

KEVIN W. CONWAY

Associate Professor and Curator of Fishes

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EDUCATION

- 2005 – 2010. **Ph.D.** Saint Louis University, St. Louis, MO, USA
2003 – 2004. **M.Sc.** Advanced Methods in Taxonomy and Biodiversity. Imperial College/Natural History Museum, London, UK.
2003 – 2004. **DIC**, Diploma of Imperial College. Imperial College, London.
1999 – 2003. **B.Sc.** (Honours) Zoology. University of Glasgow, Glasgow, UK

POSITIONS

- 2016 – Present. **Associate Professor**, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX, USA
2010 – Present. **Curator of Fishes**, Biodiversity Research and Teaching Collection, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX, USA
2010 – 2016. **Assistant Professor**, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX, USA
2005 – 2010. **Graduate Research Assistant**, Department of Biology, Saint Louis University, St. Louis, MO, USA

RESEARCH INTERESTS

Systematic Ichthyologist with interests in the taxonomy, phylogenetic relationships and anatomy of freshwater and intertidal marine fishes. Experienced in both morphological (light microscopy, SEM, histology, clearing and double-staining, CT scanning) and molecular laboratory techniques (PCR, Sanger sequencing). Research questions focus on species discovery and identification, taxonomic revisions, descriptive anatomy, evolutionary relationships, biogeography and phylogeography, and conservation genetics. Taxonomic interests focused on members of the orders Cypriniformes (~4000 species) Siluriformes (~3000 species), and Gobiiesocidae (~160 species).

CURATORIAL EXPERIENCE

Over 12 years experience in the curation of natural history specimens, including preparation and management of traditional voucher specimens and long-term management of genetic (e.g., tissues, extractions) and digital resources (e.g., photographs, field notes and CT data). 6 years experience in collection management at a large University based Natural History collection. Current responsibilities include: supervision of collection staff and volunteers, specimen management, utilization and acquisition, acquisition of financial support, and collection visibility.

TEACHING EXPERIENCE

Experienced in University based teaching and mentorship of undergraduate and graduate students. Teaching experiences include traditional lecture-based courses in general Zoology and Ichthyology, laboratory courses and short workshops in general Zoology and vertebrate anatomy, and national and international field-based courses in zoological collection methods and tropical ecology.

PUBLICATIONS (graduate students underlined; undergraduate students bold underlined)

60. Portnoy, D.S., S.C. Willis, E. Hunt, D.G. Swift, J.R. Gold & K.W. Conway. (in review). Molecular phylogenetics of the New World searobins (Triglidae; Prionotinae). *Molecular Phylogenetics and Evolution*.
59. Tsakiris, E.T., C.R. Randklev, A. Blair, M. Fisher & K.W. Conway. (in review). Trait-dependent effects of translocation on performance of freshwater mussels: Implication of phenotypic variation among populations. *Hydrobiologia*.
58. Hastings, P.A. & K.W. Conway. (in press). *Gobiesox lanceolatus*, a new species of clingfish (Teleostei: Gobiesocidae) from the Los Frailes submarine canyon, Gulf of California, Mexico. *ZOOTAXA*.
57. McEachran, J.D. & K.W. Conway. (2016). Ichthyology. In: M.M. Haggerty & M. Pearl-Meuth (Eds). *The Texas Master Naturalist Statewide Curriculum*. Texas A&M University Press. Pp: xx-xx.
56. Tsakiris, E.T., C.R. Randklev & K.W. Conway. (2016). Effectiveness of a nonlethal method to quantify gamete production in freshwater mussels. *Freshwater Science*, DOI: 10.1086/687839.
55. Conway, K.W. & **A.K. Pinion**. (2016). *Psilorhynchus tysoni*, a new species of torrent minnow from western Thailand (Teleostei: Psilorhynchidae). *ZOOTAXA*, 4136: 580-592.
54. Voelker, G., R.C.K. Bowie & K.W. Conway. (2016). Replacement names for *Chapinia* and *Ripleyia* (Aves: Passeriformes: Muscicapidae). *ZOOTAXA*, 4107: 599.
53. Conway, K.W. & D.M. Kim. (2016). Redescription of the Texas shiner *Notropis amabilis* from the southwestern United States and northern Mexico with the reinstatement of *N. megalops* (Teleostei: Cyprinidae). *Ichthyological Exploration of Freshwaters*, 26: 305-340.
52. Britz, R. & K.W. Conway. (2016). *Danionella dracula*, an escape from the cypriniform *Bauplan* via developmental truncation? *Journal of Morphology*, 277:147-66.
51. Conway, K.W., N.G. Bertrand, Z. Browning, T. Lancon & F.J. Club Jr. (2015). Heterodonty in the New World: an SEM investigation of oral jaw dentition in the clingfishes of the subfamily Gobiesocinae (Teleostei: Gobiesocidae). *Copeia*, 2015: 973-998.
50. Kleinteich, T., K.W. Conway, S.N. Gorb & A.P. Summers. (2015). What's inside a fishy suction cup. *Microscopy and Analysis*, 136: S8-S10.
49. Kubicek, K.M. & K.W. Conway. (2015). Developmental osteology of *Sciaenops ocellatus* and *Cynocion nebulosus* (Teleostei: Sciaenidae), economically important sciaenids from the western Atlantic. *Acta Zoologica*. DOI: 10.1111/azo.12122
48. Conway, K.W. & R. Britz. (2015). *Psilorhynchus olliei*, a new species of torrent minnow from eastern Myanmar (Teleostei: Psilorhynchidae). *Ichthyological Exploration of Freshwaters*, 25: 347-356.
47. Conway, K.W., R. Britz, J. Shrestha, A. Manimekalan & L. Rüber. (2015). Molecular phylogenetics of the Asian torrent minnows (Ostariophysi: Psilorhynchidae) inferred from nuclear and mitochondrial sequence data. *Journal of Zoological Systematics and Evolutionary Research*, 53: 33-44.
46. Lujan, N.K. & K.W. Conway. (2015). Life in the fast lane: a review of rheophily in fishes. In: R. Riesch, M. Tobler & M. Plath (eds). *Extremophile Fishes - Ecology and Evolution of Teleosts in Extreme Environments*. Springer. Pp: 107-136, 297-307(appendix).
45. Britz, R., K.W. Conway & L. Rüber. (2014). Miniatures, morphology, and molecules: *Paedocypris* and the problems regarding its phylogenetic position. *Zoological Journal of the Linnean Society* 172: 556-615.

