

## KEVIN W. CONWAY

**Professor**, Department of Ecology and Conservation Biology  
**Faculty Curator of Fishes**, Biodiversity Research and Teaching Collections,  
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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, London, UK.  
2003 – 2004. **DIC**, Diploma of Imperial College. Imperial College, London, UK.  
1999 – 2003. **B.Sc.** (Honours) Zoology. University of Glasgow, Glasgow, UK

### POSITIONS

2025 – Present. **Professor**, Department of Ecology and Conservation Biology, Texas A&M University, College Station, TX, USA  
2019 – 2025. **Associate Professor**, Department of Ecology and Conservation Biology, Texas A&M University, College Station, TX, USA  
2017 – Present. **Research Associate**, Department of Ichthyology, Australian Museum, Sydney, Australia  
2010 – Present. **Faculty Curator of Fishes**, Biodiversity Research and Teaching Collection, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX, USA  
2016 – 2019. **Associate Professor**, 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

**RESEARCH INTERESTS** - Systematic Ichthyologist with interests in the taxonomy, phylogenetic relationships and anatomy of freshwater and intertidal marine fishes. Research questions focus on species discovery, taxonomic revisions, descriptive and functional anatomy, evolutionary relationships, biogeography and phylogeography, conservation genetics/genomics and causes of species decline.

**CURATORIAL EXPERIENCE** - 20+ years of experience in the curation of natural history material (especially ichthyological material), including traditional voucher specimen collection, fixation/preservation and storage, collection and storage of genetic material, and digital database management. 13 years of experience 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 basic ecology.

**PUBLICATIONS (graduate students underlined; undergraduate students bold underlined)**

118. Pinion, A.K., D.M. Kim, E.P. Dolan, D.S. Portnoy, G. Voelker & K.W. Conway. (in review). Phylogenetic investigation of the Sand Shiner *Notropis stramineus* (Cope, 1865), with descriptions of three new species and comments on the monophyly of the genus *Minuellus* Jordan, 1882. *Vertebrate Zoology*.

117. Kubicek, K.M., Britz, R., & K.W. Conway. (2025). Heterochrony leads to evolutionary novelty - the catfish pectoral-fin spine (Teleostei: Siluriformes). *Biology Letters*, 21: 20250038.

116. Conway, K.W., G.I. Moore & A.P. Summers. (2024). A new genus and four new species of seagrass-specialist clingfishes (Teleostei, Gobiesocidae) from temperate southern Australia (Teleostei: Gobiesocidae). *Zootaxa*, 5552: 1–66.

115. Rüber, L., Britz, R., Conway, K.W., Bista, I., McCarthy, S., Wood, J., Smith, M., Oliver, K., Howe, K. & Durbin, R. (2024). The genome sequence of the Dracula fish, *Danionella dracula* (Britz, Conway & Rüber, 2009). *Wellcome Open Research*, 9: 194.

114. Santee, N.S., Conway, K.W., Nowlin, W.H., Smith, D. & Perkin J.S. (2024). Alterations to water quality and quantity elicit similar stream fish functional trait responses in three North American rivers. *Ecological Indicators*, 169: 112917.

113. Dye, K.R., Fields, A.T., Bean, M.G., Robertson, S.M., Hollenbeck, C.M., Conway, K.W. & Portnoy, D.S. (2024). Assessment of genomic diversity within and between two cryptic shiners, *Notropis megalops* and *N. amabilis*. *Journal of Fish Biology*. <https://doi.org/10.1111/jfb.15999>.

112. Fields, A.T., Conway, K.W., Dolan, E. P., Swift, D.G., Monroe, A.A., Hollenbeck, C.M., Bean, P.T., Anderson, J.D. & Portnoy, D.S. (2024). Complete mitochondrial genomes of *Notropis oxyrhynchus* and *Notropis buccula* (Cypriniformes: Leuciscidae). *Mitochondrial DNA Part B*, 9: 1569–1574.

111. Jones, A.E., Maia, A., Conway, K.W., Webb, J.F. (2024). The Silverjaw Minnow, *Ericympba buccata*: An Extraordinary Lateral Line System and Its Contribution to Prey Detection. *Integrative and Comparative Biology*, 64: 459–479.

110. Britz, R., A.K. Pinion, K.M. Kubicek & K.W. Conway. (2024). Comment on “A Saharan fossil and the dawn of Neotropical armoured catfishes in Gondwana” by Brito et al. *Gondwana Research*, 133: 267–269.

109. Saenz, D.E., K.W. Conway & K.O. Winemiller. (2024). Distribution of cephalic electroreceptor organs in weakly electric South American knifefishes (Gymnotiformes). *Ichthyological Exploration of Freshwaters*, 31: 367–384.

108. Blackburn, D.C., Boyer, D.M., Gray, J.A., Winchester, J., Bates, J.M., Baumgart, S.L., Braker, E., Coldren, D., Conway, K.W., Davis Rabosky, A., de la Sancha, N., Dillman, C.B., Dunnum, J.L., Early, C.M., Frable, B.W., Gage, M.W., Hanken, J., Maisano, J.A., Marks, B.D., Maslenikov, K.P., McCormack, J.E., Nagesan, R.S., Pandelis, G.G., Prestridge, H.L., Rabosky, D.L., Randall, Z.S., Robbins, M.B., Scheinberg, L.A., Spencer, C.L., Summers, A.P., Tapanila, L., Thompson, C.W., Tornabene, L., Watkins-Colwell, G.J., Welton, L.J., the oVert Project Team & Stanley, E.L. (2024). Increasing the impact of vertebrate scientific collections through 3D-imaging: the openVertebrate (oVert) Thematic Collections Network. *BioScience*, 74: 169–186. (cover)

107. Fujiwara, K., H. Motomura, A.P. Summers & K.W. Conway. (2024). A new generic name for the “*Lepadichthys*” *lineatus* complex with a rediagnosis of *Discotrema*, a senior synonym of *Unguitrema*, and comments on their phylogenetic relationships (Gobiesocidae: Diademichthinae). *Vertebrate Zoology*, 74: 279–301. (cover)

106. Kubicek, K.M., Britz, R., & K.W. Conway. (2024). Comment on ‘A standardized terminology of spines in the order Siluriformes (Actinopterygii: Ostariophysi)’ by Ballen and de Pinna (2021). *Zoological Journal of the Linnean Society*, zlad159.

105. Conway, K.W. & M. Kottelat. (2023). *Physoschistura mango*, a new miniature species of loach from Myanmar (Teleostei: Nemacheilidae). *Raffles Bulletin of Zoology*, 71: 681–701.

104. Arend, W.A., R. Mangold, C. Riggins, C. Groutte, Y. Rodriguez, T.C. Heard, N. Menchaca, J. Williamson, D. McDonald, D. Daugherty, M. McGarity, K.W. Conway & J.S. Perkin. (2023). Sexual dimorphism in an invasive population of suckermouth armored catfish: Implications for management. *North American Journal of Fisheries Management*, 46: 1735–1749.

103. Hunt, E., S.C. Willis, K.W. Conway & D.S. Portnoy. (2023). Interrelationships and Biogeography of the New World pufferfish genus *Sphoeroides* (Tetraodontiformes: Tetraodontidae) inferred using ultra-conserved DNA elements. *Molecular Phylogenetics and Evolution*, 189: 107935.

102. Pinion, A.K., R. Britz, D.S. Siegel, K.M. Kubicek & K.W. Conway. (2023). The larval attachment organ of the Bowfin *Amia calva* (Amiiformes: Amiidae). *Journal of Fish Biology*, 103: 1300–1311.

101. Wicksten, M.K. & K.W. Conway. (2023). The Chirostyloidea of the Northeastern Pacific: Host Associations, Range Extensions and a New Species (Decapoda: Anomura). *Zootaxa*, 5284 (1): 167–176.

100. Britz, R, G.M.T. Mattox & K.W. Conway. (2023). The quadrate-metapterygoid fenestra of otophysan fishes, its development and homology. *Vertebrate Zoology*, 73: 35–55.

99. Campbell, M.A., E. Habibi, G.M. Auringer, M. Stephens, J. Rodzen, K.W. Conway & A.J. Finger. (2023). Molecular Systematics of Redband Trout from Genome-Wide DNA Sequencing Substantiates the Description of a New Taxon (Salmonidae: *Oncorhynchus mykiss calisulat*) from the McCloud River. *Zootaxa*, 5254: 1–29.

98. Tatarsky, R.L., Z. Guo, S.C. Campbell, H. Kim, W. Fang, J.T. Perelmuter, E.R. Schuppe, K.W. Conway, H.K. Reeve & A.H. Bass. (2022). Acoustic and postural displays in a miniature and transparent teleost fish, *Danionella dracula*. *Journal of Experimental Biology*, 225(16): jeb244585.

