Chicago Herpetological Society Grant-in-Herpetology, \$300. Viper behavior.
1999. Panorama Society Small Grant (KUNHM), \$500. Viper behavior.
1997. Chicago Herpetological Society Grant-in-Herpetology, \$250. Master's thesis.
1997. Sigma Xi Grant-in-Aid-of-Research, \$350. Master's thesis.

AWARDS AND HONORS (Total of 11 awards and honors)

2015. Outstanding Efforts in Securing Extramural Funding Award, UTEP Office of Research and Sponsored Projects.
2014. *Systematics and Biodiversity* Editorial Board Outstanding Paper of 2014 for "Phylogeny, taxonomy, and biogeography of a circum-Indian Ocean clade of leaf-toed geckos (Reptilia: Gekkota), with a description of two new genera."
2012. Article of special significance by Faculty of 1000 for "Repeated origin and loss of adhesive toepads in geckos." <http://f1000.com/717950006>
2006. Honors Dissertation Defense, The University of Kansas.
2005. Invited Participant for POY Workshop (American Museum of Natural History), \$500.
2004. Invited Participant for Amphibia Tree Workshop I (University of Texas-Austin), \$300.
2004. Graduate Student Paper Presentation Fund, The University of Kansas, \$400.
2001. Invited Participant for Summer Research Experience for Students program in Guinea, West Africa; funded by National Science Foundation through a grant to Dr. Frank Pezold (Associate Dean, The University of Louisiana), \$3400.
2000. Invited Participant for US-West Africa Workshop: Niger River Aquatic and Riparian Vertebrate Conservation, funded by National Science Foundation through a grant to Dr. Frank Pezold (Associate Dean, The University of Louisiana); Bamako, Mali, \$2164.
1990. Junior Volunteer of the Year Award. Buffalo Zoological Society, Buffalo, New York.
1990. First Place. Western New York Science Congress, Buffalo, New York. Category: Biology.

PROFESSIONAL EXPERIENCE

RESEARCH AND COLLECTIONS

- 2011–present. **Director.** UTEP Biodiversity Collections (UTEP Natural History Collections in Dept. of Biological Sciences). Duties: head of all collections-based activities, including strategic planning, grant applications, organization and renovations, loans, and growth.
2005. **Curatorial Assistant.** Division of Herpetology, Natural History Museum & Biodiversity Research Center, The University of Kansas, Lawrence. Duties: assisted the collection manager with moving a collection of 7000 specimens from University of Miami to KU (1 week).

- 1999–2001. **Curatorial Assistant.** Division of Herpetology, Natural History Museum & Biodiversity Research Center, The University of Kansas, Lawrence. Duties: Maintenance, loans, and taxonomic upgrades for the 5th largest herpetological collection in the United States. (2 yrs)
1998. **Intern.** Reptile Department, Louisiana Purchase Gardens and Zoo, Monroe. Duties: Maintenance of a venomous snake collection. (1 semester)
1998. **Curatorial Assistant.** Museum of Zoology, The University of Louisiana at Monroe, Monroe. Duties: Care of a medium-sized vertebrate collection. (1 semester)
1994. **Keeper and Public Relations Worker.** Public Education Department, Buffalo Zoological Society, Buffalo, New York. Duties: Care of a small group of live vertebrates, and design of educational material for the public. (2 mo)
- 1989–1992. **Keeper Assistant.** Reptile Department, Buffalo Zoological Society, Buffalo, New York. Duties: Care of a large group of amphibians and reptiles. (3.5 yrs)

TEACHING

- 2013–present. **Research Funding and Professional Development (BIOL 6308/5308).** Lecture. Department of Biological Sciences, University of Texas at El Paso, El Paso, TX. Duties: instructor for lecture. Co-taught with several other faculty members in department.
- 2010–present. **Biodiversity (BIOL 6312).** Lecture. Department of Biological Sciences, University of Texas at El Paso, El Paso, TX. Duties: primary instructor for lecture.
- 2009–present. **Herpetology (BIOL 5305) Lecture & Laboratory.** Department of Biological Sciences, University of Texas at El Paso, El Paso, TX. Duties: primary instructor for lecture and laboratory.
- 2008–present. **Special Problems (BIOL 4198)** Undergraduate research course. Department of Biological Sciences, University of Texas at El Paso, El Paso, TX. Duties: major advisor for research projects.
- 2008–present. **Genetics (BIOL 3320) Lecture.** Department of Biological Sciences, University of Texas at El Paso, El Paso, TX. Duties: primary instructor for lecture.
2008. **Evolution (BIO 4305) Lecture & Laboratory.** Department of Biology, Villanova University, Villanova, PA. Duties: primary instructor for lecture and laboratory course, which has a research and writing enrichment. (spring semester)
2007. **Guest Lecturer.** Department of Biology, Villanova University, Villanova, PA. BIO 4305 Evolution & Evolution Laboratory. Duties: Designed and delivered two 50-minute lectures on classification and phylogenetic methods for an undergraduate course, and explained and demonstrated the process of DNA purification in laboratory. (1 week)
- 2003–2005. **Head Graduate Teaching Assistant.** Department of Ecology and Evolutionary Biology, The University of Kansas, Lawrence. Human

- Anatomy Dissection and Observation Labs. Duties: Primary instructor for dissection lab, organizes schedule for entire lab course, coordinates topics and practical exams, deals with content questions, schedules and oversees duties for undergraduate and graduate teaching assistants, prepares teaching manual. (2 yrs)
- 2003 & 2005. **Graduate Teaching Assistant.** Department of Ecology and Evolutionary Biology, The University of Kansas, Lawrence. Human Anatomy Dissection Lab. Duties: Primary instructor, including test design and grading, utilizing human cadavers. (2 semesters)
- 2001–2003. **Graduate Teaching Assistant.** Department of Ecology and Evolutionary Biology, The University of Kansas, Lawrence. Human Anatomy Observation Lab. Duties: Primary instructor, including test design and grading, utilizing human cadavers. (2 yrs)
2001. **Instructor.** Natural History Museum, The University of Kansas, Lawrence. Herpetology Seminar. Duties: Design and instruction of course for children aged 7–10. (1 wk)
1999. **Substitute Teacher.** Charles Drew Science Magnet, Buffalo, New York. Duties: Instruction of science classes for Grades 2–6. (5 mo)
- 1997–1998. **Teacher of Record.** Department of Biology, University of Louisiana at Monroe, Monroe. Anatomy and Physiology Lab. Duties: Primary instructor, including test design and grading, utilizing preserved organs and models. (1 yr)
1997. **Teacher of Record.** Department of Biology, University of Louisiana at Monroe, Monroe. Basic Biology Course. Duties: Designed and instructed a summer course for children aged 8–12. (1 mo)
1997. **Teacher of Record.** Department of Biology, University of Louisiana at Monroe, Monroe. General Zoology Lab. Duties: Primary instructor, including test design and grading, utilizing preserved and live specimens. (1 semester)
1996. **Laboratory Assistant.** Department of Biology, University of Louisiana at Monroe, Monroe. Anatomy and Physiology Lab. Duties: Assisted teacher of record. (1 semester)
1996. **Teaching Assistant.** Department of Biological Sciences, Binghamton University, Binghamton, New York. Introductory Biology. Duties: Discussion leader for general topics in biology, including quiz design and assignment of grades. (1 semester)

