

ROBERT C. JADIN

DEPARTMENT OF BIOLOGY

UNIVERSITY OF WISCONSIN EAU CLAIRE, EAU CLAIRE, WI 54481

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Google Scholar: <https://scholar.google.com/citations?user=wpa1CxsAAAAJ&hl=en>

Research Gate: https://www.researchgate.net/profile/Robert_Jadin

EDUCATION

- 2009 – 2013 **Ph.D. Ecology and Evolutionary Biology – CU Boulder, Boulder, CO**
Dissertation: Untangling a phylogenetic knot of serpents:
integrative systematics on Neotropical snakes
- 2007 – 2008 **University of Texas at Arlington, Arlington, TX**
Ph.D. student in Quantitative Biology program, transferred to Univ. of Colorado
- 2005 – 2007 **M.Sc. Biology – University of Texas at Tyler, Tyler, TX**
Thesis: Phylogeny of the *Porthidium* group (Squamata: Serpentes:
Crotalinae) inferred from morphological data
- 2000 – 2005 **B.Sc. Biology – Northeastern State University, Tahlequah, OK**
Area of concentration: Fisheries and Wildlife (Double Major)

PROFESSIONAL APPOINTMENTS

- 2018 – present **Visiting Assistant Professor – University of Wisconsin Eau Claire**
- 2017 – 2018 **Lecturer – University of Wisconsin Stevens Point**
- 2013 – 2017 **Lecturer – Northeastern Illinois University, Chicago, IL**

COURTESY APPOINTMENTS

- 2008 – present **Adjunct researcher – University of Texas at Arlington, Arlington, TX**
Amphibian and Reptile Diversity Research Center
Website: <http://biology.uta.edu/herpetology/>

RESEARCH INTERESTS

- | | |
|---|--|
| Biodiversity informatics and integrative taxonomy | Conservation biology and genetics |
| Phylogeography and biogeography | Applying phylogenetics to conservation units |
| Morphological and ecological trait | Experimental design |
| Community and disease ecology evolution | Ecology and natural history |

AWARDS & SCHOLARSHIPS (total: >\$2,600)

- Instructor Excellence Award (1 of 5 given throughout the University for Fall 2013–Spring 2014), NEIU — \$500 plus 2% salary raise
- Graduate Student Award for Outstanding Service (for Fall 2006–Spring 2007), U.T. Tyler — \$100
- Krueger Scholarship (Fall 2006–Spring 2007), U.T. Tyler — \$1,000
- Krueger Scholarship (Spring 2006), U.T. Tyler — \$1,000

FACULTY INTERNAL UNIVERSITY GRANTS (total: ~\$41,669)

-
- Summer Undergrad. Research Program, (Summer 2016), NEIU Student Center for Science Engagement — \$8,969
 - Summer Undergrad. Research Program, (Summer 2015), NEIU Student Center for Science Engagement — \$8,900
 - Summer Undergrad. Research Program, (Summer 2014), NEIU Student Center for Science Engagement — \$10,800
 - Co-PI with biology faculty Sarah A. Orlofske
 - Window treatment to prevent bird strikes on campus, (Spring 2014 & Fall 2016), NEIU Green Fees — \$13,000 total — Co-PI with two faculty in Geography and Environmental Studies

FELLOWSHIPS (total: ~\$56,000)

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- Graduate Research Fellowship, (Summer 2013), CU EBIO Department — \$6,000
 - NSF GK-12 Graduate STEM Fellowship in GK-12 education (Summer 2012–Spring 2013), CU Boulder — \$30,000 + education allowance
 - NSF STEM Fellowship (Fall 2007–Spring 2008), U.T. Arlington — paid 80% tuition per semester
 - NSF EPSCoR Fellowship (Summer 2004), Univ. of Arkansas — \$5,000
 - NSF REU funding (Summer 2004), Univ. of Arkansas — ~\$1,000

RESEARCH GRANTS AND AWARDS (total: \$16,970)

Conference Travel Award, (Summer 2012), NSF GK-12 — \$1,000
 Clark Hubbs Student Travel Grant, (Summer 2012), ASIH — \$300
 Student Travel Grant, (Summer 2012), CU Graduate School — \$300
 Student Travel Award, (Summer 2012), Ecology and Evolution of Infectious Diseases — \$1,000
 Marc Dresden Student Travel Award, (Summer 2012), American Society of Parasitologists — \$400
 Graduate Research Grant, (Spring 2012), CU EBIO Department — \$1,000
 Student Travel Award, (Summer 2011), Society for the Study of Amphibians and Reptiles — \$400
 Graduate Student Research Award, (Summer 2011), Society of Systematic Biologists — \$1,700
 Student Travel Grant, (Summer 2011), CU Graduate School — \$300
 Graduate Research Grant, (Spring 2011), CU EBIO Department — \$1,500
 Theodore Roosevelt Memorial Grant, (Spring 2010), Amer. Museum of Natural History — \$1,080
 Rozella Smith Grant, (Spring 2010), CU EBIO Department — \$2,000
 Charles Edward Shaw Grant, (Spring 2010), East Texas Herpetological Society — \$500
 Museum Award, (Spring 2010), CU Museum of Natural History — \$1,190
 Joseph B. Slowinski Grant, (Spring 2010), California Academy of Sciences — \$500
 Co-curricular Funds for Mexico Herpetofaunal Survey (Summer 2007), U.T. Tyler — \$1,400
 Departmental Funding for Bolivia Herpetofaunal Survey (Winter 2004), NSU — \$2,400