44. Conway, K.W., R. Britz & D.S. Siegel. (2014). Different on the inside: extreme swimbladder sexual dimorphism in the South Asian torrent minnows. *Biology Letters* 10: 20140348.
43. Conway, K.W., C.C. Baldwin & **M.D. White**. (2014). Cryptic diversity and venom glands in the western Atlantic clingfishes of the genus *Acyrtus* (Teleostei: Gobiesocidae). *PLoS ONE*, 9: e97664.
42. Kim, D.M. & K.W. Conway. (2014). Phylogeography of *Rhinichthys cataractae* (Teleostei: Cyprinidae): pre-colonization across the Continental Divide and Pleistocene diversification within the Rio Grande drainage. *Biological Journal of the Linnean Society*, 111: 317-333.
41. Ng, H.H. & K.W. Conway. (2013). *Pseudolaguvia assula*, a new crypto-benthic sisorid catfish from central Nepal (Teleostei: Sisoridae). *Ichthyological Exploration of Freshwaters*, 24: 179-185.
40. Conway, K.W., D.E. Dittmer, **L.E. Jazisek** & H.H. Ng. (2013). On *Psilorhynchus sucatio* and *P. nudithoracicus* with the description of a new species of *Psilorhynchus* from northeastern India (Teleostei: Psilorhynchidae). *ZOOTAXA*, 3686: 201-243.
39. Kim, D.M., K.W. Conway, H.-B. Jeon, Y.-S. Kwon & Y.-J. Won. (2013). High genetic diversity within the morphologically conservative Dwarf loach, *Kichulchoia brevifasciata* (Teleostei: Cobitidae), an endangered freshwater fish from South Korea. *Conservation Genetics*, 14: 757-769.
38. **Hanna, A.H.**, K.W. Conway, E. W. Carson, G.P. Garrett & J.R. Gold. (2013). Conservation genetics of an undescribed species of *Dionda* (Teleostei: Cyprinidae) in the Rio Grande Drainage in West Texas. *Southwestern Naturalist*, 58: 35-40.
37. Conway, K.W., R.L. Mayden, J. Shrestha & D. Edds. (2012). Redescription of the Nepalese endemic torrent minnow *Psilorhynchus pseudecheneis* Menon & Datta (Teleostei: Psilorhynchidae) with comments on *P. homaloptera* Hora & Mukerji. *Ichthyological Exploration of Freshwaters*, 23: 193-210.
36. Conway, K.W., N. Lujan, J.G. Lundberg, R.L. Mayden & D.S. Siegel. (2012). Microanatomy of the paired-fin pads of ostariophysan fishes (Teleostei: Ostariophysi). *Journal of Morphology*, 273: 1127-1149.
35. Ou, C., C.G. Montaña, K. Winemiller & K.W. Conway. (2011). *Schistura diminuta*, a new miniature loach from the Mekong River drainage of Cambodia (Ostariophysi: Nemacheilidae). *Ichthyological Exploration of Freshwaters*, 22: 193-200.
34. Conway, K.W., M. Kottelat, H.H. Tan. (2011). Review of the South East Asian miniature cyprinid genus *Sundadanio* (Ostariophysi: Cyprinidae) with descriptions of seven new species from Indonesia and Malaysia. *Ichthyological Exploration of Freshwaters*, 22: 251-288(cover).
33. Conway, K.W., D.R. Edds, J. Shrestha & R.L. Mayden. (2011). A new species of gravel-dwelling loach (Ostariophysi: Nemacheilidae) from the Nepalese Himalayan Foothills. *Journal of Fish Biology*, 79: 1746-1759.
32. Conway, K.W. & H.L. Prestridge. (2011). Multiple new records of *Gymnoscyphus ascitus* Böhlke & Robins 1970 (Perciformes, Gobiesocidae) from the western Central Atlantic. *Check List: Journal of Species Lists and Distributions*, 7: 581-582.
31. Conway, K.W. & M. Kottelat. (2011). *Boraras naevus*, a new species of miniature and sexually dichromatic cyprinid fish from Peninsular Thailand (Ostariophysi: Cyprinidae). *ZOOTAXA*, 3002: 45-51.
30. Britz, R. & K.W. Conway. (2011). Additions to the "Cypriniformes Tree of Confusion". Pg. 142. In: Carvalho, M.R. de & Craig, M.T. (Eds). Morphological and Molecular Approaches to the Phylogeny of Fishes: Integration or Conflict? *ZOOTAXA*, 2946: 1–142.
29. Britz, R. & K.W. Conway. (2011). The Cypriniformes Tree of Confusion. Pg. 73-78. In:

- Carvalho, M.R. de & Craig, M.T. (Eds). Morphological and Molecular Approaches to the Phylogeny of Fishes: Integration or Conflict? *ZOOTAXA*, 2946: 1–142.
28. Mabey, P.M., E. Grey, G. Arratia, N. Bogutskaya, A. Boron, †M. Coburn, K.W. Conway, S. He, A. Naseka, N. Rios, A. Simons, J. Szlachciak & X. Wang. (2011). Gill arch and hyoid arch diversity and cypriniform phylogeny: Distributed integration of morphology and Web-based tools. *ZOOTAXA*, 2877: 1-40.
 27. Conway, K.W. (2011). Osteology of the South Asian Genus *Psilorhynchus* McClelland, 1839 (Teleostei: Ostariophysi: Psilorhynchidae) with investigation of its phylogenetic relationships within the Order Cypriniformes. *Zoological Journal of the Linnean Society*, 163: 50-154.
 26. Vishwanath, W., H.H. Ng, R. Britz, L. Kosygin Singh, S. Chaudhry & K.W. Conway. (2010). Chapter 3. The Status and Distribution of Freshwater Fishes of the Eastern Himalaya Region. In: Allen, D., S. Molur & B.A. Daniel (Compilers). *The Status and Distribution of Freshwater Biodiversity in the Eastern Himalaya*. IUCN, Cambridge, UK and Gland, Switzerland.
 25. Conway, K.W. & R. Britz. (2010). Three new species of *Psilorhynchus* from Myanmar (Ostariophysi: Psilorhynchidae). *ZOOTAXA*, 2616: 1-16.
 24. Conway, K.W. & M. Kottelat. (2010). Two new species of Torrent Minnow (Ostariophysi: Psilorhynchidae: *Psilorhynchus*) from Western Myanmar. *Raffles Bulletin of Zoology*, 58: 259-267.
 23. Conway, K.W. & R.L. Mayden. (2010). *Balitora eddsi*, a new species of hill stream loach from Nepal (Ostariophysi: Balitoridae). *Journal of Fish Biology*, 76: 1466-1473.
 22. Bennet, M. & K.W. Conway. (2010). North America's diminutive freshwater fish fauna. *Ichthyological Exploration of Freshwaters*, 21: 63-72
 21. Conway, K.W., M.V. Hirt, L. Yang, R.L. Mayden & A.M. Simons. (2010). Cypriniformes: Systematics and Paleontology. Pp. 295-316, In: H-P, Schultz, M.V.H. Wilson & J.S. Nelson (eds): *Origin and Phylogenetic Interrelationships of Teleosts*. Verlag Dr. Freidrich Feil, München.
 20. Conway, K.W. & R.L. Mayden. (2010). Gill-filament ossifications: a possible morphological synapomorphy uniting the families Balitoridae and Cobitidae (Ostariophysi: Cypriniformes). *Journal of Fish Biology*, 75: 2839-2844.
 19. Konstantinidis, P. & K.W. Conway. (2010). The median-fin skeleton of the Eastern Atlantic and Mediterranean clingfishes *Lepadogaster lepadogaster* (Bonnaterre) and *Gouania wildenowi* (Risso) (Teleostei: Gobiesocidae). *Journal of Morphology*, 271: 215-224.
 18. Conway, K.W., R.L. Mayden & K.L. Tang. (2009). *Devario anomalus*, a new species of freshwater fish from Bangladesh (Ostariophysi: Cyprinidae). *ZOOTAXA*, 2136: 49-58.
 17. Britz, R., K.W. Conway & L. Rüber. (2009). Spectacular morphological novelty in a miniature cyprinid fish, *Danionella dracula* n. sp. *Proceedings of the Royal Society, B*, 276: 2179-2186 (cover).
 16. Britz, R. & K.W. Conway. (2009). Osteology of *Paedocypris*, a miniature and highly developmentally truncated fish (Teleostei: Ostariophysi: Cyprinidae). *Journal of Morphology*, 270: 389-412 (cover).
 15. Conway, K.W. & R.L. Mayden. (2008). Two new species of *Psilorhynchus* (Ostariophysi: Psilorhynchidae) with the redescription of *P. balitora*. *Ichthyological Exploration of Freshwaters*, 19: 215-232.
 14. Conway, K.W. & R.L. Mayden. (2008). *Psilorhynchus breviminor*, a new species of psilorhynchid from Myanmar (Ostariophysi: Psilorhynchidae). *Ichthyological Exploration of Freshwaters*, 19: 111-120.