97. de Brito, V., R. Betancur-R, M.D. Burns, T.J. Buser, K.W. Conway, J.P. Fontenelle, M.A. Kolmann, W.T. McCraney, C.E. Thacker & D.D. Bloom. (2022). Patterns of phenotypic evolution associated with marine/freshwater transitions in fishes. *Integrative and Comparative Biology*, 62: 406–423.

96. Perkin, J.S., C.G. Montaña, B. Brandão, E. Nogueira, G. Mattox & K.W. Conway. (2022). Estimated richness and environmental correlates of miniature fish assemblages in the Rio Jacundá, Brazil. *Neotropical Ichthyology*, 20(2): e21005.

95. Fujiwara, K., K.W. Conway, A.P. Summers & H. Motomura. (2022). Rediagnosis of the monotypic genus *Lepadicyathus* Prokofiev 2005 (Gobiesocidae: Diademichthyinae) and redescription of *Lepadicyathus minor* (Briggs 1955), new combination. *Ichthyological Research*, 69: 489–504.

94. Best, A., J.S. Perkin, A.K. Pinion, H. Binkley & K.W. Conway. (2022). First record of the Gangetic swamp eel *Ophichthys cuchia* (Hamilton, 1822) from Texas (USA) based on museum vouchered material, and confirmation of a second established non-native population in the USA. *Checklist*, 18: 475–482.

93. Kubicek, K.M., R. Britz, A.K. Pinion, L. Bower & K.W. Conway. (2022). Three scleral ossicles in the Denticle herring *Denticeps clupeoides* (Clupeiformes: Denticipitidae). *Journal of Fish Biology*, 100: 852–855.

92. Fujiwara, K. & K.W. Conway. (2021). A replacement name for the acoelan flatworm genus *Rimicola* Böhmig (Acoela: Isodiametridae). *Zootaxa*, 5068: 149–150.

91. Mattox, G.M.T. & K.W. Conway (2021). Osteology of *Tucanoichthys tucano* Géry and Römer, an enigmatic miniature fish from the Amazon basin, Brazil (Teleostei: Characiformes: Characidae). *Vertebrate Zoology*, 71: 645–667.

90. Britz, R., K. W. Conway & L. Rüber (2021). The emerging vertebrate model species for neurophysiological studies is *Danionella cerebrum*, new species (Teleostei: Cyprinidae). *Scientific Reports*, 11: 18942.

89. Hunt, E.P., K.W. Conway, K. Hamilton, E.J. Hilton, K. Piller, J.J. Wright & D.S. Portnoy. (2021). Molecular Phylogenetics of the Chub Suckers (Teleostei: Catostomidae: *Erimyzon*) inferred from nuclear and mitochondrial loci. *Ichthyology and Herpetology*, 109: 626–635.

88. Conway, K.W., K. Fujiwara, A. Summers & H. Motomura. (2021). *Erdmannichthys*, a new genus of the Gobiesocidae (Teleostei: Gobiesociformes), and notes on the rare clingfish *E. aloreensis* (Allen & Erdmann, 2012), new combination. *Raffles Bulletin of Zoology*, 69: 428–437.

87. Fujiwara, K., K.W. Conway & H. Motomura. (2021). Description of a new genus and two new species of Indo-Pacific clingfishes (Gobiesocidae: Diademichthyinae) with redescription and reassignment of two species previously assigned to *Lepadichthys* Waite, 1904. *Ichthyology and Herpetology*, 109: 753–784.

86. Pavia, M., S.V. Drovetski, G. Boano, K.W. Conway, I. Pellegrino & G. Voelker. (2021). Elevation of two subspecies of the Dunnock (*Prunella modularis*) to species rank. *Bulletin of the British Ornithology Club*, 141: 199–201.

85. Fujiwara, K., K.W. Conway & H. Motomura. (2021). First record of the Kermadec Clingfish, *Flexor incus* Conway, Stewart & Summers, 2018 (Gobiesocidae), from New Caledonia and Australia. *Checklist*, 17(3): 769–773.

84. Pinion, A.K., D.S. Siegel, R. Britz, R. Martínez-García, C.A. Álvarez-González & K.W. Conway. (2021). The larval attachment organ of the Tropical Gar *Atractosteus tropicus* Gill, 1863 (Lepisosteiformes: Lepisosteidae). *Journal of Fish Biology*, 99: 418–424.

83. Conway, K.W., A. K. Pinion & M. Kottelat. (2021). Two new species of *Pethia* (Teleostei: Cyprinidae), representing sympatric species pair, from the Ayeyarwady drainage, Myanmar. *Raffles Bulletin of Zoology*, 69: 80–101.

82. Conway, K.W., K. Kubicek & R. Britz. (2021). Extreme evolutionary shifts in developmental timing establish the miniature *Danionella* as a novel model in the neurosciences. *Developmental Dynamics*, 250: 601–611. (cover)

81. Osborne, M., D.S. Portnoy, A.T. Fields, M. Bean, C.W. Hoagstrom & K.W. Conway. (2021). Under the radar: genetic assessment of Rio Grande Shiner (*Notropis jemezana*) and Speckled Chub (*Macrhybopsis aestivalis*), two Rio Grande endemic cyprinids that have experienced recent range contractions. *Conservation Genetics*, 22: 187–204.

80. Conway, K.W., C.D. King, A. P. Summers, D. Kim, P.A. Hastings, G.I. Moore, S.P. Iglésias, M.V. Erdmann, C.C. Baldwin, G. Short, K. Fujiwara, T. Trnski, G. Voelker & L. Rüber. (2020). Molecular phylogenetics of the clingfishes (Teleostei: Gobiesocidae) – implications for classification. *Copeia*, 108(4): 886–906.

79. Nokhbatolfoghai, M., K.W. Conway, L. Atherton, P. Budha, M.J. Jowers & J. R. Downie. (2020). Larval description and developmental staging of an *Amolops* species from Nepal: Phylogenetic analysis suggests the need for further taxonomic work. *Salamandra*, 56(4): 317–328.

78. Conner, M., R. Mohammed, A. Brundage & K.W. Conway. (2020). Male colour morphs in a northeastern Trinidad population of Streak Gecko, *Gonatodes vittatus* (Squamata: Gekkota: Sphaerodactylidae). *Living World, Journal of The Trinidad and Tobago Field Naturalists' Club*, 2020: 80–82.

77. Conway, K.W., M. Mateos & R.C. Vrijenhoek (2019). A new species of the livebearing fish genus *Poeciliopsis* from northern Mexico (Cyprinodontiformes: Poeciliidae). *ZooKeys*, 883: 91–118.

76. Prestridge, H.L. & K.W. Conway. (2019). TCWC – The Collection of Fishes at the Biodiversity Research and Teaching Collections, Texas A&M University. *Boletim Sociedade Brasileira de Ictiologia*, 129: 121–124.

75. George, S.D., A.K. Pinion, K.W. Conway, T.C. Heard & J.S. Perkin. (2019). Observations on habitat use of age-0 Rio Grande Blue Sucker (*Cyclopterus* sp. cf. *elongatus*). *Western North American Naturalist*, 79: 463–469.

74. Conway, K.W., G.I. Moore & A.P. Summers. (2019). A new genus and two new species of miniature clingfishes from temperate southern Australia (Teleostei: Gobiesocidae). *ZooKeys*, 864: 35–65.

73. Kubicek, K.M., A.K. Pinion & K.W. Conway. (2019). New records of the Mountain Mullet *Dajaus monticola* (Bancroft, 1834) and an overview of historical records in Texas. *Checklist*, 15: 471–478.

72. Kubicek, K.M., R. Britz & K.W. Conway. (2019). Ontogeny of the catfish stinger (Teleostei: Siluriformes). *Journal of Morphology*, 280: 339–359. (cover)

71. Pinion, A.K., S. George, J. Perkin & K.W. Conway. (2018). First record of the Conchos shiner *Cyprinella panarcys* Hubbs & Miller 1978 from the USA (Teleostei: Cyprinidae). *Checklist*, 14: 1123–1129.

70. Pinion, A.K. & K.W. Conway. (2018). Tuberculation of *Macrhybopsis hyostoma* (Teleostei: Cyprinidae). *Ichthyological Exploration of Freshwaters*, 29: 45–55.

69. Conway, K.W., A.L. Stewart & A.P. Summers. (2018). A new genus and species of clingfish from the Kermadec Islands of New Zealand (Teleostei: Gobiesocidae). *ZooKeys*, 786: 75–104.

68. Conway, K.W., O. Perrin & R. Britz. (2018). Notes on egg structure and larval development in the highly miniaturized and progenetic *Paedocypris* (Teleostei: Cyprinidae). *Raffles Bulletin of Zoology*, 66: 394–401.

67. Conway, K.W. (2018). ‘On *Psilorhynchus sucatio* and *P. nudithoracicus*’, the sequel: Unnecessary and unscientific names leads to rapid synonymization and taxonomic time wasting – A response to Arunachalam *et al.* (2018). *ZOOTAXA*, 4418: 594–600.