PEER-REVIEWED PUBLICATIONS (reprints available upon request)

Undergraduate student coauthors underlined; *authors contributed equally.

22. Guo, P. Q. Liu, T. Wen, R. Xiao, M. Fang, G. Zhong, N.Q. Truong, F. Zhu, **R.C. Jadin**, and C. Li. 2016. Multilocus phylogeny of the Asian Lanceheaded pitvipers (Squamata, Viperidae, *Protobothrops*). *Zootaxa* 4093:382–390.
21. Orlofske, S.A., **R.C. Jadin**, and P.T.J. Johnson. 2015. It's a predator-eat-parasite world: linking trophic interactions and disease ecology in aquatic ecosystems. *Oecologia* 178:537–547.

20. Wittenberg*, R.D., **R.C. Jadin***, A.M. Fenwick, and R.L. Gutberlet, Jr. 2015. Recovering the evolutionary history of Africa's most diverse viper genus: Phylogeny, morphology, taxonomy, and biogeography of *Bitis* (Reptilia: Squamata: Viperidae). *Organisms, Diversity, and Evolution* 15(1):115–125.
19. Orlofske, S.A., **R.C. Jadin**, J.T. Hoverman, and P.T.J. Johnson. 2014. Predation and disease: understanding the effects of predators at multiple trophic levels on pathogen transmission. *Freshwater Biology* 59(5):1064–1075.
18. **Jadin, R.C.**, F.T. Burbrink, G.A. Rivas, L.J. Vitt, C.L. Barrio-Amorós, and R.P. Guralnick. 2014. Finding arboreal snakes in an evolutionary tree: phylogenetic placement and systematic revision of the Neotropical birdsnakes. *Journal of Zoological Systematics and Evolutionary Research* 52(3):257–264.
17. Pinto, H.A., **R.C. Jadin**, S.A. Orlofske, P.T.J. Johnson, and A.L. Melo. 2013. *Biomphalaria straminea* (Mollusca: Planorbidae) as an intermediate host of *Ribeiroia* (Trematoda: Psilostomidae) in Brazil. *Journal of Parasitology* 99(5):914–918.
16. Roth, B., **R.C. Jadin**, and R.P. Guralnick. 2013. The taxonomic status of *Deroceras hesperium* Pilsbry, 1944 (Gastropoda: Pulmonata: Limacidae) a species of conservation concern in Oregon. *Zootaxa* 3691:453–460.
15. Townsend, J.H., M. Medina-Flores, L.D. Wilson, **R.C. Jadin**, and J.D. Austin. 2013. A relict lineage and new species of green palm-pitviper (Squamata, Viperidae, *Bothriechis*) from the Chortís Highlands of Mesoamerica. *ZooKeys* 298:77–105.
14. **Jadin, R.C.**, and R.B. King. 2012. Ontogenetic effects on snake hemipenial morphology. *Journal of Herpetology* 46(3):393–395.
13. **Jadin, R.C.**, J.H. Townsend, T.A. Castoe, and J.A. Campbell. 2012. Cryptic diversity in disjunct populations of Middle American Montane Pitvipers: A systematic reassessment of *Cerrophidion godmani*. *Zoologica Scripta* 41:455–470.
12. Orlofske, S.A., **R.C. Jadin**, D.L. Preston, and P.T.J. Johnson. 2012. Parasite transmission in complex communities: predators and alternative hosts alter pathogenic infections in amphibians. *Ecology* (as a report) 93:1247–1253.
11. Barros*, T.R., **R.C. Jadin***, J.R. Caicedo-Portilla, and G.A. Rivas. 2012. Discovery of a rare snail-eater snake in Venezuela (Dipsadinae: *Dipsas pratti*), with additions to its natural history and morphology. *Zoosystematics and Evolution* 88:125–134.
10. **Jadin, R.C.**, E.N. Smith, and J.A. Campbell. 2011. Unraveling a tangle of Mexican serpents: a systematic revision of highland pitvipers. *Zool. Journal of the Linnean Society* 163:943–958.
9. **Jadin, R.C.**, and R.V. Parkhill. 2011. Hemipenis descriptions of *Mastigodryas* (Serpentes: Colubridae) from northern Middle America, with comments on the use of hemipenial data in phylogenetics. *Herpetology Notes* 4:207–210.
8. **Jadin, R.C.**, R.L. Gutberlet, Jr., and E.N. Smith. 2010. Phylogeny, evolutionary morphology, and hemipenis descriptions of the Middle American jumping pitvipers (Serpentes: Crotalinae: *Atropoides*). *Journal of Zoological Systematics and Evolutionary Research* 48:360–365.
7. **Jadin, R.C.**, J.R. Velasco, and E.N. Smith. 2010. Hemipenes of the long-tailed rattlesnakes (Serpentes, Viperidae) from Mexico. *Phyllomedusa: Journal of Herpetology* 9(1):69–73.
6. Guo, P., **R.C. Jadin**, A. Malhotra, and C. Li. 2010. An investigation of the cranial evolution of Asian pitvipers (Serpentes: Crotalinae), with comments on the phylogenetic position of *Peltopelorus macrolepis*. *Acta Zoologica: Morphology and Evolution* 91:402–407.
5. Myers, C.W., G. Rivas Fuenmayor, and **R.C. Jadin**. 2009. New species of lizards from Auyantepui and La Escalera in the Venezuelan Guayana, with notes on "microteiid" hemipenes (Squamata: Gymnophthalmidae). *American Museum Novitates* 3660:1–31.