FIELD EXPERIENCE (Total of 13 countries)

- Australia.** August–December 1998. Research Assistant with The Flinders University of South Australia; Adelaide. Volunteered for ecological studies of the skink *Tiliqua rugosa* at the “Winters” field station 150 km NE of Adelaide. Field work was continuous for 13.5 weeks and involved radio telemetry, parasite evaluation, lizard collecting, and biodiversity assessment.
- Burundi.** December 2011. Collected amphibians and reptiles for the University of Texas at El Paso. Number of specimens collected: 489, representing 108 species.
- Democratic Republic of the Congo.** August–September 2007. Collected amphibians

and reptiles to commence my independent research program. Field work was conducted for 3.5 weeks in Kahuzi-Biega National Park during the dry season. Number of specimens collected: 301, representing 61 species. May–July 2008. Collected amphibians and reptiles to commence my independent research program. Field work was conducted for 7 weeks in multiple localities along the Albertine Rift during the wet season. Number of specimens collected: 548, representing 113 species. May–July 2009. Collected amphibians and reptiles for the University of Texas at El Paso. Field work was conducted for 10 weeks in multiple localities in eastern Congo. Number of specimens collected: 802, representing 130 species. December 2009–January 2010. Collected amphibians and reptiles for the University of Texas at El Paso. Field work was conducted for 6 weeks in Katanga province. Number of specimens collected: 555, representing 110 species. December 2010–January 2011. Collected amphibians and reptiles for the University of Texas at El Paso. Field work was conducted for 6 weeks in the Itombwe forest during the rainy season. Number of specimens collected: 430, representing 100 species. January 2012. Collected amphibians and reptiles for the University of Texas at El Paso. Number of specimens collected: 213, representing 87 species. May–August 2013. Collected amphibians, reptiles and scorpions for the University of Texas at El Paso. Number of specimens collected: 1037, representing 120 species. June–July 2014. Collected amphibians and reptiles for the University of Texas at El Paso. Number of specimens collected: 450, representing 103 species.

El Salvador. July–August 2000. Collected amphibians and reptiles for the Division of Herpetology, Natural History Museum & Biodiversity Research Center, The University of Kansas. Field work was conducted for 5.5 weeks in numerous localities throughout El Salvador during the wet season. Number of specimens collected: 518, representing 64 species.

Guinea. May–June 2002. Collected amphibians and reptiles for the Division of Herpetology, Natural History Museum & Biodiversity Research Center, The University of Kansas. Field work was conducted for 3.5 weeks in numerous localities throughout Guinea (West Africa) during the dry season. Number of specimens collected: 564, representing 41 species.

Indonesia. May 2013. Photographed amphibians and reptiles during a personal visit to Bali for 10 days.

Mali. January 2001. Collected amphibians and reptiles for the American Museum of Natural History in collaboration with Dr. Christopher Raxworthy. Field work was conducted for 2 weeks in southern Mali (West Africa) during the dry season. Number of specimens collected: 133, representing 16 species.

Mexico. June 2005. Collected amphibians and reptiles for the Division of Herpetology, Natural History Museum & Biodiversity Research Center, The University of Kansas. Field work was conducted for one week in the highlands surrounding San Cristobal de las Casas at the commencement of the wet season. Number of specimens collected: 85, representing 9 species.

Peru. March 2008. Collected geckos for the Dept. of Biology at Villanova University. Field work was conducted for 1 week in the semi-arid region north of Chiclayo. Number of specimens collected: 100, representing 8 species.

- Seychelles.** November 2006. Collected reptiles for the California Academy of Sciences with Dr. Aaron Bauer. Field work was conducted for 2 weeks on the islands of Mahé, Praslin and Silhouette. Number of specimens collected: 30, representing 13 species.
- South Africa.** December 2006. Collected amphibians and reptiles for the California Academy of Sciences with Dr. Aaron Bauer. Field work was conducted for 2.5 weeks in the Limpopo region near the Zimbabwe border. Number of specimens collected: 170, representing 50 species.
- Uganda.** May–June 2014. Collected amphibians and reptiles for the University of Texas at El Paso. Number of specimens collected: 280, representing 80 species.
- USA. LOUISIANA—**June–August 1997, 1998. Collected turtle eggs and trapped turtles at Black Bayou Lake National Wildlife Refuge; Monroe, Louisiana for work in conjunction with my Master's thesis and for a separate study of the alligator snapping turtle, *Macrochelys temminckii*. June 2000. Collected amphibians and reptiles for the Division of Herpetology, Natural History Museum & Biodiversity Research Center, The University of Kansas.
- TEXAS—**May–June 2000. Collected amphibians and reptiles for the Division of Herpetology, Natural History Museum & Biodiversity Research Center, The University of Kansas.
- Other regional experience: California, Florida, Kentucky, Missouri, New Mexico, Pennsylvania, Texas.

PEER REVIEWS (Total of 22 journals)

Journals: *African Journal of Herpetology* (2006, 2011), *Behavioral Ecology* (2005), *BMC Evolutionary Biology* (2011, 2014), *Bonn Zoological Bulletin* (2010), *Breviora* (2008), *Bulletin de la société herpétologique de France* (2011), *Canadian Journal of Zoology* (2006), *Ethology* (2005), *Herpetologica* (2001, 2003, 2004, 2005, 2008, 2009, 2014), *Herpetological Monographs* (2010, 2011), *Herpetological Review* (2003, 2008, 2012), *Herpetology Notes* (2013), *International Journal of Tropical Biology and Conservation* (2011), *Journal of Biogeography* (2013, 2014), *Journal of Chemical Ecology* (2003, 2005), *Journal of Herpetology* (2004, 2005, 2007, 2009, 2013), *Molecular Phylogenetics and Evolution* (2007*, 2008*, 2009, 2010*, 2012, 2013, 2014), *Organisms, Diversity & Evolution* (2015), *Salamandra* (2007), *Scientific Papers, Natural History Museum, The University of Kansas* (2010), *Studies on Neotropical Fauna and Environment* (2006), *The Herpetological Journal* (2007), *Zootaxa* (2010*, 2011, 2013, 2014).