66. Kubicek, K.M., R. Martínez-García, C.A. Alvarez-González & K.W. Conway. (2018). Early Ontogeny of the Mexican Snook, *Centropomus poeyi* Chávez, 1961 (Teleostei: Centropomidae). *Neotropical Ichthyology*, 16(1) e170014, 2018.

65. Conway, K.W., A.L. Stewart & A.P. Summers. (2018). A new species of sea urchin associated clingfish of the genus *Dellichthys* (Teleostei: Gobiesocidae). *ZooKeys*, 740: 77–95.

64. Conway, K.W., A.L. Stewart & C.D. King. (2017). A new species of the clingfish genus *Trachelochismus* (Teleostei: Gobiesocidae) from bays and estuaries of New Zealand. *Zootaxa*, 4319: 531–549.

63. Tsakiris, E.T., C.R. Randklev, A. Blair, M. Fisher & K.W. Conway. (2017). Trait-dependent effects of translocation on performance of freshwater mussels: Implication of phenotypic variation among populations. *Aquatic Conservation: Freshwater and Marine Ecosystems*, 27: 1240–1250.

62. Conway, K.W., D.M. Kim, L. Rüber, H. Espinosa-Perez & P.A. Hastings. (2017). Molecular phylogenetics of the New World clingfish genus *Gobiesox* (Teleostei: Gobiesocidae) and the origin of a freshwater clade. *Molecular Phylogenetics and Evolution*, 112: 138–147.

61. Conway, K.W., G.I. Moore & A.P. Summers. (2017). A new genus and species of clingfish (Teleostei: Gobiesocidae) from Western Australia. *Copeia*, 105: 28–140.

60. Conway, K.W., K.M. Kubicek & R. Britz. (2017). Morphological novelty and moderate developmental truncation in the skeleton of *Barboides*, Africa's smallest vertebrates (Teleostei: Cyprinidae). *Journal of Morphology*, 278: 750–767.
59. Portnoy, D.S., S.C. Willis, E. Hunt, D.G. Swift, J.R. Gold & K.W. Conway. (2017). Molecular phylogenetics of the New World searobins (Triglidae; Prionotinae). *Molecular Phylogenetics and Evolution*, 107: 382–387.
58. Hastings, P.A. & K.W. Conway. (2017). *Gobiesox lanceolatus*, a new species of clingfish (Teleostei: Gobiesocidae) from the Los Frailes submarine canyon, Gulf of California, Mexico. *Zootaxa*, 4221: 393–400.
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: 455–469.
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*, 35: 958–973.
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 (cover).
52. Britz, R. & K.W. Conway. (2016). *Danionella dracula*, an escape from the cypriniform *Bauplan* via developmental truncation? *Journal of Morphology*, 277: 147–66 (cover).
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. (2016). Developmental osteology of *Sciaenops ocellatus* and *Cynoscion nebulosus* (Teleostei: Sciaenidae), economically important sciaenids from the western Atlantic. *Acta Zoologica*, 97: 267–301.
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 (cover).
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-glacial 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.

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## BOOK REVIEWS

1. Conway, K.W. (2020). Hamilton's Gangetic Fishes in Colour. *Copeia*. 2020(2): 436–438.

## POPULAR ARTICLES

1. Conway, K.W. (2009). Marvels in Miniature. *Practical Fishkeeping Magazine*, Bauer Active Ltd, UK. November 2009: 70–75.
2. Conway, K.W. (2021). Species Spotlight. 1. *Cyanogaster* cf. *noctivaga*. *Amazonas Magazine*, May/June 2021.

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

140. Conway, K.W. The tiny and transparent fishes of the genus *Danionella* and their rise to fame in the neurosciences. Lee Kong Chian Natural History Museum, The National University of Singapore, Singapore. June 2025. **Invited Oral Presentation.**

139. Arend, W.\* & Conway, K.W. Muddying the waters: Taxonomic revision of the Gumbo and Mud darter. Southeastern Fishes Council, Little Rock, 2024. Poster Presentation.

138. Roberts, H.C.\*, Bean, P.T., Conway, K.W, Voelker, G., Bart H.L., & Perkin, J.S. Edwards Plateau Anomaly: Morphology and Genetics of a Potentially Undescribed Catostomid, the Llano River Carpsucker (*Carpoides* sp.) of Central Texas. Joint Meeting of Ichthyologists and Herpetologists, Pittsburgh, 2024. Oral Presentation.

137. Conway, K.W. *Danionella*: “klein aber oho” [small but mighty]. 2<sup>nd</sup> International *Danionella* Meeting, Berlin, July 2024. **Invited Keynote Speaker**.

136. Mangold, R.D.\*, Ellard, J.K., Umstott, A., Kubicek, K.M., Conway, K.W., Carmen, C.G. & Perkin, J.S. Long-term changes in fish assemblage structure across the Neches River basin. Texas Chapter of the American Fisheries Society, Nacogdoches, 2024. Oral Presentation.

135. Ellard, J.K.\*, Mangold, R.D., Conway, K.W., Kubicek, K.M., Carmen, C.G., Umstott, A. & Perkin, J.S. Seventy Years of Change: Analyzing Fish Assemblage Shifts of the Upper Sabine River, Texas. Texas Chapter of the American Fisheries Society, Nacogdoches, 2024. Oral Presentation.

135. Roberts, H.C.\*, Bean, P.T., Conway, K.W, Voelker, G., Bart H.L., & Perkin, J.S. The *Carpoides* conundrum: Molecular and morphological patterns of a putative undescribed Catostomid, the Llano River Carpsucker. Texas Chapter of the American Fisheries Society, Nacogdoches, 2024. Oral Presentation.

134. Conway, K.W.\*., K. Fujiwara, K.D. Keith, A.L. Stewart, A.P. Summers & T. Trnski. Phylogenetic relationships of the New Zealand endemic clingfish Genus *Modicus* Hardy, 1893 (Teleostei, Gobiesocidae). 11<sup>th</sup> IndoPacific Fishes Conference/Australian Society for Fish Biology, Auckland, November 2023. Oral Presentation.

133. Pinion, A.K.\*, D.M. Kim & K. W. Conway. The many grains of the Sand Shiner *Notropis stramineus* (Cope, 1865). Joint Meeting of Ichthyologists and Herpetologists, Norfolk, 2023. Oral Presentation.

132. Olsen, C.\* & K.W. Conway. Anatomical Survey of the Olfactory Apparatus of the Walking Catfishes (Siluriformes: Clariidae). Joint Meeting of Ichthyologists and Herpetologists, Norfolk, 2023. Poster Presentation.

131. Conway, K.W. Systematic Ichthyology at TAMU: 2016-2023. Six Year Evaluation. Department of Ecology and Conservation Biology, Texas A&M University. College Station, April 2023. **Invited Oral Presentation**.

130. Olsen, C.\* & K.W. Conway. Anatomical Survey of the Olfactory Apparatus of the Walking Catfishes (Siluriformes: Clariidae). TAMU Ecological Integration Symposium, March 2023. Poster Presentation.

129. Clark, M.\* R. Mohammed, A. Brundage & K.W. Conway. Anuran Acapella: An Investigation of the Male Mating Call of the Whistling Frog (*Leptodactylus fuscus*) in Northeastern Trinidad. TAMU Ecological Integration Symposium, March 2023. **Award Winning Poster Presentation**.

128. Conway, K.W., G. Voelker, P. Bean, J. Anderson & D. Portnoy. The Role of Museum Collections in DNA-based studies of Biodiversity and the establishment of a regional DNA-database for TX fishes. eDNA Workshop and Symposium, University of North Texas, Denton, TX. March 2023. **Invited Oral Presentation**.

127. Conway K.W., K.M. Kubicek, L. Bower, E.W. Carson, A.K. Pinion, E.P. Hunt, & D. Portnoy. Integrative Taxonomic Investigation of *Cyprinella* sp. Nueces, a Putative Undescribed Species of Greatest Conservation Need in Texas. Texas Chapter of the American Fisheries Society, Corpus Christi, Texas. February 2023. Oral Presentation.

126. Pinion, A.K.\* & K.W. Conway. Sexual dimorphism of tuberculation patterns in *Macrhybopsis* chubs as an aid to external sex determination. Texas Chapter of the American Fisheries Society, Corpus Christi, TX. February 2023. Poster Presentation.

125. Olsen, C.\* & K.W. Conway. Anatomical Survey of the Olfactory Apparatus of the Walking Catfishes (Siluriformes: Clariidae). Texas Chapter of the American Fisheries Society, Corpus Christi, TX. February 2023. Poster Presentation.

124. Conway K.W., K.M. Kubicek, L. Bower, E.W. Carson, A.K. Pinion, E.P. Hunt, & D. Portnoy. Integrative Taxonomic Investigation of Cyprinella sp. Nueces, a Putative Undescribed Species of Greatest Conservation Need in Texas. Desert Fishes Council. St. George, Utah, November 2022. Oral Presentation.