4. **Jadin, R.C.**, M.A. Altamirano, M.H. Yáñez-Muñoz, and E.N. Smith. 2009. First record of the Common House Gecko (*Hemidactylus frenatus*) in Ecuador. *Applied Herpetology* 6(2):193–195.
3. King, R.B., **R.C. Jadin**, M. Grue, and H.D. Walley. 2009. Behavioural correlates with hemipenis morphology in New World natricine snakes. *Biol. Journal of the Linnean Society* 98:110–120.
2. **Jadin, R.C.** 2007. Prey items of the Tzotzil Montane Pitviper (*Cerrophidion tzotzilorum*). *Southwestern Naturalist* 52(3):437–438.
1. **Jadin, R.C.**, and J.L. Coleman. 2007. New county records of the Mediterranean Gecko (*Hemidactylus turcicus*) in northeastern Texas with comments on range expansion. *Applied Herpetology* 4(1):90–94.

Book Chapters

1. **Jadin, R.C.** 2010. Morphological phylogeny of the montane pitvipers (Crotalinae: *Cerrophidion*) with comments on the conservation of Mesoamerican highlands. In: L.D. Wilson, J.H. Townsend, and J.D. Johnson [eds.]. *Conservation of Mesoamerican Amphibians and Reptiles*. Eagle Mountain Publishing. Pp. 674–685.

Natural History, Geographic Distribution, and Book Review Articles

16. Orlofske, S.A., and **R.C. Jadin**. 2018. Book review: Studies on Anomalies in Natural Populations of Amphibians, Henle & Dubois (eds.). *Herpetological Review* 49(2):363–366.
15. Orlofske, S.A., H.D. Hedman, J.E. Koechlin, and **R.C. Jadin**. 2012. Herpetological ecotourism and conservation: Reserva Amazónica, Perú. *IRCF, Reptiles & Amphibians: Conservation and Natural History* 19:254–262.
14. **Jadin, R.C.**, and E.N. Smith. 2010. The hemipenis of *Trimorphodon quadruplex*. *Herpetological Review* 41(2):157–159.
13. **Jadin, R.C.**, S.A. Orlofske, and J.M. Ray. 2010. *Hemidactylus frenatus*. G.D. *Herpetological Review* 41(4):512.
12. **Jadin, R.C.**, and S.A. Orlofske. 2010. *Xenopholis scalaris*. Diet. *Herp. Review* 41(1):101.
11. Pruett, J.A., and **R.C. Jadin**. 2010. *Tantilla gracilis*. Predation. *Herpetological Review* 41(1):99.
10. Flores, E., **R.C. Jadin**, and S.A. Orlofske. 2010. *Helicops polylepsis*. Diet and intraspecific competition. *Herpetological Review* 41(1):93–94.
9. **Jadin, R.C.** 2010. *Cerrophidion tzotzilorum* Campbell, Tzotzil Montane Pitviper. *Catalogue of American Amphibians and Reptiles* 880:1–2.
8. **Jadin, R.C.**, and U.O. García-Vázquez. 2009. *Sibon nebulatus*. G.D. *Herpetological Review* 40(3):366–367.
7. Orlofske, S.A. and **R.C. Jadin**. 2009. *Phyllomedusa camba*. Max. Size. *Herp. Review* 40(2):207.
6. **Jadin, R.C.** 2008. Caracolera Jaspeada (*Sibon nebulatus*): Segundo registro para la municipio de La Huerta en Jalisco, México. *Boletín de la Sociedad Herpetología Mexicana* 16(2):46.
5. **Jadin, R.C.**, and U.O. García-Vázquez. 2008. Natural history notes. *Salvadora mexicana* (Male Combat). *Herpetological Bulletin* 104:39–40.
4. **Jadin, R.C.**, and J.L. Coleman. 2007. New county records of amphibians and reptiles from Rains county, Texas. G.D. *Herpetological Review* 38(2):246–247.
3. **Jadin, R.C.**, J.L. Coleman, A.M. Modra, and S.A. Orlofske. 2006. *Hemidactylus turcicus*. G.D. *Herpetological Review* 37(4):495.
2. **Jadin, R.C.**, and J.L. Coleman. 2006. *Farancia abacura reinwardtii*. G.D. *Herpetological Review* 37(1):108–109.
1. **Jadin, R.C.**, and J.R. Engelbert. 2005. *Pseudacris feriarum feriarum*. G.D. *Herpetological Review* 36(2):200.