13. Conway, K.W. & M.L.J. Stiassny (2008). Phylogenetic diagnosis of the African cyprinid genus *Clypeobarbus* Fowler, with the rehabilitation of *C. bomokandi* (Myers) and notes on included species. *Ichthyological Research*, 55: 260-266.
12. Mayden, R.L., K.L. Tang, R. M. Wood, W.-J. Chen, M.K. Agnew, K.W. Conway, L. Yang, A. M. Simons, H. L. Bart, P. M. Harris, J. Li, X. Wang, K. Saitoh, S. He, Y. Chen, M. Nishida & M. Miya. (2008). Inferring the Tree of Life of the order Cypriniformes, the World's diverse clade of freshwater fishes: Implications of varied taxon and character sampling *Journal of Systematics and Evolution*, 46: 424–438.
11. He, S., X. Gu, R.L. Mayden, W.-J. Chen, K.W. Conway & Y. Chen. (2008). Phylogenetic position of the enigmatic genus *Psilorhynchus* (Ostariophysi: Cypriniformes): Evidence from the mitochondrial genome. *Molecular Phylogenetics and Evolution*, 47: 419-425.
10. Conway, K.W. & M. Kottelat. (2008). *Araiocypris batodes*, a new genus and species of cyprinid fish from the Quang Ninh Province of Vietnam (Ostariophysi: Cyprinidae). *Raffles Bulletin of Zoology*, 56: 101-105.
9. Conway, K.W., W.-J. Chen & R.L. Mayden. (2008). The “celestial pearl danio” is a miniature *Danio* (s.s) (Ostariophysi: Cyprinidae): evidence from morphology and molecules. *ZOOTAXA*, 1686: 1-28.
8. Conway, K.W. & M. Kottelat. (2007). A new species of *Psilorhynchus* (Teleostei: Psilorhynchidae) from the Ataran River Basin, Myanmar, with comments on the generic name *Psilorhynchoides*. *ZOOTAXA*, 1663: 47–57.
7. Conway, K.W. & R. Britz. (2007). Sexual dimorphism of the Weberian apparatus and pectoral girdle of *Sundadanio axelrodi*, a miniature cyprinid from South East Asia. *Journal of Fish Biology*, 71: 1562–1570.
6. Mayden, R.L., K.L. Tang, K.W. Conway, J. Freyhof, **S.J. Chamberlain**, M. Haskins, **L. Schneider**, **M. Sudkamp**, R.M. Wood, M. Agnew, A. Bufalino, Z. Sulaiman, M. Miya, K. Saitoh & S. He. (2007). Phylogenetic relationships of *Danio* within the order Cypriniformes: A framework for comparative and evolutionary studies of a model species. *Journal of Experimental Zoology (Mol. Dev. Evol.)*, 308B: 642-654.
5. Neely, D.L., K.W. Conway & R.L. Mayden. (2007). *Erromyzon yangi*, a new hillstream loach from the Pearl River Drainage of Guangxi Province, P.R. China. *Ichthyological Exploration of Freshwaters*, 18: 97-102.
4. Conway, K.W. & R.L. Mayden. (2007). The gill arches of *Psilorhynchus* (Ostariophysi: Psilorhynchidae). *Copeia* 2007(2): 267-280.
3. Conway, K.W. & R.L. Mayden. (2006). Threatened fishes of the world: *Elassoma alabamae* Mayden, 1993 (Elassomatidae). *Environmental Biology of Fishes*, 75(2): 195-196.
2. Conway, K.W. & T. Moritz. (2006). *Barboides britzi*, a new species of miniature cyprinid from Benin (Ostariophysi: Cyprinidae), with a neotype designation for *B. gracilis*. *Ichthyological Exploration of Freshwaters*, 17(1): 73-84.
1. Conway, K.W. (2005). Monophyly of the genus *Boraras* (Teleostei: Cyprinidae). *Ichthyological Exploration of Freshwaters*, 16(3): 249-264 (cover).

PUBLISHED ABSTRACTS

1. Kleinteich, T., K.W. Conway, S.N. Gorb & A.P. Summers. 2014. What's inside a fishy suction cup? *Bruker microCT User meeting abstract book*, 80-84.

POPULAR ARTICLES

1. Conway, K. W. (2009). Marvels in Miniature. *Practical Fishkeeping Magazine*, Bauer Active Ltd, UK. November 2009: 70-75.

PRESENTATIONS (* denotes presenter when more than one is listed; graduate students underlined; undergraduate students bold underlined)

66. Pinion, A.K.*, D.M. Kim & K.W. Conway. Variation in tuberculation across the range of the Sand Shiner *Notropis stramineus* (Teleostei: Cyprinidae). Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2016. Poster Presentation.
65. Kubicek, K.M.*, R. Britz & K.W. Conway. Developmental Osteology of the Tadpole Madtom, *Noturus gyrinus*. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2016. Oral Presentation.
64. King, C.D.*, P. A. Hastings & K.W. Conway. *Discotrema* or *Lepadichthys*: the phylogenetic position of *Lepadichthys lineatus* Briggs within the subfamily Diademichthyinae. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2016. Poster Presentation.
63. K.W. Conway*, C. King, H.A. Hastings & A. Summers. Clingfish Classification: problems and progress. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2016. Oral Presentation.
62. Mock, I. M.* & K.W. Conway. An overview of oral keratinization in North American cyprinids (Teleostei: Cyprinidae). Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2016. Poster Presentation.
61. Mock, I.*, P. Echo-Hawk & K.W. Conway. Ontogeny of the trophic apparatus of the Federally threatened Devils River minnow *Dionda diaboli*. Kerrville, January 2016. Poster Presentation.
60. Kubicek, K.M.*, R. Britz & K.W. Conway. Development of the catfish stinger. Texas Chapter of the American Fisheries Society, Kerrville, January 2016. Poster Presentation.
59. Pinion, A.*, Kim, D.M. & K.W. Conway. An SEM investigation of tuberculation across the range of the sand shiner *Notropis stramineus*. Texas Chapter of the American Fisheries Society Kerrville, January 2016. **Best Student Poster Presentation.**
59. Conway, K.W. Ichthyological bedtime stories. Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, August 2015. Tenure application seminar.
57. Kubicek, K.M.*, R. Britz & K.W. Conway. Development of the catfish stinger. Joint Meeting of Ichthyologists and Herpetologists, Reno, July 2015. Poster Presentation.
56. Conway, K.W.*, T. Fraser & C.B. Baldwin. Taxonomic Revision of the seagrass-dwelling clingfishes of the genus *Acyrtops* (Teleostei: Gobiesocidae). Joint Meeting of Ichthyologists and Herpetologists, Reno, July 2015. Poster Presentation.
55. Conway, K.W. Dragonets, blennioids or none of the above: a morphological perspective on the gobiesocid sister group. Joint Meeting of Ichthyologists and Herpetologists, Reno, July 2015. **Invited Oral Presentation. Rosen Symposium Speaker.**
54. Kubicek, K.M.*, R. Martínez-García, C. A. Alvarez-González & K.W. Conway. Early Development of the Mexican Snook *Centropomus poeyi* (Teleostei: Centropomidae). Texas Chapter of the American Fisheries Society, Tyler, January 2015. Oral Presentation.
53. Conway, K.W.* What can we learn from sticky fishes? Bay Area Scientists Seminar Series. Lonestar Community College, Cypress Campus. October 2014. **Invited Oral Presentation.**
52. Kubicek, K.M.*, R. Martínez-García, C. A. Alvarez-González & K.W. Conway. Early Development of the Mexican Snook *Centropomus poeyi* (Teleostei: Centropomidae). Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, July/August 2014. Poster Presentation.
51. Conway, K.W.*, L. Rüber, H. Espinosa-Perez & P. Hastings. *Pherallodiscus* a junior synonym of *Gobiesox* Lacepède. Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, July/August 2014. Poster Presentation.