123. Conway, K.W. The tiny and transparent fishes of the genus *Danionella* and their rise to fame in the neurosciences. School of Ocean Science and Engineering, The University of Southern Mississippi, Ocean Springs, September 2022. **Invited Oral Presentation.**

122. Inbody, T.\* & K.W. Conway. The skeleton of the smallest livebearer (*Heterandria formosa*) revealed through diaphonization and CT scanning. Joint Meeting of Ichthyologists and Herpetologists. Spokane, WA, July 2022. Poster Presentation.

121. Pinion, A.K.\*, K. Kubicek, D. Siegel, R. Britz & K.W. Conway. The larval attachment organ of the Bowfin *Amia calva* (Amiiformes: Amiidae). Joint Meeting of Ichthyologists and Herpetologists. Spokane, WA, July 2022. Poster Presentation.

120. Conway, K.W. The tiny and transparent fishes of the genus *Danionella* and their rise to fame in the neurosciences. Department of Integrative Biology, University of California, Berkeley, March 2022. **Invited Oral Presentation.**

119. Conway, K.W. The tiny and transparent fishes of the genus *Danionella* and their rise to fame in the neurosciences. Southeastern Louisiana State University, Biology Dept. Seminar Series, Hammond, February 2022. **Invited Oral Presentation.**

118. Pinion, A.K.\* & K.W. Conway. Chubs up Close and Personal: Scanning Electronic Microscopy and Histological Investigation of Unculiferous Tubercles on the Head, Body, and Fins of *Macrhybopsis* (Teleostei: Cyprinidae). National Meeting of the American Fisheries Society, Online. January 2020. Oral Presentation.

117. Dannenfelsner, C.\* & K.W. Conway. Notes on the life history of the Caribbean clingfish *Tomicodon reitzae* (Teleostei: Gobiesocidae). Texas Chapter of the American Fisheries Society, Annual Meeting, Waco. January, 2020. Poster Presentation.

116. Chandler, E.\*, K. Kubicek & K.W. Conway. Development of the trophic apparatus in three species of South American Armored Suckermouth Catfishes (Family Loricariidae). Texas Chapter of the American Fisheries Society, Annual Meeting, Waco. January, 2020. Poster Presentation. Poster Presentation.

115. Hunt, E. P., S. O'Leary, K. Piller, J. Wright, K.W. Conway\* & D. Portnoy. Molecular phylogenetics of the North American chubsuckers (Catostomidae: *Erimyzon*) based on mitochondrial and nuclear loci. Texas Chapter of the American Fisheries Society, Annual Meeting, Waco. January, 2020. Poster Presentation.

114. Castro, R.C.\*, A.K. Pinion & K.W. Conway. The Lateral-Line Canal Bearing Scales of the Ghost Shiner *Notropis buchanani* and three other species of *Notropis* (Teleostei: Cyprinidae). Poster Presentation. Texas Chapter of the American Fisheries Society, Waco. January, 2020. Poster Presentation.

113. Conway, K.W.\*, A.K. Pinion, A. Carlos & D.S. Portnoy. Comparative mitochondrial genetic investigation of three Lower Rio Grande endemic species of freshwater fishes. 51<sup>st</sup> Annual Meeting of Desert Fishes Council, Alpine, TX, November 2019. Oral Presentation.

112. Pinion, A.K.\*, D.M. Kim & K. W. Conway. Morphological investigation of the Sand Shiner *Notropis stramineus* (Cope, 1865). 51<sup>st</sup> Annual Meeting of Desert Fishes Council, Alpine, TX, November 2019. **Award Winning Poster Presentation.**

111. Pinion, A.K.\*, D.M. Kim & K. W. Conway. Phylogeography of *Notropis stramineus* (Cope, 1865). 51<sup>st</sup> Annual Meeting of Desert Fishes Council, Alpine, TX, November 2019. Oral Presentation.

110. Conway, K.W. Taxonomy of the Clingfishes (Gobiesocidae): a 260 year journey through the marine intertidal zone and beyond. The XVI European Congress of Ichthyology, Lausanne, Switzerland, September 2019. **Invited Plenary Seminar.**

109. Moreira, C. & K.W. Conway\*. Do Freshwater Hatchetfishes (Characiformes; Gasteropelecidae) "hear" with the top of their heads? The XVI European Congress of Ichthyology, Lausanne, Switzerland, September 2019. Oral Presentation.

108. Moreira, C. & K.W. Conway\*. Do Freshwater Hatchetfishes (Characiformes; Gasteropelecidae) "hear" with the top of their heads? Joint Meeting of Ichthyologists and Herpetologists. Snowbird, UT, July 2019. Oral Presentation.

107. Castro, R., A.K. Pinion & K.W. Conway. The Lateral-Line Canal Bearing Scales of the Ghost Shiner *Notropis buchanani* (Teleostei: Cyprinidae). Joint Meeting of Ichthyologists and Herpetologists, Snowbird, Utah, July 2019. Poster Presentation.

106. Kubicek, K.M., R. Britz & K.W. Conway. Sequence Heterochrony in Catfishes. Joint Meeting of Ichthyologists and Herpetologists. Snowbird, UT, July 2019. Oral Presentation.

105. Kubicek, K.M., R. Britz & K.W. Conway. Ontogeny of the Pectoral-fin Radials in Catfishes. Joint Meeting of Ichthyologists and Herpetologists. Snowbird, UT, July 2019. Oral Presentation.

104. Conway, K.W. An overview of Southern Australia's Endemic Clingfishes. Research Associate Seminar Series, Australian Museum, Sydney, March 2019. **Invited Oral Presentation.**

103. Conway, K.W.\*, A.K. Pinion, S. George & J. Perkin. First record of the Conchos shiner *Cyprinella panarcys* (Hubbs & Miller, 1978) from the mainstem of the Rio Grande along the US-Mexico border. Southern Division of the American Fisheries Society, Galveston, January, 2019. Oral Presentation.

102. Castro, R.\*, A. Pinion & K.W. Conway. The scales of Texan freshwater fishes – a pictorial atlas. Part I. Cyprinidae. Southern Division of the American Fisheries Society, Galveston, January, 2019. Oral Presentation.

101. Kubicek, K.M.\*, A. Pinion & K.W. Conway. Mountain mullet (*Agonostomus monticola*) in Texas: report of a recent encounter in the Brazos river (Washington Co.) and an overview of historical records from Texas. Southern Division of the American Fisheries Society, Galveston, January, 2019. Oral Presentation.

100. Pinion, A.\*, D.M. Kim & K.W. Conway. Phylogeography of the Sand Shiner, *Notropis stramineus* (Teleostei: Cyprinidae). Southern Division of the American Fisheries Society, Galveston, January, 2019. Oral Presentation.

99. Pinion, A.\*, D.M. Kim & K.W. Conway. Phylogeography of the Sand Shiner, *Notropis stramineus* (Teleostei: Cyprinidae). Southeastern Fishes Council Meeting, McCormick, SC, November, 2018. Oral Presentation.

98. Conway, K.W. Phylogenetic Relationships of the Clingfishes: A ten-year journey. WFSC Graduate Student Lunchtime Fall Seminar Series, Texas A&M University, College Station, August 2018, **Invited Oral Presentation.**

97. Conway, K.W.\* & D.S. Siegel. Enlarged and highly mobile male genital papilla in the miniature Southern Australian clingfishes of the genus *Parvicrepis* (Teleostei: Gobiesocidae). Joint Meeting of Ichthyologists and Herpetologists. Rochester, NY, July 2018, Poster Presentation.

96. Kubicek, K.M.\*, R. Britz & K.W. Conway. Skeletal Ontogeny of *Ictalurus punctatus*. Joint Meeting of Ichthyologists and Herpetologists. Rochester, NY, July 2018. Oral Presentation.

95. Conway, K.W. Tenacious C: Phylogenetic Relationships of the Clingfishes (Teleostei: Gobiesocidae). National University of Singapore, Department of Life Sciences. March 2018. **Invited Oral Presentation.**

94. Pinion, A\*. & Conway, K.W. Minnow tubercles: an overview and a closer look. North American Native Fishes Association conference, Young Harris, GA. (Oral Presentation).

93. Pinion, A. & Conway, K.W. Cephalic and body tuberculation of the Shoal Chub *Macrhybopsis hyostoma* (Teleostei: Cyprinidae) Southwestern Association of Naturalists meeting, San Marcos, TX, April 2018, Oral Presentation.

92. Pinion, A. & Conway, K.W. A new terminology for cranial tubercles demonstrated using multiple species and genera of North American Minnows (Teleostei: Cyprinidae). Southwestern Association of Naturalists meeting, San Marcos, TX, April 2018, Poster Presentation.