INVITED SEMINARS

Univ. Wisconsin – Parkside. Oct. 31st, 2014.

Chicago Herpetological Society. Chicago, IL. July 30th, 2014.

Graduate seminar, Department of Ecology and Evolutionary Biology, CU Boulder. Boulder, CO. April 11th, 2013.

Science and Engineering Research Council, 2nd School in Herpetology, *Wildlife Institute of India*. Dehradun, India. September 1–14, 2008.

Northeastern State University–Department of Biology, Tahlequah, OK. March 26th, 2008.

Louisiana State University–Museum of Natural History. Baton Rouge, LA. April 13th, 2007.

CONTRIBUTED PRESENTATIONS (31 oral conference presentations, 17 student co-authors)

10th Annual Society for Ecological Restoration – Great Lakes Chapter Meeting, Stevens Point, WI

22nd Annual Wetland Science Conference, Stevens Point, WI. March 2nd, 2017.

8th Ann. Student Center for Science Engagement, Northeastern Illinois University. Sept. 16th, 2016.

24th Annual Student Research and Creative Activities Symposium. April 15th, 2016.

7th Ann. Student Center for Science Engagement, Northeastern Illinois University. Sept. 18th, 2015.

23rd Annual Student Research and Creative Activities Symposium. April 15th, 2015.

6th Ann. Student Center for Science Engagement, Northeastern Illinois University. Sept. 26th, 2014.

Biology of the Pitvipers 2. Tulsa, OK. June 4–7th, 2014.

Colorado PARC meeting. Colorado State University, Fort Collins, CO. Jan. 26th, 2013.

43rd Annual Rocky Mountain Conference of Parasitologists. Cedar Point Biological Station, Ogallala, NE. Sept. 7th, 2012.

7th World Congress of Herpetology. Vancouver, Canada. August 10th, 2012.

97th Annual Meeting of the Ecological Society of America. Portland, OR. August 10th, 2012.

87th Annual Meeting of the American Society of Parasitologists. Richmond, VA. July 14th, 2012.

42nd Annual Rocky Mountain Conference of Parasitologists. Cedar Point Biological Station, Ogallala, NE. September 9th, 2011. †Awarded the Datus M. Hammond Award for best paper presentation.

96th Annual Meeting of the Ecological Society of America. Austin, TX. August 10th, 2011.

Biology of the Rattlesnakes Symposium. Tucson, AZ July 23rd, 2011.

Joint Meeting of Ichthyologists and Herpetologists. Minneapolis, MN. July 7th, 2011.

41st Annual Rocky Mountain Conference of Parasitologists. Cedar Point Biological Station, Ogallala, NE. September 10th, 2010. †Awarded the Datus M. Hammond Award for best paper presentation by graduate student.

85th Annual Meeting of the American Society of Parasitologists. Colorado Springs, CO. June 24th, 2010.

Graduate symposium: “How evolution works and why it is important”. CU Mus. Nat. Hist., Univ. of Colorado, Boulder, CO. Feb. 18th, 2010.

Department of Ecology and Evolutionary Biology Spring Symposium. Univ. of Colorado, Boulder, CO. April 7th, 2009.

2nd Annual Meeting of Reptile and Amphibian Enthusiasts of Arkansas. Mt. Magazine S.P., AR. April 17th, 2004 (Other presenters: Dr. S.E. Trauth, Dr. S.J. Beaupré, Dr. M.V. Plummer, et al.).

92nd Annual Technical Meeting of the Oklahoma Acad. of Sciences. Chickasha, OK. November 7th, 2003. †Abstract published in the *Proceedings of the Oklahoma Academy of Sciences* 83:96–97.