52. Conway, K.W. Little fishes big problems: deciphering the phylogenetic placement of the world's smallest vertebrates. Rice University, Ecology and Evolutionary Biology Seminar Series, April 2014. **Invited Oral Presentation.**
49. Conway, K.W.*, A.C. Urbanczyk, G.R. Wilde & K.B. Mayes. Early development of the Arkansas River shiner *Notropis girardi*, a threatened member of the Cyprinidae from the Great Plains Region. Texas Chapter of the American Fisheries Society, Lake Texoma, February 2014. Poster Presentation.
48. **Hemingson, C.H.*** & K.W. Conway. A photographic atlas to the early development of the Bullhead minnow *Pimephales vigilax*. Texas Chapter of the American Fisheries Society, Lake Texoma, February 2014. Poster Presentation.
47. Conway, K.W.* & D.M. Kim. One minnow or two: genetic and morphological diversity across the range of the Texas Shiner (*Notropis amabilis*). Texas Chapter of the American Fisheries Society, Lake Texoma, February 2014. Oral Presentation.
46. Kubicek, K.M.* & K.W. Conway. Developmental osteology of two species of economically important sciaenids, *Sciaenops ocellatus* and *Cynoscion nebulosus* (Teleostei: Sciaenidae). Texas Chapter of the American Fisheries Society, Lake Texoma, February 2014. **Best Student Oral Presentation.**
45. **White, M.D.***, **R. Cohen**, **A. Rush**, D.M. Kim & K.W. Conway. One minnow or two: genetic and morphological diversity across the range of the Texas Shiner (*Notropis amabilis*). Undergraduate Research Symposium, Texas A&M University, College Station, August 2013. Poster Presentation.
44. Kim, D.M.* & K.W. Conway. Phylogeography of the longnose dace, *Rhinichthys cataractae*, with an emphasis on the Rio Grande Drainage. Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, July 2013. Poster Presentation.
43. Conway, K.W.*, N. Bertrand & Z. Browning. Heterodonty in the New World Clingfishes (Teleostei: Gobiesocidae). Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, July 2013. **Invited Oral Presentation.**
42. Conway, K.W.*, L. Rüber, A. Summers & P. Hastings. Phylogenetic revamp of phenetic clingfish classification. 9th IndoPacific Fishes Conference, Okinawa, June 2013. Oral Presentation.
41. Conway, K.W.* & R. Britz. *Danionella dracula*, an escape from the cypriniform bauplan? 9th IndoPacific Fishes Conference, Okinawa, June 2013. Oral Presentation.
40. **Rodriguez, V.***, Maura Palacios, G. Voelker & K.W. Conway. A genetic and morphological approach to resolving taxonomic confusion in the freshwater fish species of the *Poeciliopsis gracilis* complex. Evolution 2013, Snowbird, June 2013. Poster Presentation.
39. **Rodriguez, V.***, Maura Palacios, G. Voelker & K.W. Conway. Rediscovering the past of Freshwater Poeciliid fish in Middle America. Minorities in Agriculture, Natural Resources, and Related Sciences Conference, Texas A&M University, March 2013. Oral Presentation.
38. Tsakiris, E.T.*, C.R. Randklev & K.W. Conway. Effects of Translocation on Life History Patterns of Freshwater Mussels. Texas Freshwater Mussel Symposium, San Marcos, March 2013. Oral Presentation.
37. Tsakiris, E.T.*, C.R. Randklev, K.W. Conway, B. Sowards & M. Cordova. Structure of Freshwater Mussel Assemblages in Yegua Creek, an Impounded Tributary of the Brazos River, Texas. Texas Freshwater Mussel Symposium, San Marcos, March 2013. Oral Presentation.
36. Marchio, E., E.T. Tsakiris, C. Randklev & K.W. Conway*. Identification of Smooth Pimpleback (*Quadrula houstonensis*) Host(s) Through DNA Sequences Obtained From Naturally Infected Fishes: An Update. Texas Freshwater Mussel Symposium, San Marcos, March 2013. Oral Presentation.

