

J. Derek Hogan, Ph.D.

Department of Life Sciences
Texas A&M University - Corpus Christi
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Positions Held

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|----------------|---|
| 2018 - Present | Associate Professor, Department of Life Sciences, Texas A&M University - Corpus Christi, Corpus Christi, TX, USA |
| 2013 - 2018 | Assistant Professor, Department of Life Sciences, Texas A&M University - Corpus Christi, Corpus Christi, TX, USA |
| 2011 - 2013 | Post-doctoral Researcher, Center for Limnology, University of Wisconsin - Madison, Madison, WI, USA (Supervisor: Dr. Peter B. McIntyre) |
| 2009 - 2011 | Post-doctoral Researcher, Department of Ecology and Evolutionary Biology, Tulane University, New Orleans, LA, USA. (Supervisor: Dr. Michael J. Blum) |
| 2007 - 2009 | Post-doctoral Fellow, Great Lakes Institute for Environmental Research, University of Windsor, Windsor, ON, Canada. (Supervisors: Dr. Daniel D. Heath and Dr. Bryan J. Fryer) |

Education

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|------|---|
| 2007 | Ph.D., Department of Biological Sciences, University of Windsor, Windsor, ON, Canada. (Supervisor: Dr. Peter F. Sale) |
| 2001 | B.Sc., Department of Biological Sciences, Brock University, St.Catharines, ON, Canada. |

Publications

- ‡ - indicates TAMUCC graduate student author under my supervision
† - indicates TAMUCC undergraduate student author under my supervision
§ - indicates TAMUCC postdoctoral researcher under my supervision

Peer Reviewed Journal Articles - In Print/In Press

31. Hogan JA, Feagin RA, Starr G, Ross M, Lin T-C, O'Connell C, Stauffer BA, Robinson, Chapela Lara M, Xue J, Kiel Reese B, Geist SJ, Whitman ER, Douglas S, Congdon VM, Reustle JW, Smith RS, Lagomasino D, Strickland BA, Wilson SS, Proffitt CE, **Hogan JD**, Branoff BL, Armitage AR, Rush SA, Santos RO, Campos-

- Cerqueira M, Montagna PA, Erisman B, Walker L, Silver WL, Crowl TA, Wetz M, Hall N, Zou X, Pennings SC, Wang L-J, Chang C-T, Leon M, McDowell WH, Kominoski JS, Patrick CJ. (2020) A research framework to investigate ecosystem responses to tropical cyclones. *BioScience* biaa034, DOI: 10.1093/biosci/biaa034.
30. Patrick CJ, Yeager L, Armitage AR, Carvallo F, Congdon V, Dunton KH, Fisher M, Hardison A, **Hogan JD**, Hosen J, Hu X, Kiel Reese B, Kinard S, Kominoski JS, Lin X, Liu Z, Montagna PA, Pennings SC, Walker L, Weaver CA, Wetz M. (In Press). A System Level Analysis of Coastal Ecosystem Responses to Hurricane Impacts. *Estuaries and Coasts* 43: 943. DOI: 10.1007/s12237-019-00690-3
 29. Rosado O, **Hogan JD**, Lara J, Rosas R, Carrillo L, Villegas C. (2020). Gene flow between subpopulations of gray snapper (*Lutjanus griseus*) from the Caribbean and Gulf of Mexico. *PeerJ* 8: e8485, DOI: 10.7717/peerj.8485.
 28. Heim-Ballew H‡, Moody KN, Blum MJ, McIntyre PB, **Hogan JD**. (2019). Migratory flexibility in native Hawaiian amphidromous fishes. *Journal of Fish Biology* 96: 456, DOI: 10.1111/jfb.14224.
 27. Dahl KA, Portnoy DS, **Hogan JD**, Johnson JE‡, Gold JR, Patterson III WF. (2018). Genotyping confirms widespread cannibalism in northern Gulf of Mexico invasive red lionfish, *Pterois volitans*. *Biological Invasions* 20(12): 3513.
 26. Lisi P, Childress E, Gagne R, Hain E, Lamphere B, Walter R, **Hogan JD**, Gilliam J, Blum MJ, McIntyre PB. (2018). Overcoming urban stream syndrome: trophic flexibility confers resilience among Hawaiian stream fishes. *Freshwater Biology* DOI:10.1111/fwb.13091.
 25. Selwyn JD‡, Johnson JE‡, Downey-Wall AM‡, Bynam AM, Hamner RM, **Hogan JD**, Bird CE. (2017) Simulations indicate that scores of lionfish (*Pterois volitans*) colonized the Atlantic Ocean. *PeerJ* 5:e3996.
 24. Januchowski-Hartley SRS, Comoros-Raynal M, Selkoe KA, Bird CE, **Hogan JD**. (2017). Knowledge sharing about deep-sea ecosystems to inform conservation and research decisions. *FACETS* 2: 984. doi:10.1139/facets-2017-0037.
 23. Moody KN, Gagne RB, Heim-Ballew H‡, Alda F, Hain EF, Lisi P, Walter RP, Higashi GR, **Hogan JD**, McIntyre PB, Gilliam JF, Blum MJ. (2017). Invasion hotspots and ecological saturation of streams across the Hawaiian Islands. *Cybiium: international journal of ichthyology* 41:127.
 22. Usseglio P, Selwyn J‡, Downey-Wall AM‡, **Hogan JD**. (2017). Effectiveness of removals of the invasive lionfish: how many dives are needed to deplete a reef? *PeerJ* 5:e3043. DOI:10.7717/peerj.3043.
 21. **Hogan JD**, Kozdon R, Blum MJ, Gilliam JF, Valley J, McIntyre PB. (2017). Reconstructing larval performance and habitat use in a diadromous fish using otolith