POSTER PRESENTATIONS (18 poster presentations, 14 student co-authors)

- 70th Annual Midwestern Conference of Parasitologists, Eastern Illinois University, Charleston, IL
Midwest Herpetological Symposium, Naperville, IL. Oct. 1st, 2016.
- 8th Ann. Student Center for Science Engagement, Northeastern Illinois University. Sept. 16th, 2016.
- Joint Meeting of Ichthyologists and Herpetologists. New Orleans, LA. July 9th, 2016.
- 7th Ann. Student Center for Science Engagement, Northeastern Illinois University. Sept. 18th, 2015.
Sept. 26th, 2014.
- Cedar Point Biological Station, Ogallala, NE. September 9th, 2011. † Awarded the Datus M. Hammond Award for best poster presentation.
- Joint Meeting of Ichthyologists and Herpetologists. Minneapolis, MN. July 9th, 2011.
- 9th Ann. Ecology and Evolution of Infectious Diseases. UCSB, Santa Barbara, CA. June 19th, 2011.
- Joint Meeting of Ichthyologists and Herpetologists. Providence, RI. July 9th, 2010.
- Joint Meeting of the Wilson Ornithological Society and Association of Field Ornithologists.
Pittsburg, PA. April 10th, 2009.
- Annual Meeting of the American Ornithologists' Union. Portland, OR. August 5th, 2008.
- Joint Meeting of Ichthyologists and Herpetologists. St. Louis, MO. July 15th, 2007.
- Joint Meeting of Ichthyologists and Herpetologists. New Orleans, LA. July 14th, 2006.
- Research Day for Regional Universities. Univ. of Central Ok., Edmond, OK. October 29th, 2004.
- Research Day for Regional Universities, Univ. of Central Ok., Edmond, OK. November 14th, 2003.

RESEARCH WORKSHOPS ATTENDED

- Ecology and Evolution of Infectious Disease Workshop. Evolution Workshop on Modeling and Data Analysis. University of Michigan – Ann Arbor 19–22 May 2012. Funded ~\$1,000 to attend.

TECHNICAL REPORTS

- Jadin, R.C.** 2003. Snake Population Research at the J.T. Nickels Preserve. (28 pgs.) Prepared for the Nature Conservancy.

ADDITIONAL RESEARCH EXPERIENCE

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|---------------------|--|
| Dec. 2011–Jan. 2012 | Amphibian and reptile population monitoring –
Inkaterra, Reserva Amazónica, Peru. |
| Summer 2011 | Research assistant on the phylogenetics of <i>Deroceras</i> slugs – CU Boulder. |
| Dec. 2009 | Herpetofaunal survey in Central Panama – La Montaña para Investigación y
Conservación Ambiental. |
| May–Aug. 2009 | Leopard frog and bullfrog monitoring in Colorado – CU Boulder. |
| Sept. 2008–May 2009 | Collections Assistant – CU Museum of Natural History, Boulder, CO. |
| Dec. 2007–Jan. 2008 | Amphibian and reptile population monitoring and sustainable ecotourism –
Inkaterra, Reserva Amazónica, Peru. |
| May–June 2007 | Herpetofaunal survey and collection research in western and southern Mexico –
Universidad Nacional Autónoma de México and U.T. Arlington. |
| Summer 2005 | Chiricahua Leopard Frog research – University of Arizona. |
| Dec. 2004–Jan. 2005 | Herpetofaunal survey and collection research in northwestern Bolivia –
Colección Boliviana de Fauna, La Paz, Bolivia. |
| Summer 2004 | Arkansas NSF-EPSCoR physiological ecology research internship – University
of Arkansas. Funds from EPSCoR Fellowship & ~\$1,000 REU. |
| 2001–2004 | Herpetofaunal survey of a Nature Conservancy preserve, Cherokee Co., OK. |
| 2001 | Racer and rat snake telemetry – Sequoyah St. Park, Cherokee Co., OK. |

TEACHING CERTIFICATES

Professional Development Certificate in Preparing Future Faculty, Graduate Teacher Program – CU Boulder. Awarded 21 May 2012

Certificate in College Teaching, Graduate Teacher Program – CU Boulder
Awarded 13 June 2011

CLASSROOM TEACHING EXPERIENCE

University of Wisconsin Eau Claire — August 2018 to present

Visiting Assistant Professor

- Evolution and Biogeography of the Vertebrates (BIOL 491: Fall 2018)
- Animal Behavior (BIOL 365: Fall 2018)
- General Biology (BIOL 105: Fall 2018)

University of Wisconsin Stevens Point — August 2017 to Spring 2018

Lecturer

- Comparative Vertebrate Anatomy (BIO 370: Spring 2018)
- General Zoology (BIO 160: Fall 2017, Spring 2018)

Northeastern Illinois University — August 2013 to August 2017

Lecturer

- Evolutionary Biology (BIO 413: Fall 2013, Spring 2016)
- Contemporary Topics in Ecology and Evolution (BIO 457: Spring 2017)
- Biological Geography (BIO 358: Spring 2014, Spring 2017)
- Ecology (writing in the majors course): (BIO 305: Fall 2014, Fall 2016)
- Ecology Concepts (BIO 299: Fall 2016)
- Introduction to Biology for Educators (BIO 110: Spring 2017)
- General Biology II (BIO 202: Fall 2013, Spring 2014)
- General Biology I (BIO 201: Spring & Fall 2015)
- Introduction to Biology (BIO 100: Spring 2016)
- Environmental Biology for Educators (BIO 105: Summer 2015, Summer 2016)
- Changing Natural Environment (BIO 104: Fall 2013 – Fall 2016, Summer 2017)

University of Colorado at Boulder — August 2009 to Summer 2013

NSF GK-12 Fellow

Visiting scientist at Angevine Middle School, CO (Summer 2012–Spring 2013)

– Intensive training in science education focuses on enhancing presentation, lecturing, and research outreach skills along with teaching to diverse learning styles and English as a second language students. Assisted two 6–8th grade teachers with teaching lessons in their physical science, earth science, outdoor education, and engineering courses. Graduate students selected for this program have been specifically chosen based on their previous teaching qualifications and dedication to science education.