35. Conway, K.W.* Not all miniatures are equal: exploring the effects of miniaturization on the teleost skeleton. Virginia Institute of Marine Science, College of William and Mary. March 2013. **Invited Oral Presentation.**
34. Conway, K.W.* Strange things come in small packages: exploring the strange anatomy of South Asian minnows. University of Texas at Tyler. February 2013. **Invited Oral Presentation.**
37. Conway, K.W.* Strange things come in small packages: exploring the strange anatomy of South Asian minnows. TAMU Zoological Society, February 2013. **Invited Oral Presentation.**
32. Conway, K.W.*, L. Rüber, A. Summers & P. Hastings. Phylogenetic revamp of phonetic clingfish classification. World Congress of Herpetology, Vancouver, August 2012. Oral Presentation.
31. Conway, K.W.*, **M. D. White** & C. Baldwin. Cryptic Clingfish Diversity in the western Atlantic: molecular and morphological evidence for a new species of *Acyrtus* (Teleostei: Gobiesocidae). World Congress of Herpetology, Vancouver, August 2012. Poster Presentation.
30. Conway, K.W., D. Portnoy*, **M. D. White** & J. R. Gold. Searobin hybridization revisited: molecular insights on the hypothesized hybrid zone, inferred from external morphology, between *Prionotus alatus* and *P. paralatus* in the northern Gulf of Mexico. World Congress of Herpetology, Vancouver, August 2012. Poster Presentation.
29. **Jezišek, L. E.***, D.E. Dittmer & K.W. Conway. Torrent minnow taxonomy tidy-up: synonymization of *Psilorhynchus gracilis* Rainboth 1983 with *P. nudithoracicus* Tilak & Husain 1980. Texas Tech Annual Biological Symposium, Texas Tech University, Lubbock, March 2012. Poster Presentation.
28. Conway, K.W., E.T. Tsakiris, C.R. Randklev & R.N. Wilkins. Identification of smooth pimpleback (*Quadrula houstonensis*) host(s) through DNA sequences obtained from naturally infected fishes. Texas Freshwater Mussel Symposium, University of Texas at Tyler, March 2012. Oral Presentation.
38. Conway, K. W. Identification of smooth pimpleback (*Quadrula houstonensis*) host(s) through DNA sequences obtained from naturally infected fishes. TAMU Zoological Society, February 2012. **Invited Oral Presentation.**
26. **Bertrand, N.***, & K. W. Conway. Taxonomic distribution and evolution of heterodonty in the ray-finned fishes (Actinopterygii). Texas Chapter of the American Fisheries Society, Galveston, February 2012. Oral Presentation
25. **Tsakiris, E.T.***, C.R. Randklev, **M.S. Johnson**, J. Groce, K.W. Conway & R.N. Wilkins. Status and distribution of freshwater mussels (Family: Unionidae) in the Leon River, Texas. Texas Chapter of the American Fisheries Society, Galveston, February 2012. Poster Presentation.
24. Conway, K.W. *, L. Rüber, H. Espinosa-Perez & P. Hastings. Phylogenetic relationships of the genus *Gobiesox*: preliminary insights from molecules and morphology. Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, July 2011. Poster Presentation.
23. Britz, R., K.W. Conway* & L. Rüber. *Paedocypris*, not a cypriniform!? An evaluation of the evidence. Part 1. Morphology. Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, July 2011. Oral Presentation.
22. Rüber, L., K.W. Conway & R. Britz*. *Paedocypris*, not a cypriniform!? An evaluation of the evidence. Part 2. Molecules Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, July 2011. Oral Presentation.
21. Conway, K.W. Adventures with Miniature Fishes. Brazos Valley Aquarium Society, May 2011. **Invited Oral Presentation.**

20. Conway, K.W. Marine Fishes Suck: a preliminary look at the phylogenetic relationships of the Gobiesocidae. TAMU Zoological Society, March 2011. Invited Oral Presentation.
19. Conway, K.W.*, R. Britz. & J. Bohlen. Using your head as a switchblade: development of the suborbital spine in Cobitidae. Joint Meeting of Ichthyologists and Herpetologists, Providence, Rhode Island, July 2010. Oral Presentation.
18. Conway, K.W. A Glimpse at the Amazing Diversity of Bony fishes. Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, February 2010. **Invited Oral Presentation.**
17. Conway, K.W. How Bizarre: Swim bladder sexual dimorphism in *Psilorhynchus*. Joint Meeting of Ichthyologists and Herpetologists, Portland, July 2009. **Stoye Award Winning Oral Presentation.**
16. Conway, K.W. Adventures with Miniature Fishes. Academy of Natural Sciences of Philadelphia, May 2009. **Invited Oral Presentation.**
15. Conway, K.W. Fishes: Inside and Out. St. Monica School, April 2009. Invited 5th grade Laboratory Presentation.
14. Konstantinidis, P.* & K.W. Conway. The dorsal- and anal-fin skeleton of the Mediterranean clingfish *Gouania wildenowi* (Risso) (Teleostei: Gobiesocidae). Joint Meeting of Ichthyologists and Herpetologists, Montreal, July 2008. Poster Presentation.
13. Siegel, D.S.*, K.W. Conway, J.G. Lundberg & R.L. Mayden. Histology of the paired-fin adhesive pads of ostariophysan fishes (Teleostei: Ostariophysi). Joint Meeting of Ichthyologists and Herpetologists, Montreal, July 2008. Poster Presentation.
12. Yang, L., K.W. Conway*, E.J. Hilton & R.L. Mayden. Evolution of the spinous dorsal- and anal-fin rays of cyprinine fishes (Ostariophysi: Cyprinidae: Cyprininae). Joint Meeting of Ichthyologists and Herpetologists, Montreal, July 2008. Poster Presentation.
11. Conway, K.W. The interopercular-preopercular articulation: a novel feature suggesting a close relationship between *Psilorhynchus* and labeonine cyprinids (Ostariophysi: Cypriniformes). Joint Meeting of Ichthyologists and Herpetologists, Montreal, July 2008. Oral Presentation.
10. Conway, K.W. New support for an old hypothesis on the phylogenetic position of the genus *Psilorhynchus* (Ostariophysi: Cyprinidae). ECI XII, XII European Congress of Ichthyology, Cavtat (Dubrovnik), Croatia, September 2007. Oral Presentation.
9. Conway, K.W.*, E.J. Hilton & L. Yang. Development of the spinous dorsal-fin ray of *Puntius semifasciolatus* (Günther) (Ostariophysi: Cyprinidae: Cyprininae). Joint Meeting of Ichthyologists and Herpetologists, St. Louis, July 2007. Poster Presentation.
8. Conway, K.W. Monophyly and Intra-relationships of the Genus *Psilorhynchus* (Ostariophysi: Cyprinidae). Joint Meeting of Ichthyologists and Herpetologists, St. Louis, July 2007. Oral Presentation.
7. Conway, K.W. Gill-arches and the phylogeny of the Order Cypriniformes (Teleostei: Ostariophysi). Biology Departmental Seminar Series, Saint Louis University, MO, December 2006. **Invited Oral Presentation.**
6. Conway, K.W.* & R.L. Mayden. The Genus *Psilorhynchus* (Ostariophysi: Cypriniformes): A morphological conundrum. 1st Special Symposium on the Biology of Cypriniformes, Wuhan, China, October 2006. Oral Presentation.
5. Conway, K.W.* & R.L. Mayden. The Neurocranium of *Psilorhynchus sucatio* and *P. baltiora*. 1st Special Symposium on the Biology of Cypriniformes, Wuhan, China, October 2006. Poster Presentation.
4. Britz, R.*, K.W. Conway, M. Kottelat & H.H. Tan. 2006. Osteology of the genus *Paedocypris* comprising some of the smallest vertebrates (Cyprinidae, Teleostei). Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2006. Oral Presentation.

3. Conway, K.W. The Systematic position of *Psilorhynchus* (Ostariophysi: Cyprinidae): evidence from gill-arch characters. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2006. Oral presentation.
2. Conway, K.W.*, R. Britz & R.L. Mayden. A Wee Croaker: Sexual Dimorphism in the Weberian Apparatus of *Sundadanio axelrodi* (Ostariophysi: Cyprinidae). Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2006. Poster Presentation
1. Conway, K.W.* & R.L. Mayden. The Phylogenetic Significance of the Gill-arches of cypriniform fishes (Actinopterygii: Ostariophysi). Mid-West Ecology and Evolution Conference, St. Louis, 18th March 2006. Poster Presentation.