91. Conway, K.W.\* , M. Osborne, M. Bean & D. Portnoy. The plight of the Rio Grande Shiner *Notropis jemezanus* along the US-Mexico border. Texas Chapter of the American Fisheries Society, College Station, TX, January 2018, Oral Presentation.

90. Kubicek, K.M.\*, R. Britz & K.W. Conway. Developmental Osteology of the Tadpole Madtom, *Noturus gyrinus*. Texas Chapter of the American Fisheries Society. College Station, TX, January 2018, Oral Presentation.

89. Pinion, A.\* & Conway, K.W. Cephalic and body tuberculation of the Shoal Chub *Macrhybopsis hyostoma* (Teleostei: Cyprinidae). Texas Chapter of the American Fisheries Society, College Station, TX, January 2018, Oral Presentation.

88. Dang, M.\* & K.W. Conway. An undescribed species of *Parachiloglanis* (Siluriformes; Sisoridae) from Nepal. Annual Meeting of the Texas Chapter of the American Fisheries Society, College Station, January 2018. Poster Presentation.

87. Baize, V. C.\*, T. Fraser, C.B. Baldwin & K.W. Conway. Taxonomic Revision of the seagrass-dwelling clingfishes of the genus *Acyrtops* (Teleostei: Gobiesocidae). Annual Meeting of the Texas Chapter of the American Fisheries Society, College Station, January 2018. Poster Presentation.

86. Conway, K.W.\* , M. Osborne, M. Bean, & D. Portnoy. The plight of the Rio Grande shiner, *Notropis jemezanus*, in the lower Rio Grande along the Texas/Mexico border. Annual Meeting of the Texas Chapter of the American Fisheries Society, College Station, January 2018. Oral Presentation.

85. Conway, K.W. Phylogenetic Relationships of the Clingfishes. Louisiana State University, Museum Seminar Series, Baton Rouge, November 2017. **Invited Oral Presentation.**

84. Conway, K.W. Phylogenetic Relationships of the Clingfishes. Southeastern Louisiana State University, Biology Dept. Seminar Series, Hammond, November 2017. **Invited Oral Presentation.**

83. Kubicek, K.M.\*, R. Britz & K.W. Conway. Ontogeny of the pectoral spine in siluroid and loricarioid catfishes. 2nd International Symposium on Phylogeny and Classification of Neotropical Fishes, Londrina, Brazil, October 2017. Oral Presentation.

82. Conway, K.W. A Neotropical radiation of clingfishes: taxonomy and phylogenetic relationships. 2<sup>nd</sup> International Symposium on the Phylogeny and Classification of Neotropical Fishes, Londrina, Brazil, October 2017. **Invited Oral Presentation.**

81. Conway, K.W.\* , C. King & G. Moore. A wonderful radiation of cryptobenthic clingfishes along the coast of Southern Australia. 10<sup>th</sup> Indo-Pacific Fishes Conference, Tahiti, October 2017. Oral Presentation.

80. Conway, K.W.\* , K.M. Kubicek, L. Bower & E. Carson. Are Genetically Distinct Populations of the TX Endemic Plateau Shiner *Cyprinella lepida* Also Morphologically

Distinct? American Fisheries Society, Tampa, August, 2017. **Invited Oral Presentation.** In: "From Headwaters to the sea and karyotypes to genomes: a symposium in honor of John Gold".

79. Pinion, A.K.\* & K.W. Conway. A new terminology for cranial tubercles of North American minnows. Southeastern Fishes Council Meeting, Chattanooga, November 2017. Lightning Talk.
79. Pinion, A.K.\* & K.W. Conway. Tuberculation of the Shoal Chub *Macrhybopsis hyostoma* (Teleostei: Cyprinidae). Southeastern Fishes Council Meeting, Chattanooga, November 2017. Poster Presentation.
78. Mock, I.\* & K.W. Conway. An investigation of oral keratinization in North American minnows (Teleostei: Cyprinidae). Joint Meeting of Ichthyologists and Herpetologists, Austin, July 2017. Oral Presentation.
77. Pinion, A.K.\* & Conway, K.W. A new terminology for cranial tubercles demonstrated using multiple species and genera of North American Minnows (Teleostei: Cyprinidae). Joint Meeting of Ichthyologists and Herpetologists, Austin, July 2017. Poster Presentation.
76. King, C.D.\*, P.A. Hastings, A. Summers, S.P. Iglesias, & K.W. Conway. Clingfishes Tree of Life. Joint Meeting of Ichthyologists and Herpetologists. Austin, July 2017. Poster Presentation.
75. Kubicek, K.M.\*, R. Britz & K.W. Conway. Ontogeny of the pectoral spine in siluroid and loricarioid catfishes. Joint Meeting of Ichthyologists and Herpetologists, Austin, July 2017. Oral Presentation.
74. Dang, M.\* & K.W. Conway. An undescribed species of *Parachiloglanis* (Siluriformes; Sisoridae) from Nepal. Joint Meeting of Ichthyologists and Herpetologists, Austin, July 2017. Poster Presentation.
73. Conway, K.W.\* , M. Osborne, M. Bean, & D. Portnoy. The plight of the Rio Grande shiner, *Notropis jemezianus*, in the lower Rio Grande along the Texas/Mexico border. Joint Meeting of Ichthyologists and Herpetologists, Austin, July 2017. Oral Presentation.
72. King, C.D.\*, P.A. Hastings, & K.W. Conway. *Discotrema* or *Lepadichthys*: the phylogenetic position of *Lepadichthys lineatus* Briggs within the subfamily Diademichthyinae. Marine Biology Interdisciplinary Program Retreat. Corpus Christi, January 2017. Poster Presentation.
71. King, C.D.\*, & K.W. Conway. Molecular Phylogenetic Investigation of the Clingfishes. Marine Biology Interdisciplinary Program Retreat. Corpus Christi, January 2017. Oral Presentation.
70. Conway, K.W.\* , M. Osborne & D. Portnoy. The plight of the Rio Grande shiner, *Notropis jemezianus*, in the lower Rio Grande along the Texas/Mexico border. Desert Fishes Council, Albuquerque, November 2016. Oral Presentation.
69. Conway, K.W. Marvelous miniatures: extreme progenesis, remarkable novelty and bizarre sexual dimorphism in South and South East Asian minnows. Sam Houston State University, Dept. of Biology, October 2016. **Invited Seminar.**
68. Diaz, W.\* & K.W. Conway. An investigation of substrate scraping behavior in three species of Sicydiine gobies inhabiting freshwater streams on Dominica, West Indies. SACNAS, Los Angeles, October 2016. Poster Presentation.
67. McGrew, E.\*, C. Baldwin & K.W. Conway. Taxonomic revision of the western Atlantic Skilletfish *Gobiesox strumosus*. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, July 2016. Poster Presentation.
73. 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. *Pherallodus* 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. 9<sup>th</sup> IndoPacific Fishes Conference, Okinawa, June 2013. Oral Presentation.

41. Conway, K.W.\* & R. Britz. *Danionella dracula*, an escape from the cypriniform bauplan? 9<sup>th</sup> 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. Jezisek, 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 5<sup>th</sup> 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 Intrarelationships 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. Oral Presentation.
6. Conway, K.W.\* & R.L. Mayden. The Genus *Psilorhynchus* (Ostariophysi: Cypriniformes): A morphological conundrum. 1<sup>st</sup> Special Symposium on the Biology of Cypriniformes, Wuhan, China, October 2006. Oral Presentation.
5. Conway, K.W.\* & R.L. Mayden. The Neurocranium of *Psilorhynchus suctio* and *P. baltiora*. 1<sup>st</sup> 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, 18<sup>th</sup> March 2006. Poster Presentation.