Instructor of Record

- Biology of Amphibians and Reptiles (EBIO 4740: Spring 2012)

Teaching Assistant

- Evolutionary Biology (EBIO 3080: Fall 2010)
- General Biology II (EBIO 1240: Spring 2010, 2011)
- General Biology I (EBIO 1230: Fall 2009, 2011)

September High School, Boulder, CO — Fall 2008

Substitute science teacher

- Taught classes of each biology, chemistry, meteorology, and physics for approximately two weeks to 9th–12th graders.

Upward Bound Program, Arlington, TX — June to July 2008

Instructor

- 6-week AP Biology course for ~25 inner city high school students who would be first generation college students.

University of Texas at Arlington — August 2007 to May 2008

Teaching Assistant

- Natural History of the Vertebrates (4444: Spring 2008)
- Introduction to Cellular and Molecular Biology (1441: Fall 2007)

University of Texas at Tyler — August 2005 to May 2007

Teaching Assistant

- Herpetology (4131 & 5131: Spring 2007)
- Ecology (3137: Fall 2006)
- General Biology II (1107: Spring 2006, 2007)
- General Biology I (1106: Fall 2005)

TEACHING WORKSHOPS GIVEN

Jadin, R.C. Understanding why evolution is vital for society: a case study of the venomous and medically important New World pitvipers. Teaching Evolution Workshop for high school teachers. Univ. of Colorado at Boulder, Boulder, CO. August 4th, 2012.

Jadin, R.C. Tree Building: Phylogenetics and Systematics. Evolution workshop for high school teachers. Univ. of Colorado at Boulder, Boulder, CO. October 9th, 2010.

INVITED TEACHING LECTURES

Jadin, R.C. Phylogenetic tree building and parsimony analyses. Course: Molecular Systematics and Evolution (EBIO 4290 & 5290). *CU Boulder*, Boulder, CO. Sept. 7th, 2010.

Jadin, R.C. Utility of morphological and molecular phylogenetics in vertebrate evolution. Course: Evolution of Vertebrates (ZOOL 3113). *Northeastern State University*, Tahlequah, OK. March 26th, 2008.

Jadin, R.C. Should ecologists trust morphological phylogenies? A case study using the Jumping Pitvipers. Integrated Behavior and Organismal Biology Group (IBOB). *Virginia Polytechnic Institute & State University*. Blacksburg, VA. March 14th, 2007.

TEACHING AND PROFESSIONAL DEVELOPMENT WORKSHOPS

CU Boulder, Graduate teacher program workshops

- 2012 – Using highlighter to teach your students to read & critique scholarly articles; Technology programs that allow you to assess student learning; Teaching disconcerting scientific ideas; The publishing process; Surviving and thriving as a new faculty member.
- 2011 – Active learning, inquiry, & approaches to case study teaching in biology; Teaching contentious topics; Integrating activities into your course to maximize student learning; Teaching-as-research: How do you know what your students learn?; Providing effective feedback & evaluating creative work; Teaching your first course as instructor of record. i.e., graduate part-time instructor; Teaching for diversity: a CIRTl perspective; 101 teaching tips for top-notch teaching; How to organize fun and effective small group work; How to hold effective office hours: models & issues; Grading problems in STEM disciplines.
- 2010 – Science interdisciplinary collaboration; Teaching core skills in introductory classes; Teaching science in the 21st century; Teaching as instructor of record and working with your own teaching assistants; What do undergrads want from their teachers?; Discussions: How to get your students talking; Writing a syllabus based on learning goals; Working with the diversity of students in your classrooms; Conflict management in the classroom; Academic advising ideas for graduate teachers; Stress management for graduate students; Taking charge of your own graduate experience.
- 2009 – Teaching science labs; Bloom’s taxonomy: using questions effectively; Dealing with problems; The CU honor code and ethics in teaching; The tenure process: an overview and personal perspective; Goal setting for academic success; Putting your teaching portfolio together; What’s the difference between an advisor and a graduate mentor?; Graduate and professional student advocacy.

Society for the Study of Amphibians and Reptiles, graduate student workshop

- Law and order in herpetology: Permits and regulations for importation and exportation. Minneapolis, MN July 8th, 2011.