*multiple reviews in the same year.

National Science Foundation: Proposal for Systematic Biology and Biodiversity Inventories Cluster (2010), Proposal for Dimensions of Biodiversity Program (2011), Proposal for Systematic Biology and Biodiversity Inventories Cluster and Research in Undergraduate Institutions category (2012), Panelist for Evolutionary Processes Cluster (2014), Proposal for Systematics and Biodiversity Science Cluster (2014).

Other Grants: Society for the Study of Amphibians and Reptiles, Grants-in-Herpetology (2007), National Geographic Research and Exploration Grant

(2009), Conservation Leadership Programme (2012, 2015), Portuguese Foundation for Science and Technology (2012), Herpetologists' League E. E. Williams Research Grant for graduate students (2014), National Geographic Young Explorers Grant (2015).

Dissertations: Reader for Dissertation Proposal to Tel Aviv University, Israel (2015).

Textbooks: Fairbanks, D.J., and W. R. Anderson. Genetics: The Continuity of Life. 2nd edition. Chapters 17 (Extranuclear inheritance), 18 (Genomics) and 21 (Evolutionary Genetics) (2008).

UNIVERSITY SERVICE

- 2015–present. Ecology & Evolutionary Biology Graduate Admissions Committee Member.
- 2015–present. Faculty mentor, Dr. Anthony Darrouzet-Nardi.
- 2014–present. Subcommittee representative, SACS Evolution Assessor, UTEP Department of Biological Sciences.
- 2011–present. Representative, UTEP College of Science Orientation and Recruitment Committee.
- 2011–present. Reviewer, College Office of Undergraduate Research Initiatives, student abstracts and poster sessions.
- 2011–present. Director, UTEP Biodiversity Collections (UTEP Natural History Collections in Dept. of Biological Sciences).
- 2010–present. UTEP Faculty Senate Alternate member.
- 2010–present. Chair, UTEP Natural History Collections Renovation Committee.
- 2008–present. UTEP Dept. of Biological Sciences: Library Liaison for book/journal acquisition.
- 2014. Reviewer, Dodson Research Grant for UTEP graduate students.
- 2014. Interviewee, UTEP 100@100 Research for Our Next Century, radio interview at KTEP.
- 2014–2015. Search Committee Representative, UTEP Department of Biological Sciences. Geneticist.
- 2013–2014. Search Committee Representative, UTEP Department of Biological Sciences. Ecophysiologicalist.
- 2011–2013. Director, Forensic Biology Program, Dept. of Biological Sciences.
- 2012–2013. Mentor, College Office of Undergraduate Research Initiatives, Student Mentoring to Achieve Retention: Triads in Science (STEM-SMARTS) program.
- 2012–2013. Search Committee Representative, UTEP Department of Biological Sciences. Cancer Biologist.
- 2011–2012. Search Committee Representative, UTEP Department of Biological Sciences. Infectious Disease.
- 2009–2012. UTEP Faculty Senate At-large member, Student Conduct Committee.
- 2011. “Almost New” Representative, New Faculty Orientation, Fall 2011.
- 2010. Search Committee Representative, UTEP Department of Biological Sciences. Neuroscientist (2010).
- 2009. Research Panelist, Collaborative Faculty Mentoring Program, Fall 2009.
- 2002–2004. Sabbatical Committee Representative. Ecology and Evolutionary Biology

2002. Graduate Student Organization, The University of Kansas, Lawrence. Local Committee Representative. Joint Meeting of Ichthyologists and Herpetologists; Kansas City, Missouri (3–8 July).
- 2001–2002. Vice President. Natural History Museum and Biodiversity Research Center (NHMBRC), Graduate Student Organization, The University of Kansas, Lawrence.
- 2000–2001. Executive Committee Representative. Ecology and Evolutionary Biology Graduate Student Organization, The University of Kansas, Lawrence.
- 1999–2000. Secretary. Ecology and Evolutionary Biology Graduate Student Organization, The University of Kansas, Lawrence.

PROFESSIONAL SERVICE

- 2014–present. Scientific Advisory Board Member, The Reptile Database.
<http://www.reptile-database.org/>
- 2010–present. Associate Editor, *African Journal of Herpetology*.
2015. Contributor, IUCN Global Species Programme / Climate Change Unit. Assessor for 7 species in West Africa.
2014. Contributor, Uganda Amphibian National Red List Assessment, Kampala, Uganda. Assessor for 79 species.
2012. Contributor, IUCN Albertine Rift Amphibian Assessment, Trento, Italy. Assessor for 42 species.
2011. Contributor, IUCN SSC Amphibian Specialist Group 2011. *Arthroleptis adolfifriederici*. In: IUCN 2011. IUCN Red List of Threatened Species. Version 2011.1. <www.iucnredlist.org>.
2010. Contributor, IUCN SSC Amphibian Specialist Group 2010. *Xenopus itombwensis*. In: IUCN 2010. IUCN Red List of Threatened Species. Version 2010.4. <www.iucnredlist.org>.
- 2000–2004. Section Editor, Current Research: *Herpetological Review*.
- 1999–2004. Copy Editor: *Herpetological Review*.

PUBLIC SERVICE

- 2011–2014. Board of Directors Member, Insights El Paso Science Museum, El Paso, TX.
2012. Invited Mentor. Northwest Early College High School visit to UTEP, 26 April 2012.
2012. Invited Mentor. Mesita Elementary School visit to UTEP, 27 March 2012.
2011. Invited Mentor. Valle Verde Early College High School visit to UTEP, 23 May 2011.
2009. Invited Mentor. UTEP Science Day for Mesita Elementary School, 24 February 2009.
2008. Invited Mentor. UTEP Science Day for North Loop Elementary School, 18 November 2008.
- 1999–2003. Instructor. NHMBRC Public Education Department; Lawrence, Kansas.
2000. Invited Mentor. Lansing Middle School Gifted Program, NHMBRC, 3 March 2000.