**EXTERNAL COMPETITIVE RESEARCH FUNDING** (declined proposals not listed)

Total funding \$5,106,763; **Total to Program \$1,227,490**

25. **\$35,000.** TPWD State Wildlife Grant: TX-FISH-DNA: A Regionally Focused DNA Barcode Interface to Enhance Identification and Monitoring of TX Freshwater Fishes. PI. K.W. Conway; Co-PI, D. Portnoy, TAMU-CC, G. Voelker, TAMU. (**total award \$99,031**) – Awarded January 2025.
24. **\$76,400.** Texas Comptroller of Public Accounts: Conservation Genetic Management Planning for Sharpnose Shiner (*Notropis oxyrhynchus*) and Smalleye Shiner (*Notropis buccala*) with an Emphasis on Wild and Hatchery Populations. PI. D. Portnoy, TAMU-CC; Co-PI, K.W. Conway. (**total award \$261,182**) – Awarded July 2024.
23. **\$6,000.** TPWD Traditional Section Six Award: Conservation Genomics of Comanche Pupfish (*Cyprinodon elegans*). PI. D. Portnoy, TAMU-CC; Co-PI, K.W. Conway. (**total award \$64,249**) – Awarded April 2023.
22. **\$273,444.** Texas Comptroller of Public Accounts: Sabine River Freshwater Fishes Survey. PI. Joshua Perkin; Co-PIs, K.W. Conway & C. Montana. – Awarded April 2023.
21. **\$38,310.** TPWD State Wildlife Grant: TX-FISH-DNA: A regionally focused DNA barcode interface to enhance identification, monitoring, and biosecurity of TX Gulf Coast fishes. PI. K.W. Conway; Co-PI, D. Portnoy, TAMU-CC. (**total award \$99,918**) – Awarded January 2023.
20. **\$120,880.** NSF: OISE: Collaborative Research: Track 1, IRES sites: International Research Experience for Students in Freshwater Ecosystems at the Epicenter of Neotropical Biodiversity, Guiana Shield. PI. C. Montana Stephen F. Austin University; TAMU Co-PIs, K. Winemiller, K.W. Conway & L. Winemiller. – Awarded July 2022.
19. **\$4,000.** TPWD Traditional Section Six Award: Conservation Genomics of Pecos Pupfish (*Cyprinodon pecosensis*). PI. D. Portnoy, TAMU-CC; Co-PI, K.W. Conway. (**total award \$41,000**) – Awarded December 2021.
18. **\$24,333.** TPWD Traditional Section Six Award: Conservation Genomic Assessment of Imperiled Freshwater Fishes Endemic To the Pecos and Devils Rivers. PI. D. Portnoy, TAMU-CC; Co-PI, K.W. Conway. (**total award \$104,993**) – Awarded January 2022.
17. **\$205,135.** NSF DBI: Crucial upgrades to specimen storage, organization, and database management at the rapidly growing Texas A&M Collection of Fishes. PI. K.W. Conway; Co-PI, H.L. Prestridge – Awarded June 2021.
16. **\$2,227.** Hybrid Headwater Fishes. The Nature Conservancy. PI. D. Portnoy, TAMU-CC; Co-PI, K.W. Conway. (**total award \$45,000**) – Awarded October 2020.
15. **\$11,098.** TPWD State Wildlife Grant: Genomic Tools for Determining Abundance and Distribution of *Menidia clarkhubbsi*: Phase 1. PI. D. Hogan, TAMU-CC; Co-PIs, D. Portnoy, TAMU-CC and K.W. Conway. (**total award \$100,000**) – Awarded December 2019.
14. **\$130,066.00.** NSF Digitization TCN: Collaborative Research: oVert: Open Exploration of Vertebrate Diversity in 3D. PI., D. Blackburn, University of Florida, plus 16 other institutions. (**total award \$2.6 million**) – Awarded October 2017.
13. **\$8,925.00.** Texas Sea Grant Minibus: Genetic Repository for Gulf of Mexico Fishes. PI., K.W. Conway – Awarded August 2015.

12. **\$204,432.** NSF: CSBR: Ownership Transfer: Rehabilitation and digitization of a significant collection of amphibians, reptiles, and fishes through institutional networking. PI. L. Fitzgerald; Co-PIs K.W. Conway, H.L. Prestridge & T. Hibbitts. – Awarded May 2015.
11. **\$12,750.** Subcontract on “Identification of larval minnows” on “Flow Dependent Species: Life History and Habitat Associations in Texas Gulf Coast rivers” to PI. K. Winemiller. Texas Parks and Wildlife State Wildlife Grant – Awarded January 2014.
10. **\$67,083.** TPWD Traditional Section Six Award: On the brink yet under the radar: rapid conservation genetic assessment of the highly imperiled Rio Grande shiner (*Notropis jemezanus*) and development of management tools. PI. K.W. Conway; Co-PI., D. Portnoy. – Awarded August 2014.
9. **\$282,466.** NSF IOS: Collaborative Research: An Integrative Approach to the Performance and Evolution of High Performance Suctorial Disks in Fishes. PI. A. Summers, University of Washington; Co-PI. K.W. Conway. (**total award \$832,496**) – Awarded April 2013.
8. **\$6,593.** Texas Sea Grant Minibus: Genetic Repository for Gulf of Mexico Fishes. PI., K.W. Conway – 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 (received during graduate degree).
5. **\$11,898.** National Science Foundation (NSF) Doctoral Dissertation Improvement Grant: Phylogenetics and Biogeography of the Genus *Psilorhynchus* (Ostariophysi: Cypriniformes) – Awarded March 2008 (received during graduate degree).
4. **\$910.** Field Museum of Natural History Visiting Scholars Grant to work on *The 'Spines' of Cyprinine fishes (Ostariophysi: Cyprinidae)* – Awarded November 2006 (received during graduate degree).
3. **\$4,000.** DEEPFIN Student Exchange grant to work on the *Systematic Position of Psilorhynchus* – Awarded November 2006 (received during graduate degree).
2. **\$1,250.** American Museum of Natural History Collections Study Grant to work on *Osteology of Miniature African Cyprinids (Ostariophysi: Cyprinidae)* – Awarded January 2005 (received during graduate degree).
1. **£100** (= \$162). Adrian Ashby-Smith Memorial Trust - Young Persons Scientific Exploration Grant – Awarded March 2002 (received during undergraduate degree).

#### **INTERNAL COMPETITIVE RESEARCH FUNDING (declined proposals not listed)**

3. **\$20,000** TAMU-FAPESP Collaborative program. Live fast, die young in the Amazon: testing life history predictions for poorly studied and ecologically important miniature Amazonian fishes through international collaboration between TAMU and UFSCar. PI K.W. Conway, Co-PIs, J. Perkin, G. Mattox (UFSCar). – Awarded January 2019.
2. **\$5,400** TAMU Classroom Instructional Technology Matching Grant. Enhancing instruction at the Biodiversity Research and Teaching Collection: Acquisition of cutting edge digital microscopy tools for WFSC undergraduate Zoology courses. PI. K.W. Conway, Co-PI, J. Light. – Awarded January 2013.
1. **\$23,974** TAMU CONACYT Collaborative Research Grants Program. Expanding native marine fish aquaculture in the Gulf of Mexico: Unraveling the early development of the common snook (*Centropomus undecimalis*) through international collaboration. PI K.W. Conway, Co-PI D. Gatlin III, C.A. Alvarez González, R. Martinez Garcia & C. Pohlenz. – Awarded December 2012.

#### **AWARDS AND FELLOWSHIPS**

11. **Texas A&M University Association of Former Students - College Level Teaching Award.** Awarded October 2022. TAMU Associate of Former Students/College of Agriculture and Life Sciences (Texas A&M University).
10. **WoRMS Top Ten Remarkable Marine Species of 2019:** awarded for description of *Barryichthys algicola* Conway, Moore and Summers, 2019.  
[https://www.lifewatch.be/en/worms-top10-2019#Barryichthys\\_algicola](https://www.lifewatch.be/en/worms-top10-2019#Barryichthys_algicola)
9. **Australian Museum Collections Research Fellowship.** Awarded May 2018. (A\$5940 [~\$4000] fellowship).
8. **Dean's Outstanding Achievement Award for Early Career Research.** Awarded August 2015. College of Agriculture and Life Sciences (Texas A&M University)
7. **Outstanding Undergraduate Teacher** (awarded June 2015); Department of Wildlife and Fisheries Sciences (Texas A&M University).
6. American Museum of Natural History, Lerner Grey Foundation Postdoctoral Fellowship (awarded April 2010; **\$80,000 postdoctoral fellowship; declined in place of current faculty position**).
5. **Outstanding Graduate Student Research Award**, Saint Louis University (awarded May 2010).
4. **International Institute for Species Exploration Top ten new species of the year 2009; *Danionella dracula*** Britz, Conway and Rüber 2009 (awarded January 2010).
3. **American Society of Ichthyologists and Herpetologists Stoye Award** for Best Student Oral Presentation in the General Ichthyology category (awarded July 2009).
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**).

#### 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 (>870,000 individual specimens; >65,000 lots), including aspects of specimen curation, utilization, acquisition, and digitization, and supervision of collection management staff, financial procurement, collection enhancement, and visibility.

2025                   **Australian Museum, Sydney (AMS), Australia**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (March-April 2025). Funded by AMS Research Fellowship.

2024                   **Museum of Comparative Zoology (MCZ), Harvard University**

- Digitization of type material from TX freshwaters. Funded by TPWD grant (August 2024)

2019                   **Western Australian Museum (WAM), Perth, Australia**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (March 2019).

2019                   **Australian Museum, Sydney (AMS), Australia**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (February-March 2019). Funded by AMS Research Fellowship.

2018                   **Lee Kong Chian Natural History Museum (ZRC), National University of Singapore, Singapore**

- Examination of gobies (Gobiidae) and clingfishes (Gobiesocidae) (March 2018).

2015 – 2016    **Auckland War Memorial Museum (AIM), Auckland, New Zealand**

- Sorting, identification and re-identification of catalogued and uncatalogued clingfishes (Gobiesocidae) (February, 2015; March, 2016). Funded by NSF.