AWARDS AND FELLOWSHIPS

- 11 Best Student Poster Presentation, Texas Chapter of the American Fisheries Society (awarded to Amanda Pinion and coauthors; January 2016)
10. **Dean's Outstanding Achievement Award for Early Career Research** (awarded August 2015); College of Agriculture and Life Sciences (Texas A&M University)
9. **Outstanding Undergraduate Teacher** (awarded June 2015); Department of Wildlife and Fisheries Sciences (Texas A&M University)
8. Best Student Oral Presentation, Texas Chapter of the American Fisheries Society (awarded to Kole Kubicek and coauthors; January 2014)
7. American Museum of Natural History, Lerner Grey Foundation Postdoctoral Fellowship (awarded April 2010; **\$80,000 postdoctoral fellowship**; declined in place of current faculty position).
6. Outstanding Graduate Student Research Award, Saint Louis University (awarded May 2010).
5. International Institute for Species Exploration Top ten new species of the year 2009; *Danionella dracula* Britz, Conway and Rüber 2009 (awarded January 2010).
4. American Society of Ichthyologists and Herpetologists **Stoye Award** for Best Student Oral Presentation in the General Ichthyology category (awarded July 2009).
- 3 DEEPFIN Student Exchange Scholarship (awarded November 2006; \$4000 scholarship)
- 2 Graduate Student Association of Saint Louis University Summer Scholarship (awarded May 2006; \$500 scholarship).
1. National Environmental Research Council (UK) Advanced M.Sc. Studentship (awarded September 2003; £20,000 [~\$30,000] scholarship).

EXTERNAL RESEARCH GRANTS

12. **\$8925.00** NOAA Texas Sea Grant Minibus: Genetic Repository for Gulf of Mexico Fishes. – Awarded August 2015.
13. **\$204,432** NSF: CSBR: Ownership Transfer: Rehabilitation and digitization of a significant collection of amphibians, reptiles, and fishes through institutional networking – Awarded May 2015.
11. **\$12,750** Subcontract “Identification of larval minnows” on “Flow Dependent Species: Life History and Habitat Associations in Texas Gulf Coast rivers” to K. Winemiller. Texas Parks and Wildlife – Awarded January 2014.
10. **\$67,083** “On the brink yet under the radar: rapid conservation genetic assessment of the highly imperiled Rio Grande shiner (*Notropis jemezianus*) and development of management tools”. Texas Parks and Wildlife Traditional Section Six Award – Awarded August 2014.
9. **\$282,466** NSF Collaborative Research: An Integrative Approach to the Performance and Evolution of High Performance Suctorial Disks in Fishes. – Awarded April 2013.
8. **\$6,593** NOAA Texas Sea Grant Minibus: Genetic Repository for Gulf of Mexico Fishes. – Awarded August 2012.

7. **\$1,475** Museum of Comparative Zoology, Ernst Mayr Travel Grant in Animal Systematics – Awarded December 2010.
6. **£907** (= \$1,474) Systematics Association (UK) Systematics Research Fund to work on torrent minnow biogeography – Awarded April 2009.
5. **\$11,898** National Science Foundation (NSF) Doctoral Dissertation Improvement Grant: Phylogenetics and Biogeography of the Genus *Psilorhynchus* (Ostariophysi: Cypriniformes) – Awarded March 2008.
4. **\$910** Field Museum of Natural History Visiting Scholars Grant to work on *The 'Spines' of Cyprinine fishes (Ostariophysi: Cyprinidae)* – Awarded November 2006.
3. **\$4,000** DEEPFIN Student Exchange grant to work on the *Systematic Position of Psilorhynchus* – Awarded November 2006.
2. **\$1,250** American Museum of Natural History Collections Study Grant to work on *Osteology of Miniature African Cyprinids (Ostariophysi: Cyprinidae)* – Awarded January 2005.
1. **£100** (= \$162) Adrian Ashby-Smith Memorial Trust - Young Persons Scientific Exploration Grant – Awarded March 2002.

INTERNAL UNIVERSITY RESEARCH FUNDING AND GRANTS

7. **\$3,165** Department of Wildlife and Fisheries Sciences Undergraduate Research support funds – Awarded January 2016.
6. **\$2,750** Department of Wildlife and Fisheries Sciences Undergraduate Research support funds – Awarded January 2015.
5. **\$1,750** Department of Wildlife and Fisheries Sciences Undergraduate Research support funds – Awarded August 2014.
4. **\$5,400** TAMU Classroom Instructional Technology Matching Grant – Awarded January 2013.
3. **\$23,974** TAMU CONACYT Collaborative Research Grants Program – Awarded December 2012.
2. **\$1,750** Department of Wildlife and Fisheries Sciences Undergraduate Research support funds – Awarded February 2012.
1. **\$1,350** Department of Wildlife and Fisheries Sciences Undergraduate Research support funds – Awarded February 2012.

NATURAL HISTORY CURATORIAL EXPERIENCE

2010 – present: **Biodiversity Research and Teaching Collections (BRTC), Texas A&M University**

- **2010 – present:** Faculty Curator of Fishes. Oversight of large University collection of fishes (~800,000 individual specimens; ~52,000 lots), including aspects of specimen curation, utilization and acquisition, supervision of collection management staff, financial procurement, collection enhancement and visibility.
- **2012:** Established genetic repository for fishes at BRTC with support from Sea Grant Texas (**\$6,593** in 2012; continuing support of **\$8925** in 2015). ~4,000 tissues and vouchers incorporated into BRTC to date since 2012.
- **2015 (ongoing):** Incorporation of West Texas A&M collection of fishes, amphibians and reptiles (~45,000 specimens) into BRTC with funding from NSF (**\$204,432**; L. Fitzgerald, PI).

- **2016 (ongoing):** CT scanning of BRTC ichthyological specimens (300 to date) as part of “Scan All Fishes Project” (collaboratively with A. Summers); scans freely available: <https://osf.io/ecmz4/>
- 2015 – 2016 **Auckland War Memorial Museum, Auckland, New Zealand**
- Sorting, identification and re-identification of catalogued and un-cataloged clingfishes (Gobiesocidae) (February, 2015; March, 2016).
- 2015 – 2016 **Museum of New Zealand Te Papa Tongarewa, Wellington, New Zealand**
- Sorting, identification and re-identification of catalogued and un-cataloged clingfishes (Gobiesocidae) (February, 2015; March, 2016).
- 2016 **Museum Victoria, Melbourne, Australia**
- Sorting and identification of un-cataloged clingfishes (Gobiesocidae) (February 2016).
- 2016 **Western Australian Museum, Perth, Australia**
- Sorting and identification of un-cataloged clingfishes (Gobiesocidae) (February 2016).
- 2015 **Australian Museum, Sydney, Australia**
- Sorting and identification of un-cataloged clingfishes (Gobiesocidae) (February 2015).
- 2011 **Museum of Comparative Zoology, Harvard University**
- Sorting and identification of un-cataloged clingfishes (Gobiesocidae) (March 2011).
- 2007 **Field Museum of Natural History, Chicago**
- Sorting and identification of cypriniform fishes collected in central Borneo (February 2007)
- 2005 – 2010: **Department of Biology, Saint Louis University**
- Curation of NSF Cypriniformes Tree of Life Project specimens. Electronic and physical management of alcohol and cleared and stained specimen collection (~10,000 specimens).
 - **2009:** Sorted and identified large collection (~8,000 specimens) of freshwater fishes from Nepal. Collection transferred to Kansas University Natural History Collection.
 - **2008:** Sorted and identified moderate collection (~2000 specimens) of freshwater fishes from Bangladesh. Collection transferred to University of Florida (Gainesville) Natural History Collection.
- 2004 – 2008: **Department of Zoology, Natural History Museum, London**
- **2008:** Aided sorting and identification of Myanmar Freshwater fishes collected by Dr. Ralf Britz (3 weeks in March 2008).
 - **2004:** Aided sorting and identification of Atlantic deep-sea fishes under supervision of James Maclaine (helped as needed).
 - **2004:** Collected measurements from specimens of a new species of *Rasbora* from Indonesia under supervision of Dr. Darrell Siebert.
- 2002 – 2003: **Hunterian Museum, Entomology collection, University of Glasgow.**
- **2003:** Summer volunteer. Prepared a large (~3000 specimen) collection of British hoverflies for incorporation into main collection.
 - **2002:** Summer volunteer. Sorted, pinned and identified a small (~500 specimen) collection of beetles from an Ecuadorian cloud forest reserve.