- 1999–2001. Volunteer. Darwin Origin of Species Event (24 hour reading of Origin of Species), NHMBRC, 3 December 2000.
Museum Day (educational event for children in various topics of biology), NHMBRC, 4 November 1999, 16 April 2000, 4 May 2001.
Turtle Maize Event (public education event regarding turtle biology), NHMBRC, 29 August 1999.

STUDENT MENTORING

- Major Graduate Advisor: Daniel Hughes (Ph.D. student, 2013–present), Joshua A. Lara (M.S. student, 2013–present), Thornton Larson (M.S. student, 2012–present; Fulbright US Student Program awardee, 2015); Maria Medina (M.S. student, 2012–present); Frank Portillo (M.S. student, 2010–2012, Ph.D. student, 2013–present); Chris Anderson (M.S. student, 2009–2011, defended thesis November, 2011, recipient of UTEP 2011 Outstanding Master’s Thesis in Biology; nominee, 2011 College of Science Outstanding Thesis Award); Katrina Weber (M.S. student, 2008–2010, defended thesis November, 2010, recipient of UTEP 2010 Outstanding Master’s Thesis in Biology; nominee, 2010 College of Science Outstanding Thesis Award).
- Undergraduate Research Advisor: Ana Garcia (2015–present); Samantha Stewart (2013–present), Waleeja Rashid (2013–present), Khunnathee Stoner (2012–2013), Marie Nguyen (2012–2013), BRIDGES and COURI student Nancy Conkey (2010–2013), Maria Medina (2011–2012), Rachel Romero (2011–2012), Cesar Villanueva (2008–2010); REU student Cesar Barron (2009–2011), Delilah Castro (spring and summer 2010); Jon Floresca (spring, 2009), REU student Federico Valdez (2009–2010), Stephanie Riera (summer, 2010).
- Graduate Committee Advisor: James Emerson (Ph.D. student, 2014–present), Abdulmeneem Joma (Ph.D. student, 2011–2014), Kevin Floyd (Ph.D. student, 2008–present), Walker Johnson (M.S. student, 2008–2011).
- Postdoctoral Laboratory Supervision (2006–08): Brandon Eck, Christie Buonpane, Tara Hobbie, Michael Daniel, Laura McDowell, Michael Jorgensen, Kate Zatta (undergraduates); Stuart Nielsen, Daniel Portik, Edward Stanley, Perry Wood, Jessie Grismer (M.S. students).

SOCIETY MEMBERSHIPS

- Society of Systematic Biologists
The Willi Hennig Society
Society for the Study of Amphibians and Reptiles (lifetime member)
American Society of Ichthyologists and Herpetologists (lifetime member)
The Herpetologists’ League (lifetime member)
Herpetological Association of Africa
International Society for the Study and Conservation of Amphibians (lifetime member)
Sigma Xi, The Scientific Research Society (UTEP Chapter)

RESEARCH INTERESTS

- Systematics, taxonomy, biogeography, conservation, behavior and natural history of amphibians and reptiles, with a focus on the Central African herpetofauna.

WORKSHOP LEADER

2014. Preservation of Amphibians and Reptiles for Scientific Research. Trained students, park rangers, and other African scientists and stakeholders on the importance of collections, photographs, and correct technique for museum-quality specimens. 25–26 May 2014. Bwindi Impenetrable National Park, Ruhija, Uganda.

PROFESSIONAL PRESENTATIONS (Total of 50 talks, *graduate student, **undergraduate student)

2014. **Greenbaum, E.**, N. Conkey**, R. Romero**, F. I. Alonda, M. F. Barej*, M. Hirschfeld*, N. L. Gonwouo, M. -O. Rödel, K. Jackson, and J. Maximilian Dehling. “A phylogeny of Central African spiny reed frogs (Anura: Hyperoliidae: *Afrixalus*).” Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN (3 August) 15 min.
2014. Portillo*, F., E. Greenbaum, M. Dehling, M. Menegon, and C. Kusamba. “Phylogeography and species boundaries of globe-eyed treefrogs from the Albertine Rift.” Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN (3 August) 15 min. (Presented by FP).
2014. Larson*, T., and **E. Greenbaum**. “Systematics of the African river frog genus *Amietia* (Anura: Pyxicephalidae) in eastern Democratic Republic of the Congo.” Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN (1 August) 15 min. (Presented by TL).
2014. Medina*, M. F., **E. Greenbaum**, A. M. Bauer, and W. R. Branch. “Systematics of African skinks in the *Panaspis wahlbergi* complex.” Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN (2 August) 15 min. (presented by MFM).
2014. Kusamba, C., Z. Nagy, E. Greenbaum, J. Kielgast, V. Gvozdik, and K. Mebert. “L’Herpetofaune de la Cuvette Centrale en RD Congo.” First International Conference on Biodiversity in the Congo Basin, Kisangani, Democratic Republic of the Congo (8 June) 20 min.
2014. **Greenbaum, E.**, N. Conkey**, C. Kusamba, J. B. Pramuk, J. L. Carr, M. -O. Rödel, K. Jackson, J. Kielgast, Z. Nagy, and J. Penner*. “Systematics of Congo Basin true toads (Anura: Bufonidae: *Amietophrynus*) reveals widespread cryptic speciation.” First International Conference on Biodiversity in the Congo Basin, Kisangani, Democratic Republic of the Congo (8 June) 20 min.
2014. Hughes*, D. F., and **E. Greenbaum**. “Molecular phylogenetics of the pygmy chameleon *Rhampholeon boulengeri* from Africa’s Albertine Rift.” First International Conference on Biodiversity in the Congo Basin, Kisangani, Democratic Republic of the Congo (8 June) 20 min. (Presented by DFH).
2014. Ayebare, S., E. Muhindo, G. Mitamba, D. Kujirakwinja, P. Shamavu, M. Menegon, E. Greenbaum, and A. J. Plumptre. “Modeling amphibian distribution in the Albertine Rift: Current distribution and potential impacts of climate change.” African Amphibian Working Group Meeting, Ruhija, Uganda (29 May) 15 min. (Presented by SA).