2015 – 2016    **Museum of New Zealand Te Papa Tongarewa (NMNZ), Wellington, New Zealand**

- Sorting, identification and re-identification of catalogued and uncatalogued clingfishes (Gobiesocidae) (February, 2015; March, 2016). Funded by NSF.

2016            **Museum Victoria (NMZ), Melbourne, Australia**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (February 2016). Funded by NSF.

2016            **Western Australian Museum (WAM), Perth, Australia**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (February 2016). Funded by NSF.

2015            **Australian Museum, Sydney (AMS), Australia**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (February 2015). Funded by NSF.

2011            **Museum of Comparative Zoology (MCZ), Harvard University**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (March 2011). Funded by MCZ Ernst Mayr Travel Grant.

2009:           **Academy of Natural Sciences of Philadelphia (ANSP), Department of Ichthyology**

- Sorting and identification of uncatalogued clingfishes (Gobiesocidae) (May 2009). Funded by ANSP/Chaplin Foundation.

2008:           **American Museum of Natural History (AMNH), Department of Ichthyology**

- Examination of African cyprinids (April 2005). Funded by NSF Congo Project (PI. M.L.J. Stiassny).

2007            **Field Museum of Natural History (FMNH), Chicago**

- Sorting and identification of cypriniform fishes collected in central Borneo (February 2007). Funded by FMNH Visiting Scholars Grant.

2005:           **American Museum of Natural History (AMNH), Department of Ichthyology**

- Examination of African cyprinids (April 2005). Funded by AMNH Collections Study Grant.

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 (KU).
- **2008:** Sorted and identified moderate collection (~2000 specimens) of freshwater fishes from Bangladesh. Collection transferred to University of Florida (Gainesville) Natural History Collection (UF).

2004 – 2008:    **Department of Zoology, Natural History Museum, London (BMNH)**

- **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 (January - May).

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.

## INTERNATIONAL FIELDWORK

15. **Trinidad and Tobago.** Texas A&M Study Abroad, mentoring of student projects and ichthyological sampling in freshwater. Three weeks. May-June 2022.
14. **Brazil.** FAPESP funded ichthyological sampling in Rio Jacunda, Pará State. Expedition lead by George Mattox. Two weeks. August 2019.
13. **Trinidad and Tobago.** Texas A&M Study Abroad, mentoring of student projects and ichthyological sampling in freshwater. Three weeks. May-June 2019.
12. **New Zealand.** NSF funded ichthyological sampling in intertidal areas. Three weeks. February 2019.
11. **Trinidad and Tobago.** Texas A&M Study Abroad, mentoring of student projects and ichthyological sampling in freshwater. Three weeks. May-June 2018.
10. **US/UK Virgin Islands.** NSF funded ichthyological sampling in intertidal areas. One week. August 2017.
9. **Dominica.** Texas A&M Study Abroad, mentoring of student projects and ichthyological sampling in freshwater. Three weeks. May-June 2016.
8. **Australia and New Zealand.** NSF funded ichthyological sampling in intertidal areas. Four weeks. February-March 2016.
7. **Dominica.** Texas A&M Study Abroad, mentoring of student projects and ichthyological sampling in freshwater. Three weeks. June 2015.
6. **Australia and New Zealand.** NSF funded ichthyological sampling in intertidal areas. Four weeks. February-March 2015.
5. **Dominica.** Texas A&M Study Abroad, mentoring of student projects and ichthyological sampling in freshwater. Three weeks. June 2014.
4. **Trinidad and Tobago.** Two week Ichthyological Expedition. Marine and freshwater sampling. July 2012.
3. **Nepal.** Three week Ichthyological Expedition to Himalayan foothills. Funded by NSF Doctoral Dissertation Improvement Grant. October-November 2008.
2. **Burkina Faso and Benin.** Two month Ichthyological Expedition. Lead by Timo Moritz. May-June 2005.
1. **Ecuador.** Two month Entomological Expedition. University of Glasgow Expedition to Ecuador. Lead by Mr. Geoff Hancock, University of Glasgow. June-August 2002.

## STUDENT MENTORING

### GRADUATE STUDENTS - MAJOR ADVISOR

- **Darcae Holmes** (MS., 2024-present; anticipated graduation December 2026).  
Thesis Title: TDB
- **Wesley Arend** (MS., 2024-present; anticipated graduation May 2026).  
Thesis Title: TDB
- **Tiffany Inbody** (Ph.D., 2018–present; part-time, anticipated graduation

Summer 2028)

Dissertation title: Beyond the Gonopodium: Development and Evolution of Sexual Dimorphism in the Livebearing Fishes (Poeciliidae)

- **Amanda Pinion** 2024 Spring, Ph.D. Ecology and Conservation Biology  
Dissertation title: Taxonomy and Phylogenetics of the *Notropis stramineus* species complex (Teleostei: Cyprinidae)
- **Rebecca Castro** 2022 May, MS, non-thesis, Ecology and Conservation Biology.
- **Kole Kubicek** 2020 Fall, Ph.D. Wildlife and Fisheries Sciences  
Dissertation Title: Ontogeny of the Catfish Skeleton: Descriptive Osteology, Homology, and Heterochrony
- **Cragen King** 2017 Fall, M.S. Marine Biology  
Thesis Title: Multilocus Molecular Phylogenetic Investigation of the Clingfishes (Teleostei: Gobiesocidae)
- **Iliana Mock** 2017 Spring, M.S. Wildlife and Fisheries Sciences  
Thesis Title: Ontogeny of the Buccal and Pharyngeal Cavities in the Algivorous and Federally Endangered Devils River Minnow, *Dionda diaboli*, with an Overview of Trophic Adaptations for Algivory in North American minnows (Teleostei: Cyprinidae)
- **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

##### CURRENT

- Madelyn Dotson (Ph.D. candidate, Texas A&M, Biology)
- Noah Santee (M.S. candidate, Texas A&M, Ecology & Conservation Biology)
- Kayla Day (M.S. candidate, Texas A&M Corpus Christi, Marine Biology)
- Robert Bretzing (M.S. candidate, Texas A&M Corpus Christi, Marine Biology)
- Tori Spencer (Ph.D. candidate, Texas A&M, Ecology and Evolutionary Biology)
- Michael Gahn (M.S. candidate, Texas A&M Galveston, Marine Biology)
- Elizabeth Hunt (Ph.D. student, Texas A&M Corpus Christi, Marine Biology)
- Vanessa Fernandez Rodriguez (Ph.D. candidate, Texas A&M Galveston, Marine Biology)

- Kendall Johnson (Ph.D. candidate, Texas A&M Corpus Christi, Marine Biology)
- Pablo Gesundheit (Ph.D. candidate, Texas A&M, Wildlife & Fisheries Sciences)
- Xochitl F. De La Rosa Reyna (Ph.D. candidate, Texas A&M, Wildlife & Fisheries Sciences)

**FORMER**

- Lindsey Elkins (M.S., 2022, Texas A&M, Ecology & Conservation Biology)
- Samuel Howard (M.S., 2022, Texas A&M, Entomology)
- Hayden Roberts (M.S., 2022, Texas A&M, Ecology & Conservation Biology)
- Stephanie George (M.S., 2019, Texas A&M, Ecology & Conservation Biology)
- David Saenz (Ph.D., 2020, Texas A&M, Wildlife & Fisheries Sciences)
- Luke Bower (Ph.D., 2019, Texas A&M, Wildlife & Fisheries Sciences)
- Edwin O. Lopez-Delgado (Ph.D., 2019, Texas A&M, Wildlife & Fisheries Sciences)
- Adrian Castellanos (Ph.D., 2019, Texas A&M, Wildlife & Fisheries Sciences)
- Elizabeth Hunt (M.S., 2018, Texas A&M Corpus Christi, Marine Biology)
- Ricardo Mariño-Pérez (Ph.D., 2018, Texas A&M, Entomology)
- Chris Holland (Ph.D., 2018, Texas A&M, Biology)
- Maura Palacios Mejia (Ph.D., 2017, Texas A&M, Wildlife & Fisheries Sciences)
- Jerry Huntley (Ph.D., 2017, 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 Chabarria (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)

- **Sabri Amrani-Khaldi** (48). Undergraduate Intern at BRTC (ECCB 491). Fall 2023.
- Maddison Clark (47). TAMU BIOL. Undergraduate research project. Trinidad and Tobago Study Abroad. Presented award winning poster at TAMU EIS 2023
- Cameron Olsen (46). Undergraduate Research (ECCB 491). Fall 2022/Spring 2023. Presented poster at TCAFS 2023, EIS 2023
- Kiley Cruse (45). Undergraduate research project. Trinidad and Tobago Study Abroad. Summer 2020 (postponed to 2021).
- Emily Chandler (44). TAMU WFSC. Undergraduate Research (WFSC 491). Fall 2019. Presented poster at TCAFS 2020.
- Chloe Dennenfelser (43). TAMU WFSC. Undergraduate research project. Trinidad and Tobago Study Abroad. Summer 2019; Undergraduate Research (WFSC 491) Fall 2019. Presented poster at TCAFS 2020.
- Kaitlyn Skinner (42). TAMU WFSC. Undergraduate research project. Trinidad and Tobago Study Abroad. Summer 2019.
- Marina Conner (41). TAMU ENTO. Undergraduate research project. Trinidad and Tobago Study Abroad. Summer 2018. Research published in **Conner et al. (2020) *Living World, Journal of the Trinidad and Tobago Naturalists' Club*, 2020: 80–82.**
- Audrey Carlos (40). TAMU WFSC. Undergraduate Research (WFSC 491) Spring 2019. Presented poster at JMIH 2019.