STUDENTS MENTORING

GRADUATE STUDENTS (MAJOR ADVISOR)

- **Kole Kubicek** (Ph.D., 2014-present)

Dissertation Title: Ontogeny of the catfish skeleton: descriptive osteology, homology, and heterochrony

- **Iliana Mock** (M.S., 2014-present)
Thesis Title: Ontogeny of the buccal and pharyngeal cavities in the algivorous and federally endangered Devil's River minnow, *Dionda diaboli*, with an overview of trophic adaptations for algivory in North American minnows (Teleostei: Cyprinidae)
- **Cragen King** (M.S., 2015-present)
Thesis Title: Multilocus molecular phylogenetic investigation of the clingfishes (Teleostei: Gobiesocidae)
- **Eric T. Tsakiris** 2016 Spring, Ph.D. Wildlife and Fisheries Sciences
Dissertation Title: Reproductive ecology in conservation and management of freshwater Mussels (Bivalvia: Unionidae): relocation, non-invasive techniques and environmental cues.
- **Patricia Echo-Hawk** 2015 Fall, M.S., Wildlife and Fisheries Sciences
Thesis Title: Growth and Survival of Devils River Minnow (*Dionda diaboli*) fed different diets.
- **Nicholas Bertrand** 2014 Fall, M.S., Wildlife and Fisheries Sciences
Thesis Title: Distribution and evolution of heterodonty in the ray-finned fishes (Actinopterygii)
- **Kole Kubicek** 2014 Spring, M.S., Wildlife and Fisheries Sciences
Thesis Title: Developmental osteology of two species of economically important sciaenids, *Sciaenops ocellatus* and *Cynoscion nebulosus* (Teleostei: Sciaenidae)
- **Dae-Min Kim** 2013 Fall, M.S., Wildlife and Fisheries Sciences
Thesis Title: Phylogeography of *Rhinichthys cataractae* (Teleostei: Cyprinidae): Pre-glacial colonization across the continental divide and Pleistocene diversification within the Rio Grande drainage.

GRADUATE STUDENTS (COMMITTEE MEMBER)

- Pablo Gesundheit (Ph.D. student, Texas A&M, Wildlife & Fisheries Sciences)
- Edwin O. Lopez-Delgado (Ph.D. student, Texas A&M, Wildlife & Fisheries Sciences)
- David Saenz (Ph.D. student, Texas A&M, Wildlife & Fisheries Sciences)
- Xochitl F. De La Rosa Reyna (Ph.D. student, Texas A&M, Wildlife & Fisheries Sciences)
- Maura Palacios Mejia (Ph.D. student, Texas A&M, Wildlife & Fisheries Sciences)
- Ricardo Mariño-Pérez (Ph.D. candidate, Texas A&M, Entomology)
- Adrian Castellanos (Ph.D. candidate, Texas A&M, Wildlife & Fisheries Sciences)
- Chris Holland (Ph.D. candidate, Texas A&M, Biology)
- Luke Bower (Ph.D. candidate, Texas A&M, Wildlife & Fisheries Sciences)
- Jerry Huntley (Ph.D. candidate, Texas A&M, Wildlife & Fisheries Sciences)
- Xanthe Shirley (M.S. 2016, Texas A&M, Entomology)
- Anthony Roger (M.S. 2015, Texas A&M, Wildlife & Fisheries Sciences)
- Ryan Chabarría (Ph.D. 2015, Texas A&M Corpus Christi, Marine Biology)
- Luke Tornabene (Ph.D., 2015, Texas A&M Corpus Christi, Marine Biology)
- Cameron Lane Wright (M.S., 2013, Texas A&M, Ag Leadership)
- Rebecca Pizano (M.S., 2013, Texas A&M, Wildlife & Fisheries Sciences)
- Andrew Jackson (M.S., 2012, Texas A&M, Wildlife & Fisheries Sciences)

UNDERGRADUATE STUDENT MENTORSHIP (**Bold underlined** indicates undergraduate student involved in published research; underlined indicates undergraduate student presented research at national or international meeting)

- Dayvion Adams (25), Anita Boggs (26), Luke Chambless (27), Sarah Coe (28), Colton Cooper (29), Wendy Diaz (30), Brent Gobel (31), Amy Keiser (32), and Taylor Wenner (33). Summer 2016. TAMU WFSC/GEO/ENTO. Dominica Study Abroad Instructor. Students conducted individual and group projects.
- Katrina Keith (24). TAMU WFSC. Undergraduate Research. Working on otolith microchemistry in *Gobiesox cephalus*.
- Erin McGrew (23). TAMU WFSC. Undergraduate Research. Working on a taxonomic revision of *Gobiesox strumosus*.
- David Broussard (22). TAMU WFSC. Undergraduate Internship (WFSC 484).
- Grace Cunningham (17), Lauren Fann (18), Nicholas Gill (19), Katrina Keith-Hillhouse (20) & Erin McGrew (21). Summer 2015. TAMU WFSC/BIO/PLPM. Dominica Study Abroad. Dominica Study Abroad. Worked on NSF funded clingfish research for study abroad group project.
- **Amanda Pinion** (16). Spring 2015. TAMU WFSC. Undergraduate Research (WFSC 491). Working on Texas minnow project (Honors Thesis) and *Psilorhynchus* manuscript. Research published in Conway & Pinion (2016), *ZOOTAXA*, 4136: 580-592.
- Ryan O'Hanlon (15). Fall 2014. TAMU WFSC. Undergraduate Research (WFSC 491). Worked on Texas minnow project.
- Kathleen Koenig (14). Spring/Summer/Fall 2014. TAMU BIO. Undergraduate Research Volunteer. Worked on NSF funded clingfish research.
- Kaitlyn Forks (10), Melissa Hopkins (11), Sarah Veillon (12) & Whitney Ward (13). Summer 2014. TAMU WFSC. Dominica Study Abroad. Worked on NSF funded clingfish research for study abroad group project.
- Christopher Hemingson (9). Fall 2013/Spring 2014. TAMU WFSC. Undergraduate Honors Thesis. Conducted undergraduate research on TPWD funded larval minnow research. Presented research at national meeting (Spring 2014).
- Alyssa Rush. Fall 2013. TAMU WFSC. Undergraduate Research (WFSC 491). Worked on Texas minnow project.
- Ryan Cohen. Fall 2013. TAMU WFSC. Undergraduate Internship (WFSC 484). Worked on Texas minnow project.
- Alyssa Rush (7), Ryan Cohen (8), & Macaulay White. Summer 2013. TAMU WFSC. TAMU Undergraduate Research Scholars program. Worked as a group on Texas minnow project. Presented research at TAMU undergraduate research symposium.
- **Macaulay White** (6). Fall 2012/Spring 2013. TAMU WFSC. Undergraduate Research (WFSC 491). Included as coauthor on presentation at international meeting (Summer 2013). Research published in Conway et al. (2014) *PLoS ONE*, 9: e97664.
- Daniel Lay (5). Fall 2012. TAMU WFSC. Undergraduate research volunteer.
- **Laci Jezisek** (4). Fall 2011/Spring 2012. TAMU WFSC. Undergraduate intern (WFSC 484) and volunteer. Worked on Asian minnow project. Presented research at national meeting (Spring 2012). Research published in Conway et al. (2013) *ZOOTAXA*, 3686: 201-243.
- Justin Bond (1), Colton McKee (2) & Kole Kubicek (3). Spring 2011. TAMU WFSC. Undergraduate Internship (WFSC 484). Worked as a group to sort and identify larval fishes in Collection of Fishes at BRTC.