2014. Mitamba, G., E. Muhindo, Aristot [sic], Wandege [sic], D. Kujirakwinja, P. Shamavu, M. Menego [sic], **E. Greenbaum**, S. Loader, and A. J. Plumptre. "Herpetological surveys in eastern D.R. Congo: Discovering sites of importance for amphibian conservation." African Amphibian Working Group Meeting, Ruhija, Uganda (29 May) 15 min. (Presented by GM).
2014. Portillo*, F., **E. Greenbaum**, M. Menegon, C. Kusamba, and J. Maximilian Dehling. "Phylogeography and species boundaries of *Leptopelis* (Anura: Arthroleptidae) from the Albertine Rift." African Amphibian Working Group Meeting, Ruhija, Uganda (29 May) 15 min. (Presented by EG).
2014. Hughes*, D. F., and **E. Greenbaum**. "Molecular phylogenetics of the pygmy chameleon *Rhampholeon Boulengeri* from Africa's Albertine Rift." African Amphibian Working Group Meeting, Ruhija, Uganda (29 May) 15 min. (Presented by DFH).
2013. Larson*, T., and **E. Greenbaum**. "Genetic diversity of the African river frog genus *Amietia* (Anura: Pyxicephalidae) in eastern Democratic Republic of the Congo." 3rd Annual Graduate Research Expo, El Paso, TX (7 November) 15 min. (Presented by TL).
2013. Portillo*, F. and **E. Greenbaum**. "Systematics of *Leptopelis* from the Albertine Rift." 3rd Annual Graduate Student Expo, El Paso, TX (7 November) 15 min. (Presented by FP).
2013. Medina*, M. F., **E. Greenbaum**, A. M. Bauer, and W. R. Branch. "Systematics of African skinks in the *Panaspis wahlbergi* complex." 3rd Annual Graduate Research Expo, El Paso, TX (7 November) 15 min. (presented by MFM).
2013. Medina*, M. F., **E. Greenbaum**, A. M. Bauer, and W. R. Branch. "Systematics of African skinks in the *Panaspis wahlbergi* complex." Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, NM (10 July) 15 min. (presented by MFM).
2012. **Greenbaum, E**, N. Conkey**, C. Kusamba, J. B. Pramuk, J. L. Carr, M. -O. Rödel, K. Jackson, J. Kielgast, Z. Nagy, and J. Penner*. "Systematics of Congo Basin true toads (Anura: Bufonidae: *Amietophrynus*) reveals widespread cryptic speciation." 7th World Congress of Herpetology, Vancouver, Canada (13 August) 15 min.
2012. Heinicke, M., **E. Greenbaum**, T. Jackman and A. Bauer. "Evolutionary history of Southeast Asian gliding geckos: Phylogenetic, geographic, and temporal patterns." 7th World Congress of Herpetology, Vancouver, Canada (12 August) 15 min. (presented by MH).
2012. **Greenbaum, E**, F. Portillo* and C. Kusamba. "Systematics of *Leptopelis* (Anura: Arthroleptidae) from the Itombwe Plateau, eastern Democratic Republic of the Congo." 15th African Amphibian Working Group Meeting, Trento, Italy (30 May) 30 min.
2010. **Greenbaum, E**, J. B. Pramuk, J. L. Carr and M. -O. Rödel. "Evolutionary relationships of African true toads (Bufonidae: *Amietophrynus*) inferred from multiple genes." Joint Meeting of Ichthyologists and Herpetologists, Providence, RI (10 July) 15 min.
2010. Bauer, A., T. Jackman, and **E. Greenbaum**. "Phylogeny and taxonomy of tropical Asian *Hemidactylus* (Squamata: Gekkota: Gekkonidae)." Joint Meeting of

- Ichthyologists and Herpetologists, Providence, RI (10 July) 15 min.
2010. **Greenbaum, E.** “Summary of research activities at UTEP.” BRIDGES to the Baccalaureate summer research program in Biomedical Sciences. Dept. of Biological Sciences, UTEP (14 April) 10 min.
2010. Roelke, C. E., and E. B. Greenbaum. “The natural history, taxonomic status, and conservation biology of the endangered African treefrog, *Leptopelis karissimbensis*.” Annual Meeting of the Society for Integrative and Comparative Biology, Seattle, WA (5 January) 15 min. (Presented by CER).
2009. **Greenbaum, E.** “Why study the herpetofauna of the Democratic Republic of the Congo?” Centre de Recherche en Sciences Naturelles, Lwiro, Democratic Republic of the Congo (15 December) 10 min.
2009. Jackman, T. R., A.M. Bauer and **E. Greenbaum**. “Phylogenetic relationships of ‘the *Gekko* group’ geckos.” American Society of Ichthyologists and Herpetologists/Herpetologists’ League/Society for the Study of Amphibians and Reptiles Joint Meeting, Portland, Oregon (25 July) 15 min. (Presented by TRJ).
2007. Jackman, T., A. Bauer, **E. Greenbaum**, and T. Gamble. “Phylogenetic relationships of a Transatlantic clade of gekkonid lizards.” Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO (13 July) 15 min. (Presented by TJ).
2007. Gamble, T., A. Bauer, **E. Greenbaum**, and T. Jackman. “Evidence for Gondwanan vicariance in an ancient clade of geckos.” Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO (12 July) 15 min. (Presented by TG).
2007. Bauer, A. M., T. R. Jackman, **E. Greenbaum**, and T. Gamble. “A temporal and spatial history of the gekkotan lizards of the world.” Evolution Annual Meetings, Christchurch, New Zealand (18 June) 15 min. (Presented by AMB).
2007. Bauer, A. M., T. R. Jackman, and **E. Greenbaum**. “Systematics and biogeography of the geckos of the Mediterranean ecosystem.” First Mediterranean Herpetological Congress, Marrakech, Morocco (17 April) 20 min. (Presented by AMB).
2006. **Greenbaum, E.**, A. M. Bauer, T. R. Jackman, M. Vences, and F. Glaw. “Phylogenetic relationships of Madagascan *Paroedura* (Sauria: Gekkonidae).” Herpetological Association of Africa; Potchefstroom, South Africa (25 November) 20 min.
2006. **Greenbaum, E.** “Molecular systematics of New World microhylid frogs, with an emphasis on the Middle American genus *Hypopachus*.” Department of Biology, Villanova University, Villanova, Pennsylvania (5 October). 45 min.
2006. **Greenbaum, E.**, R. O. de Sá, and E. N. Smith. “Phylogeography of the Middle American microhylid genus *Hypopachus*.” Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana (12 July). 15 min.
2006. Bauer, A. M., T. Jackman, **E. Greenbaum**, V. Giri, and A. De Silva. “Systematics of South Asian *Hemidactylus* (Squamata: Gekkonidae).”

- Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana (12 July). 15 min. (Presented by AMB).
2006. Jackman, T. R., A. M. Bauer, R. Hitchmough, and **E. Greenbaum**. "Phylogenetic relationships of the endemic New Zealand diplodactylid gecko radiation." Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana (12 July). 15 min. (Presented by TRJ).
2005. **Greenbaum, E.** "Expecting the unexpected: conducting herpetological fieldwork in Guinea and Mali, West Africa." Kentucky Herpetological Society (23 Jan). 45 min.
2004. **Greenbaum, E.** "The influence of prey-scent stimuli on chemoreceptive behavior of the North American copperhead *Agkistrodon contortrix* (Serpentes: Viperidae)." Joint Meeting of Ichthyologists and Herpetologists; Norman, Oklahoma (28 May). 15 min.
2002. **Greenbaum, E.** "Mambas to malaria: conducting herpetological fieldwork in Guinea, West Africa." Kansas Herpetological Society; Lawrence, Kansas (2 November). 20 min.
2002. **Greenbaum, E.** "Venom variation and chemoreception of the viperid *Agkistrodon contortrix*: evidence for adaptation?" and "Mambas to malaria: conducting herpetological fieldwork in Guinea, West Africa." University of Kansas Natural History Museum and Biodiversity Research Center (NHMBRC) Wednesday Museum Lunch Series; Lawrence, Kansas (11 September). 45 min.
2002. **Greenbaum, E.** "Venom variation and chemoreception of the viperid *Agkistrodon contortrix*: evidence for adaptation?" Joint Meeting of Ichthyologists and Herpetologists; Kansas City, Missouri (5 July). 15 min.
2001. **Greenbaum, E.** "Venom variation and chemoreception of the viperid *Agkistrodon contortrix*." Kansas Herpetological Society; Topeka, Kansas (3 November). 15 min.
2001. **Greenbaum, E.** "A herpetological collecting expedition to Mali, West Africa." The University of Kansas Graduate Student Retreat; Lawrence, Kansas (13 October). 15 min.
2001. **Greenbaum, E.** "Sexual differentiation in spiny softshell turtles (*Apalone spinifera*)." Sigma Xi Research Paper Competition; Lawrence, Kansas (2 April). 15 min.
2001. **Greenbaum, E.** "Conservation and the importance of biodiversity inventories: Herpetological lessons from El Salvador." US-West Africa Workshop: Niger River Aquatic and Riparian Vertebrate Conservation; Bamako, Mali (9 January). 15 min.
2000. **Greenbaum, E.** "Some amphibians and reptiles of El Salvador." Joint meetings of the Kansas Herpetological Society, Kansas City Herpetological Society, and Missouri Herpetological Association; Kansas City, Missouri (21 October). 15 min.
2000. **Greenbaum, E.** "Preliminary results of chemoreception experiments with North American viperids." The University of Kansas Graduate Student Retreat; Lawrence, Kansas (21 October). 15 min.
2000. **Greenbaum, E.** "Results of a collecting expedition to El Salvador." NHMBRC

- Wednesday Museum Lunch Series; Lawrence, Kansas (4 October). 45 min.
1999. **Greenbaum, E.** "Sexual differentiation in spiny softshell turtles (*Apalone spinifera*)." Kansas Herpetological Society, Pratt Community College; Pratt, Kansas (6 November). 15 min.
1999. **Greenbaum, E.** "Sexual differentiation in spiny softshell turtles (*Apalone spinifera*)." The University of Kansas Graduate Student Retreat; Lawrence, Kansas (16 October). 15 min.
1999. **Greenbaum, E.** "Sexual differentiation in spiny softshell turtles (*Apalone spinifera*)." and "The reptiles and amphibians of the mallee chenopod shrubland, South Australia." NHMBRC Wednesday Museum Lunch Series; Lawrence, Kansas (6 October). 15 min.
1999. **Greenbaum, E.** "Sexual differentiation in spiny softshell turtles (*Apalone spinifera*)." Missouri Herpetological Association; Lay Station, Missouri (25 September). 15 min.
1999. Carr, J. L., and **E. Greenbaum.** "Sexual differentiation in spiny softshell turtles (*Apalone spinifera*)." Louisiana Academy of Sciences; Monroe, Louisiana (5 February). 15 min. (Presented by JLC).

INVITED TALKS (Total of 12 talks, *graduate student, **undergraduate student)

2014. **Greenbaum, E.**, N. Conkey**, C. Kusamba, J. B. Pramuk, J. L. Carr, M. -O. Rödel, K. Jackson, J. Kielgast, Z. Nagy, and J. Penner*. "Systematics of Congo Basin true toads (Anura: Bufonidae: *Amietophrynus*) reveals widespread cryptic speciation." Plenary Talk, African Amphibian Working Group Meeting, Ruhija, Uganda (30 May) 60 min.
2013. **Greenbaum, E.** "Mambas, malaria and militias: 21st century exploration and science in the jungles of Democratic Republic of Congo." Science Teachers Association of Texas, El Paso, TX (11 December) 45 minutes.
2013. **Greenbaum, E.** "Mambas, malaria and militias: 21st century exploration and science in the jungles of Democratic Republic of Congo." New Mexico State University Biology Department Seminar, Las Cruces, NM (17 October) 45 minutes.
2012. **Greenbaum, E.** "Scratching the surface of Africa's emerald abyss: Searching for new species in the jungles of Congo." Invited Lecture, Inspiration and Perspiration Series, UTEP Centennial Museum, El Paso, TX (10 November) 1 hour.
2012. **Greenbaum, E.** "Scratching the surface of Africa's emerald abyss: Herpetofaunal speciation patterns of the Congo Basin." Invited Lecture, California Academy of Sciences, San Francisco, CA (11 October) 45 min.
2011. **Greenbaum, E.** "Mambas, malaria and militias: 21st century exploration and science in the jungles of Democratic Republic of Congo." El Paso Community College (Valle Verde Campus) Biology Club, El Paso, TX (22 September) 1 hour.
2011. **Greenbaum, E.** "Mambas, malaria and militias: 21st century exploration and science in the jungles of Democratic Republic of Congo." Minnesota Herpetological Society, Minneapolis, MN (6 May) 1 hour.

2010. **Greenbaum, E.** “Mambas, malaria and militias: 21st century exploration and science in the jungles of Democratic Republic of Congo.” Ecology and Environment, Inc., Buffalo, NY (26 March) 45 min.
2010. **Greenbaum, E.** “Mambas, malaria and militias: 21st century exploration and science in the jungles of Democratic Republic of Congo.” Buffalo Museum of Science, Hayes Lecture, Buffalo, NY (25 March) 45 min.
2007. **Greenbaum, E.** “Speciation of microhylid frogs and gekkotan lizards: unexpected patterns at two phylogenetic scales.” Smithsonian Institution, Washington, DC (11 May). 45 min.
2006. **Greenbaum, E.** “Molecular systematics of New World microhylid frogs, with an emphasis on the Middle American genus *Hypopachus*.” Philadelphia Academy of Sciences, Philadelphia, Pennsylvania (2 June). 45 min.
2001. **Greenbaum, E.** “Venom variation and chemoreception of the viperid *Agkistrodon contortrix*.” and “Conservation and the importance of biodiversity inventories: Herpetological lessons from El Salvador and Mali.” Kansas City Herpetological Society, Independence, Missouri (10 November). 45 min.