American Society of Parasitologists, Teacher education workshop

- “Infecting” the next generation-parasites in the classroom, laboratory, and field. Colorado Springs, CO June 22nd, 2010.

Herpetologists’ League, graduate studies workshop

- Thinking about thinking about amphibian declines: a view from the trenches. New Orleans, LA July 13th, 2006.

UNIVERSITY SERVICE

- Advisor for UWSP Herpetological Society (August 2017–present)
- Colloquium Committee (Spring 2010–Fall 2012) – CU Boulder
- Evolution Outreach Committee (Fall 2009–Spring 2013) – CU Boulder
- Graduate Symposium Committee (Spring 2010) – CU Boulder
- Banquet Committee, Chair (Spring 2008), Phi Sigma – U.T. Arlington
- Membership Committee, Chair (Spring 2008), Phi Sigma – U.T. Arlington
- Biology Undergraduate Curriculum Committee (Fall 2007–Spring 2008) – U.T. Arlington

DISCIPLINE RELATED SERVICE

- Subject editor (snakes) for ZooKeys (2016–present)
- Associate editor for *The Journal of North American Herpetology* (2012–present)
- Editorial board member for the journal *Anartia* (2011–present)
- Chicago Herpetological Society Grants (2013 – present), chair of committee (2014 – present)
- Student awards committee, Annual Midwestern Conference of Parasitologist (2017 – present)
- Grants committee, Annual Midwestern Conference of Parasitologist (2018 – present)
- Advisory Committee (August 2012–present) – Save the Frogs! (<http://savethefrogs.com/>)
- Scientific Advisory Board (August 2012–present) – Reptile Database (<http://reptile-database.reptarium.cz/>)
- Herpetologists' League Ernest E. Williams Grant (2012)
- Panel reviewer for Nature magazine (August 2010–November 2011)
- Acknowledged in the following journals for tissue contributions, field work, specimens deposited, species identifications, or morphological data (last updated 2013): Proc. Nat. Acad. Sciences (X2), Molecular Ecology, Evolution, Molecular Phylogenetics and Evolution (X3), Zoological Journal of the Linnean Society (X2), Conservation Biology, Comparative Biochemistry and Physiology – Part A (X2), Journal of Applied Ecology, Journal of Herpetology, Herpetologica, Copeia, Zootaxa (X3), Herpetological Review (X5), and Bulletin of the Chicago Herp. Society
- Reviewed manuscripts for (*last updated 2015*): American Naturalist (X2), Amphibia-Reptilia, Asian Herpetological Research, Boletim do Museu Paraense Emílio Goeldi: Ciências Naturais, European Journal of Taxonomy, Global Change Biology, Herpetological Journal, Hepetological Review, Herpetology Notes, Journal of Herpetology (X3), Journal of Zoological Systematics and Evolutionary Research (X2), Molecular Ecology Resources, Molecular Phylogenetics and Evolution, South American Journal of Herpetology, ZooKeys (X2), Zoologica Scripta (X3), and Zoological Journal of the Linnean Society (X2)
- Collected and deposited >800 amphibian and reptile specimens at: the Univ. of Arkansas, Colección Boliviana de Fauna, Univ. of Arizona, Univ. of Texas at Tyler, Univ. of Texas at Arlington, Universidad Nacional Autónoma de México, Smithsonian Tropical Research Institution – Panama
- Assisted with curation of herpetological specimens in the U.T. Tyler teaching collection.

OUTREACH

○ **ENVIRONMENTAL SEMINARS**

- Global Ecological Collapse and U.S., U.T. Arlington. June 20th & 27th, 2008
I led four-hour discussions to inform high school students in the upward bound program about environmental problems and solutions. I showed several videos of scientific and environmental talks and the film “11th Hour”.
- The Global Warming and Biodiversity Crisis, U.T. Tyler. April 19th, 2007
I led discussions to U.T. Tyler students and faculty on global climate change and biodiversity decline. I showed the extra features from “An Inconvenient Truth”.