TEACHING EXPERIENCE

Texas A&M

- WFSC 300, 450, 451 Dominica Study Abroad (3 week international course in Dominica) (Summer 2016)
- WFSC 485 Directed Studies (Dominica Study Abroad seminar) (Spring 2016)
- WSFC 302 Natural History of the Vertebrates (Spring 2011-2013; Fall 2013-2016)
- WFSC 311 Ichthyology (Fall 2010-2016)
- WFSC 489/689 Down River: Biology of Gulf Coast Fishes (May 2015-2016).
- WSFC 681 Graduate Seminar (Spring 2012-2016)
- WFSC 101, invited guest lectures (2011, 2016)

Universidad Juárez Autónoma de Tabasco

- Morphology of Fishes (5 day workshop, Summer 2013)

Saint Louis University

- BIO 428 Biology of Fishes – Laboratory Teaching Assistant (Fall 2009), Guest Lecture (Fall 2009, 2005)
- BIO 434 Systematic Biology – Guest Lecture (Fall 2008)

PROFESSIONAL SERVICE

JOURNAL EDITORSHIPS

- Associate Editor for Ichthyological Exploration of Freshwaters (January 2015 – present)
- Associate Editor for the Raffles Bulletin of Zoology (September 2010 – present)
- Associate Editor for Systematics and Biodiversity (April 2011 – Present)
- Assistant Editor for Journal of Fish Biology (January 2012 – December 2014)

JOURNAL PEER-REVIEW

- Acta Zoologica
- Aqua: Journal of Ichthyology and Aquatic Biology
- Biological Invasions
- Biological Journal of the Linnean Society
- Caribbean Naturalist
- Copeia
- Emporia State Research Studies
- Environmental Biology of Fishes
- EvoDevo
- Ichthyological Exploration of Freshwaters
- Ichthyological Research
- Integrative and Comparative Biology
- Journal of Fish Biology
- Journal of Morphology
- Journal of Natural History
- Journal of Vertebrate Paleontology
- Molecular Phylogenetics and Evolution
- Nature
- Neotropical Ichthyology
- PLoS One
- The Raffles Bulletin of Zoology
- Vertebrate Paleontology
- Zoology in the Middle East
- Zoological Journal of the Linnean Society
- Zoologica Scripta
- Zootaxa

COMPETITIVE PROPOSAL REVIEW

- US National Science Foundation DEB Systematics Pre-proposal Panel member (2015)
- The Leverhulme Trust (UK) grant proposal review (2014)
- US National Science Foundation DEB Doctoral Dissertation Improvement Grant Panel member (2014)
- TAMU/CONACYT collaborative program grant proposals (2014)
- TAMU Merit Scholarship applications review (2013).
- NSF DEB grant proposal review (non-panel member) (2012, 2014, 2016)
- Texas Academy of Science Student Research Proposal Competition (2010)

AD HOC REVIEWS

- Reviewer and contributor: IUCN Himalaya freshwater fishes Red List species assessment (2010).
- Reviewer and contributor: IUCN Indo-Burma freshwater fishes Red List species assessment (2011)
- Grzimek's Animal Life Encyclopedia: Chapter on Actinopterygian fishes (2009)

UNIVERSITY SERVICE

STUDENT ORGANIZATIONS

- TAMU Aggie Aquarium Association: **Faculty Adviser**, 2013-present.
- TAMU Aggie Aquarium Association: Invited Speaker. October 2014. Invited Oral Presentation.
- TAMU Conservation Society: Ichthyology Team member, Lick Creek Park Annual Bioblitz, April 2011, 2012, 2013, 2014.
- TAMU Zoological Society: Invited Speaker. March 2011, February 2012, 2013, 2014. Invited Oral Presentation.

UNIVERSITY COMMITTEES

- TAMU IACUC AUP Review Committee member (2015-2017)
- Department of Wildlife and Fisheries Sciences Awards Committee (2015-2016).
- Department of Wildlife and Fisheries Sciences Undergraduate Curriculum Committee (2013-present).
- Department of Wildlife and Fisheries Sciences Undergraduate Fisheries Curriculum Review Committee (2012).
- Department of Wildlife and Fisheries Sciences Excellence Committee (2011).
- Department of Wildlife and Fisheries Sciences Curators Committee (2010 – present).

PROFESSIONAL SOCIETY MEMBERSHIP

- Desert Fishes Council, 2016 – present.
- Texas Chapter of the American Fisheries Society, 2014 – present.
- American Society of Ichthyologists and Herpetologists, member 2005 – present.
- Southeastern Fishes Council, 2006 – 2007.
- European Ichthyological Society, member 2004 – 2007.
- University of Glasgow Exploration Society, member 2002 –2003.
- University of Glasgow Zoological Society, member 2000 –2003.

SERVICE TO PROFESSIONAL SOCIETIES

- Texas Chapter of the American Fisheries Society, Best Student Oral Presentation at Annual meeting (judge in 2016).
- American Society of Ichthyologists and Herpetologists, Board of Governors (2012 – present)

- American Society of Ichthyologists and Herpetologists, Gibbs Award for Excellence in Systematic Ichthyology, Committee Member (2017 –2020)
- American Society of Ichthyologists and Herpetologists, Raney Student Awards Committee Chair (2016)
- American Society of Ichthyologists and Herpetologists, Raney Student Awards Committee member (2014-2016)
- American Society of Ichthyologists and Herpetologists, Best Student Oral Presentation at Annual Meeting (judge in 2011, 2012, 2014, 2015, 2016)

PUBLIC OUTREACH

- Lonestar Community College, Cypress, TX. Bay Area Scientists Seminar Series. October 2014. Invited Oral Presentation: “What can we learn from sticky fishes?”
- Greens Prairie Elementary School, College Station, TX. STEM Night. October 2014. Invited Scientist. “What can we learn from sticky fishes?” [learning booth].
- Rice University, EBIO 327 – Big Thicket Bioblitz. Undergraduate field course. October 2013, 2014, 2015. Invited Ichthyological expert.
- Blinn Community College, Bryan, TX. March 2012. Science Club Invited Speaker. Tour of Biodiversity Research and Teaching Collections.
- TexRat: Texas Parks and Wildlife invasive species Bioblitz. Participant. May 2011.
- St. Monica School, Creve Coeur, MO. April 2009. Invited 5th grade Laboratory Presentation: “Fishes: Inside and Out.” [including lecture and dissection of a trout].