POSTERS (Total of 30 posters, *graduate student, **undergraduate student)

2014. Hughes*, D. F., K. Pennington**, E. M. Walker*, B. De Haro*, C. S. Lieb, **E. Greenbaum**, and A. M. Khan. “Initial Cytoarchitectonic Characterization of the Squamate Forebrain: Case Studies of the Western Diamondback Rattlesnake (*Crotalus atrox*) and Two Distinct Chameleon Species (*Trioceros jacksonii*; *Rieppeleon kerstenii*).” Comparative Anatomy and Evolution Poster Session, 40th Annual Meeting of the Society for Neuroscience, Washington, D.C. (17 November; Presented by DFH).
2014. Aley, S. B., L. Echegoyen, A. Khan, D. Villagran, and E. Greenbaum. “UTEP PERSIST: Freshmen Experiences in Novel Border Collaboratories of Investigator-Driven Research.” Howard Hughes Medical Institute Directors Meeting, Chevy Chase, Maryland (8 October; Presented by SBA).
2014. Medina*, M. F., **E. Greenbaum**, A. M. Bauer, and W. R. Branch. “Systematics of African Skinks in the *Panaspis wahlbergi* Complex.” Society for Molecular Biology and Evolution, San Juan, Puerto Rico (8 June; Presented by MFM).
2014. Portillo*, F., **E. Greenbaum**, M. Menegon, C. Kusamba, and M. Dehling. “Phylogeography and species limits of globe eyed treefrogs (Anura: Arthroleptidae) from the Albertine Rift.” Society for Molecular Biology and Evolution, San Juan, Puerto Rico (11 June; Presented by FP).
2014. Rashid**, W., M. F. Medina*, E. L. Stanley, **E. Greenbaum**, M. Menegon, M. A. Nguyen**, and W. R. Branch. “Systematics of African legless skinks (Squamata: Scincidae) of the genus *Melanoseps*.” 4th Annual Campus Office of Undergraduate Research Initiatives Conference, El Paso, TX (26 April; Presented by WR).
2014. Stewart**, S., T. Larson*, and **E. Greenbaum**. “Systematics of the genus *Lygodactylus* from Democratic Republic of the Congo.” 4th Annual Campus Office of Undergraduate Research Initiatives Conference, El Paso,

- TX (26 April; Presented by SS).
2013. Larson*, T., **E. Greenbaum**, and D. Castro**. “Systematics of the African frog genus *Amietia* (Anura: Pyxicephalidae) in eastern Democratic Republic of the Congo.” 2013 Joint Meetings of Ichthyologists and Herpetologists, Albuquerque, NM (13 July; Presented by TL)
2013. Nguyen**, M. A., M. F. Medina*, E. L. Stanley*, **E. Greenbaum**, M. Menegon, and W. R. Branch. “A new species of African limbless skink (Squamata: Scincidae) from eastern Democratic Republic of Congo.” 3rd Annual Campus Office of Undergraduate Research Initiatives Conference, El Paso, TX (20 April; Presented by MAN). Honorable mention in poster competition.
2013. Conkey**, N., R. Romero**, and **E. Greenbaum**. “Phylogenetic relationships of the African treefrog genus *Afrixalus* (Anura: Hyperoliidae).” 3rd Annual Campus Office of Undergraduate Research Initiatives Conference, El Paso, TX (20 April; Presented by NC).
2012. Conkey**, N., and **E. Greenbaum**. “Phylogenetics of African toads (Anura: Bufonidae: *Amietophrynus*).” 7th World Congress of Herpetology, Vancouver, Canada (10 August; Presented by NC).
2012. Medina*, Maria F., **E. Greenbaum**, A. Bauer, and W. R. Branch. “Systematics of African skinks in the *Panaspis wahlbergi* complex.” 7th World Congress of Herpetology, Vancouver, Canada (10 August; Presented by MFM).
2012. Portillo*, F., and **E. Greenbaum**. “Systematics of *Leptopelis* (Anura: Arthroleptidae) from the Itombwe Plateau, eastern Democratic Republic of the Congo.” 7th World Congress of Herpetology, Vancouver, Canada (10 August; Presented by FP).
2011. Medina*, M. F., **E. Greenbaum**, A. Bauer and W. R. Branch. “Systematics of African skinks in the *Panaspis wahlbergi* complex.” UTEP 2011 Summer Research Programs End-of-the-Summer Research Symposium, El Paso, TX (29 July; Presented by MFM).
2011. Conkey**, N., and **E. Greenbaum**. “Phylogenetics of African toads (Anura: Bufonidae: *Amietophrynus*).” UTEP 2011 Summer Research Programs End-of-the-Summer Research Symposium, El Paso, TX (29 July; Presented by NC).
2011. Conkey**, N., and **E. Greenbaum**. “Evolutionary relationships of African true toads (Bufonidae: *Amietophrynus*) inferred from multiple genes.” UTEP College Office of Undergraduate Research Initiatives, El Paso, TX (16 April; Presented by NC).
2010. Conkey**, N., and **E. Greenbaum**. “Evolutionary relationships of African true toads (Bufonidae: *Amietophrynus*) inferred from multiple genes.” Annual Biomedical Research Conference for Minority Students, Charlotte, NC (12 November; Presented by NC).
2010. Anderson*, C., and **E. Greenbaum**. “Phylogeography of the black-tailed rattlesnake (*Crotalus molossus* Baird and Girard, 1853) in the northern Chihuahuan Desert.” Chihuahuan Desert Conference “A Desert Without Borders,” El Paso, TX (14 November; Presented by CA).
2010. Weber*, K., and **E. Greenbaum**. “Molecular data elucidate a species complex