○ **GUEST SPEAKER**

- Jadin, R.C.** Global declines in amphibians: Do we know what we are losing? Three talks to classes at Fairview High School, Boulder, CO. March 22nd, 2013.
- Jadin, R.C.** Discovering and describing new species of venomous snakes: Tales from the field and the laboratory. CU Mus. Nat. Hist., Univ. of Colorado, Boulder, CO. March 15th, 2012.
- Jadin, R.C.** Discovering new species of amphibians and reptiles. UWSP Herpetological Society. University of Wisconsin Stevens Point, Stevens Point, WI. November 22nd, 2010.
- Jadin, R.C.** The role of evolution in describing biodiversity. East Boulder Senior Center, Boulder, CO. Oct. 15th, 2010.
- Jadin, R.C.** In search of new species: Herpetological collecting in the Neotropics. Brownbag talk. EBIO. Univ. of Colorado, Boulder, CO. Sept. 30th, 2009.
- Jadin, R.C.** and S.A. Orlofske. Global declines in amphibians: Do we know what we are losing? Biology Club. EBIO. Univ. of Colorado, Boulder, CO. April 13th, 2009.
- Jadin, R.C.** and S.A. Orlofske. Amphibian and reptile research and ecotourism in a lowland Amazonian rainforest. Phi-Sigma Biological Sciences Honor Society. U.T. Arlington, Arlington, TX. April 9th, 2008.
- Jadin, R.C.** Middle American pitviper phylogenetics: Are we arriving at a consensus? Colorado State University–Dept. of Biology, Rachel Mueller Lab, Fort Collins, CO. March 7th, 2008.
- Jadin, R.C.** and S.A. Orlofske. Natural history of the common reptiles of Reserva Amazónica. Inkaterra, Tambopata, Reserva Amazónica, Peru. Jan. 9th, 2008 & Dec. 7th, 2011.
- Orlofske, S.A. and **R.C. Jadin**. Natural history of frogs and toads of Reserva Amazónica. Inkaterra, Tambopata, Reserva Amazónica, Peru. Dec. 25th, 2007 & Dec. 13th 2011.
- Jadin, R.C.** Surveying amphibians and reptiles in northwestern Bolivia: A megadiversity hotspot. Dallas/Ft. Worth Herp. Soc., Univ. of Texas at Arlington, Arlington, TX. September 16th, 2006.
- Jadin, R.C.**, and S.J. Beaupré. New technique for monitoring thermal ecology and foraging behavior in Timber Rattlesnakes (*Crotalus horridus*) using video recorders and radiotelemetry methods. East Texas Regional Herp. Soc. Univ. of Texas at Tyler, Tyler, TX. October 8th, 2005.

○ **EDUCATIONAL OUTREACH ACTIVITIES**

- Faculty participant at the UWSP Museum of Natural History 9th Annual Collection Crawl
- Participant on a 4-person panel discussion to K–12 teachers: “*Addressing contrarian claims about climate change and evolution.*” CU Boulder, March 16th, 2013.
- Snake biology expert for an event called “supper with snakes” at the CU Museum of Natural History where I communicated with parents and their children about snake natural history.
- Participant on a 4-person panel discussion to K–12 teachers: “*Science & Faith in Education.*”
- Organized numerous Save the Frogs! Day activities in April of 2009, 2012, 2013, & 2018.
- Wrote a case study about pitviper phylogenetics and venom evolution for the General Biology II laboratory manual.
- Judged natural resources and wildlife projects for the Boulder county 4-H fair, July 30th, 2011.
- Taught approx. 30 elementary school teachers, through an Expeditionary Learning program in Denver (<http://elschools.org/>), about frog biology and museum studies in order for them to apply that knowledge into their own curriculum to get students interested and knowledgeable about biology and amphibians. June 29th, 2011.
- Co-organized a graduate student symposium on biodiversity at the CU Boulder Museum of Natural History. Feb. 16th, 2011.

- Organized a graduate student symposium on evolution at the CU Boulder Museum of Natural History. Feb. 18th, 2010.
- Contributed an “object of the month” on the CU Boulder Museum of Natural History website illustrating snake hemipenial morphology and explaining its biological importance. (http://cumuseum-archive.colorado.edu/Research/Objects/nov09_hemipenes.html)
- Wrote an English/Spanish checklist (co-author S.A. Orlofske) of the amphibians and reptiles of Reserva Amazónica, Peru. Includes updated taxonomy and common names for each species.
- Participated in several “Meet the Scientist” outreach education programs to middle school students for the Camp Tyler Foundation. 2006.
- Merit badge counselor for the Boy Scouts of America (Reptile and Amphibian Badge). 2005.
- Led the herpetology field trip for the spring and fall 2004 Oklahoma Academy of Sciences field meetings. Assisted with herpetology field trips during my first seven OAS meetings.

DISCIPLINE COURSEWORK

Graduate (Ph.D. – CU Boulder)

Contemporary topics in Evolutionary Biology (Speciation), Introduction to Biological Research, Introduction to Scientific Illustration

Graduate (Ph.D. – U.T. Arlington)

Theoretical Systematics, Molecular Evolution, Herpetology of Mexico, Computational Evolution Seminar, Biometry

Graduate (Master’s)

Phylogenetic Systematics, Evolutionary Genetics, Biogeography, Landscape Ecology, Ethoecology, Ornithology, Phylogenies and Community Ecology Seminar, Pathogen Evolution Seminar, Univariate Statistics, Multivariate Statistics

Undergraduate

Principles of Evolutionary Biology, Herpetology, Plant Systematics, Genetics, Vertebrate Paleontology, Ecology, Ecological Methods, General Zoology, Environmental Problems, Research in Biology (2 semesters), Cellular Biology, General Animal Physiology, Entomology, Fisheries and Wildlife Management, Ornithology, Limnology, Botany, Geographic Information Systems, Statistical Methods