- Rebecca Castro (39). TAMU WFSC. Undergraduate Research (WFSC 491). Spring 2019. Fall 2019. Presented poster at TCAFS 2019; JMIH 2019; TCAFS 2020.
- Matthew Dickey (38). TAMU WFSC. Undergraduate Research (WFSC 491).
- Wendy Diaz (37). TAMU WFSC. Undergraduate research volunteer, Spring 2017. Substrate scraping behavior in gobies of the genus *Sicydium* found in Dominican streams.
- Erin McGrew (36). TAMU WFSC. Undergraduate Internship, Fall 2016. Undergraduate research volunteer, Fall 2016/Spring 2017. Investigating the diet of *Gobiesox cephalus*.
- Mindy Dang (35). TAMU WFSC. Undergraduate research volunteer Fall 2016, Undergraduate Internship, Spring 2017; poster at TCAFS meeting 2018.
- Verlon Chad Baize (34). Fall 2016, Spring 2017. TAMU WFSC. Undergraduate research volunteer. Field assistant in St. Croix; poster at TCAFS meeting 2018.
- Dayvion Adams (25), Anita Boggs (26), Luke Chambliss (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*. Summer/Fall 2016
- Erin McGrew (23). TAMU WFSC. Undergraduate Research. Working on a taxonomic revision of *Gobiesox strumosus*. Spring/Fall 2015.
- David Broussard (22). TAMU WFSC. Undergraduate Internship (WFSC 484).
- Grace Cunningham (17), Lauren Fann (18), Nicholas Gill (19), Katrina Keith (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: 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: Conway, Baldwin & **White**. (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: Conway, Dittmer, **Jazisek** & Ng. (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

- ECCB 302 Diversity and Evolution of Vertebrates (Fall 2022, Spring 2023, Spring 2024)
- ECCB 311 Ichthyology (Fall 2022, Fall 2023)
- ECCB 314/614 Down River: Biology of Gulf Coast Fishes (May 2022, 2023).
- EEBL 681 EEB Graduate Seminar (Spring 2022, Fall 2022, Spring 2023)
- WFSC 300, 450, 451 Trinidad and Tobago Study Abroad (3 week international course in Trinidad and Tobago) (Summer 2018, 2019, 2022)
- WFSC 485 Directed Studies (Trinidad and Tobago Study Abroad seminar) (Spring 2018, 2019, 2022)
- 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 2013–2019, Fall 2020 [online], Fall 2021)
- WFSC 311 Ichthyology (Fall 2010–2021)
- WFSC 314/614 Down River: Biology of Gulf Coast Fishes (May 2015–2019, 2021).
- WSFC 681 Graduate Seminar (Spring 2012–2020)
- WFSC/ECCB 101, invited guest lecture (2011, 2016, 2020, 2021, 2022)

### 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 2005, 2009)
- 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 EDITORIAL BOARD MEMBERSHIPS

- Ichthyology and Herpetology (2021 – present)
- Copeia (2018–2020)
- Vertebrate Zoology (2019 – present)

### JOURNAL PEER-REVIEW

- Acta Zoologica

- Anatomical Record
- Aqua: Journal of Ichthyology and Aquatic Biology
- Biology Letters
- Biological Invasions
- Biological Journal of the Linnean Society
- Canadian Journal of Zoology
- Caribbean Naturalist
- Copeia/Ichthyology and Herpetology
- Coral Reefs
- Emporia State Research Studies
- Environmental Biology of Fishes
- EvoDevo
- Evolution and Development
- Ichthyological Exploration of Freshwaters
- Ichthyological Research
- Integrative and Comparative Biology
- Journal of Anatomy
- Journal of Fish Biology
- Journal of Morphology
- Journal of Natural History
- Journal of the Ocean Science Foundation
- Journal of Vertebrate Paleontology
- Molecular Phylogenetics and Evolution
- Nature
- Neotropical Ichthyology
- PLoS One
- Revista Caldasia
- Systematic Biology
- The Raffles Bulletin of Zoology
- Vertebrate Zoology
- Zoology in the Middle East
- Zoological Journal of the Linnean Society
- Zoologica Scripta
- ZooKeys
- Zootaxa
- Vertebrate Zoology

#### **PROPOSAL REVIEW**

- Texas Sea Grant – grants in aid of graduate research proposal reviewer (2019, 2021)
- 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/FAPESP collaborative program grant proposals (2019)
- TAMU/CONACYT collaborative program grant proposals (2014, 2017)
- 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, 2023)

#### **AD HOC REVIEWS**

- Reviewer and contributor: IUCN Indo-Pacific and Mediterranean gobies and clingfishes Red List species assessment (Nah Trang, Vietnam, 2024)
- US National Science Foundation DEB (Systematics) ad hoc proposal review (2021)
- US National Science Foundation IOS ad hoc proposal review (2020)
- External review of Tenure packet for assistant professor; Texas A&M University Corpus Christi (2018).
- External review of promotion packet for scientific research staff: National Museum of Natural History, Smithsonian Institution (2018).
- External review of 5 year performance packet for Curator: American Museum of Natural History (2018).
- Reviewer and contributor: IUCN Indo-Burma freshwater fishes Red List species assessment (2011)
- Reviewer and contributor: IUCN Himalaya freshwater fishes Red List species assessment (2010).
- 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, 2014, 2015, 2016, 2018, 2019, 2022.
- TAMU Conservation Society: Ichthyology Team member, Lick Creek Park Annual Bioblitz, April 2011, 2012, 2013, 2014, 2021 (virtual), 2023.
- TAMU Zoological Society: Invited Speaker, 2011, 2012, 2013, 2014, 2018, 2023.

### UNIVERSITY COMMITTEES

- TAMU IACUC Committee member (2015-present).
- TAMU EEB – Seminar Committee, Chair (2021-present)
- Department of Ecology and Conservation Biology By-laws Committee (2022-present)
- Department of Ecology and Conservation Biology Undergraduate Curriculum Committee (2020-present)
- Department of Ecology and Conservation Biology Department Head Search Committee (2021, 2022)
- TAMU EEB – Graduate Recruiting and Admissions Committee (2019-2021)
- Department of Wildlife and Fisheries Sciences Undergraduate High Impact Learning Experience Committee (2018-2019).
- 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 ad-hoc Undergraduate Fisheries Curriculum Review Committee (2012).
- Department of Wildlife and Fisheries Sciences Excellence Committee (2011).
- Department of Wildlife and Fisheries Sciences Curators Committee (2010-2019).

### SERVICE TO PROFESSIONAL SOCIETIES

- American Society of Ichthyologists and Herpetologists, Board of Governors (2013–2017, 2018–2022).
- American Society of Ichthyologists and Herpetologists, Editorial Board (2018 – present)
- American Society of Ichthyologists and Herpetologists, Resolutions Committee Chair, Reader of Resolutions at Business Meeting (2019)

- American Society of Ichthyologists and Herpetologists, Gibbs Award for Excellence in Systematic Ichthyology, Committee Member (2017–2019), Chair (2019)
- 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, 2017, 2019)

#### **PUBLIC OUTREACH**

- Lick Creek Park Annual Bioblitz, April 2011, 2012, 2013, 2014, 2021 (virtual), 2023.
- "*Revival: Visualizing Natural History Specimens in Art and Science*". – Contributed to design of public exhibit; held at Reynolds Gallery, TAMU-Memorial Student center; 2 month long exhibit. May-June 2021.
- "*Open Vertebrate Exploration in 3D*" – Contributed to design of public exhibit; held at Reynolds Gallery, TAMU-Memorial Student center; 2 month long exhibit. May-June 2019.
- 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 5<sup>th</sup> grade Laboratory Presentation: "Fishes: Inside and Out." [including lecture and dissection of a trout].

#### **PROFESSIONAL SOCIETY MEMBERSHIP**

- Texas Chapter of the American Fisheries Society, 2014 – present.
- American Society of Ichthyologists and Herpetologists, 2005 – present.
- American Fisheries Society, 2018–2019.
- European Ichthyological Society, 2004–2007, 2019.
- University of Glasgow Exploration Society, 2002–2003.
- University of Glasgow Zoological Society, 2000–2003.