- within populations of *Ptychadena mascareniensis* (Anura: Ptychadenidae) in Democratic Republic of the Congo.” Joint Meeting of Ichthyologists and Herpetologists, Providence, RI (9 July; Presented by KW).
2010. Anderson*, C., and **E. Greenbaum**. “Phylogeography of the black-tailed rattlesnake (*Crotalus molossus* Baird and Girard, 1853) in the northern Chihuahuan Desert.” Joint Meeting of Ichthyologists and Herpetologists, Providence, RI (9 July; Presented by CA).
2010. Villanueva**, C. O., **E. Greenbaum**, C. Kusamba, M. M. Aristote, and W. R. Branch. “A molecular phylogeny of Equatorial African Lacertidae, with the description of a new species from eastern Democratic Republic of the Congo.” Joint Meeting of Ichthyologists and Herpetologists, Providence, RI (9 July; Presented by COV).
2010. Castro**, D., K. Weber*, and **E. Greenbaum**. “Widespread cryptic diversity in the African frog genus *Amietia* (Anura: Pyxicephalidae) in eastern Democratic Republic of the Congo.” Joint Meeting of Ichthyologists and Herpetologists, Providence, RI (9 July; Presented by DC).
2010. Valdez**, F., **E. Greenbaum**, T. Gamble, and A. Bauer. “Phylogeography of Peruvian geckos in the *Phyllodactylus microphyllus* Group.” Joint Meeting of Ichthyologists and Herpetologists, Providence, RI (9 July; Presented by FV).
2010. Weber*, K., and **E. Greenbaum**. “Molecular data elucidate a species complex within populations of *Ptychadena mascareniensis* (Anura: Ptychadenidae) in Democratic Republic of the Congo.” Southwestern Association of Naturalists, Junction, TX (24 April; Presented by KW).
2010. Anderson*, C., and **E. Greenbaum**. “Phylogeography of the black-tailed rattlesnake (*Crotalus molossus* Baird and Girard, 1853) in the northern Chihuahuan Desert.” Southwestern Association of Naturalists, Junction, TX (24 April; Presented by CA).
2007. Hobbie**, T., **E. Greenbaum**, T. R. Jackman and A. M. Bauer. “Molecular systematics of the Australian gecko genus *Oedura*.” Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO (15 July; Presented by TH).
2007. Jackman, T. R., **E. Greenbaum***, and A. M. Bauer. “The polyphyly of Old World leaf-toed geckos.” Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO (15 July; *Presented by EG).
2006. **Greenbaum, E.**, A. M. Bauer, T. R. Jackman, M. Vences, and F. Glaw. “A phylogeny of the enigmatic Madagascan geckos of the genus *Uroplatus*.” Herpetological Association of Africa; Potchefstroom, South Africa (25 November).
2006. **Greenbaum, E.**, A. M. Bauer, T. R. Jackman, M. Vences, and F. Glaw. “A phylogeny of the enigmatic Madagascan geckos of the genus *Uroplatus*.” Joint Meeting of Ichthyologists and Herpetologists; New Orleans, Louisiana (13 July).
2005. **Greenbaum, E.**, and O. Komar. “Threat assessment and conservation prioritization of the herpetofauna of El Salvador.” Joint Meeting of Ichthyologists and Herpetologists; Tampa, Florida (9 July).

2005. **Greenbaum, E.**, and J. L. Carr. “The herpetofauna of Upper Niger National Park, Guinea.” Fifth World Congress of Herpetology; Stellenbosch, South Africa (19 June). (Presented by JLC).

PEER-REVIEWED MAJOR PUBLICATIONS (Total of 61 papers, *graduate student, **undergraduate student)

2015. **Greenbaum, E.**, J. Meece, K. Reed, and C. Kusamba. Extensive occurrence of the amphibian chytrid fungus in the Albertine Rift, a Central African amphibian hotspot. *The Herpetological Journal* 25:91–100.
2015. **Greenbaum, E.**, F. Portillo*, K. Jackson, and C. Kusamba. A phylogeny of Central African *Boaedon* (Serpentes: Lamprophiidae), with the description of a new species from the Albertine Rift. *African Journal of Herpetology* 64:18–38.
2015. Furman*, B. L. S., A. J. Bewick*, T. L. Harrison**, **E. Greenbaum**, V. Gvoždík, C. Kusamba, and B. Evans. Pan-African phylogeography of a model organism, the African clawed frog “*Xenopus laevis*.” *Molecular Ecology* 24:909–925.
2015. Portillo*, F., **E. Greenbaum**, M. Menegon, C. Kusamba, and J. M. Dehling. Phylogeography and species boundaries of *Leptopelis* (Anura: Arthroleptidae) from the Albertine Rift. *Molecular Phylogenetics and Evolution* 82:75–86.
2014. **Greenbaum, E.**, J. Meece, K. Reed, and C. Kusamba. Amphibian chytrid infections in non-forested habitats of Katanga, Democratic Republic of the Congo. *Herpetological Review* 45:610–614.
2014. Leaché, A. D., P. Wagner, C. W. Linkem, W. Böhme, T. J. Papenfuss, R. Chong, B. R. Lavin**, A. M. Bauer, S. Nielsen*, **E. Greenbaum**, M. -O. Rödel, A. Schmitz, M. LeBreton, I. Ineich, L. Chirio, E. A. Eniang, S. Baha El Din, A. R. Lemmon, and F. T. Burbrink. A hybrid phylogenetic-phylogenomic approach for species tree estimation in African *Agama* lizards with applications to biogeography, character evolution, and diversification. *Molecular Phylogenetics and Evolution* 79:215–230.
2014. Portillo*, F., and **E. Greenbaum**. A new species of the *Leptopelis modestus* complex (Anura: Arthroleptidae) from the Albertine Rift of Central Africa. *Journal of Herpetology* 48:394–406.
2014. Wagner, P., **E. Greenbaum**, P. Malonza, and W. R. Branch. Resolving sky island speciation in populations of East African *Adolfus alleni* (Sauria, Lacertidae). *Salamandra* 50:1–17.
2014. Heinicke, M. P., Juan D. Daza, **E. Greenbaum**, T. R. Jackman, and A. M. Bauer. 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* 12:23–42.
2014. Portillo*, F., and **E. Greenbaum**. At the edge of a species boundary: A new and relatively young species of *Leptopelis* (Anura: Arthroleptidae) from the Itombwe Plateau, Democratic Republic of the Congo. *Herpetologica* 70:100–119.

2013. **Greenbaum, E.**, U. Sinsch, E. Lehr, F. Valdez**, and C. Kusamba. Phylogeography of the reed frog *Hyperolius castaneus* (Anura: Hyperoliidae) from the Albertine Rift of Central Africa: Implications for taxonomy, biogeography and conservation. *Zootaxa* 3731:473–494.
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