increments, trace elements and oxygen isotopes. *Journal of Fish Biology* 90: 1338.
DOI:10.1111/jfb.13240.

20. Palmer G‡, **Hogan JD**, Sterba-Boatwright BD, Overath RD. (2016). Invasive lionfish (*Pterois volitans*) reduce the density but not the genetic diversity of a native reef fish. *Marine Ecology Progress Series* 558: 223.
19. Johnson JE†, Bird CE, Johnston MA, Fogg AQ, **Hogan JD**. (2016). Regional genetic structure and genetic founder effects in the invasive lionfish: comparing the Gulf of Mexico, Caribbean and North Atlantic. *Marine Biology* 163: 216
18. Alda F, Blum MJ, Gagne RB, Walter RP, **Hogan JD**, Moody K, Zink F, McIntyre PB, Gilliam JF. (2016). Colonization and demographic expansion of freshwater fauna across the Hawaiian Archipelago. *Journal of Evolutionary Biology*, 29: 2054.
17. Selwyn JD‡, **Hogan JD**, Portnoy DS, Downey-Wall AM‡, Gurski LM, Heath DD. (2016). Kin-aggregations explain chaotic genetic patchiness, a commonly observed genetic pattern, in a marine fish. *PLoS One* 11(4): e0153381.
doi:10.1371/journal.pone.0153381.
16. Oele DL, **Hogan JD**, McIntyre PB. (2015). Chemical tracking of northern pike migrations: if we restore access to breeding habitat, will they come? *Journal of Great Lakes Research*, 41: 853.
15. **Hogan JD**, MJ Blum, JF Gilliam, N Bickford, PB McIntyre. (2014). Consequences of alternative dispersal strategies in a putatively amphidromous fish. *Ecology*, 95: 2397.
14. Gagne RB, **Hogan JD**, Pracheil BM, McIntyre PB, Hain EF, Gilliam JF, Blum MJ. (2014). Spread of an introduced parasite across the Hawaiian archipelago independent of introduced hosts. *Freshwater Biology*, 60:311.
13. Pracheil BM, **Hogan JD**, Lyons J, McIntyre PB. (2014). Using hard-part microchemistry and stable-isotope techniques for conservation and management of North American freshwater fishes. *Fisheries*, 39:451.
12. Chittaro PM and **Hogan JD**. (2013). Estimates of connectivity among populations of a coral reef fish using otolith microchemistry. *Coral Reefs*, 32:341. DOI 10.1007/s00338-012-0990-0.
11. Walter RP, **Hogan JD**, Blum MJ, Gagne RB, Hain EF, Gilliam JF, McIntyre PB. (2012). Climate change and conservation of amphidromous fishes endemic to Hawaiian streams. *Endangered Species Research*, 16: 261. DOI: 10.3354/esr00404.
10. **Hogan JD**, Thiessen R, Sale PF and Heath DD. (2012). Local-retention, dispersal and fluctuating connectivity among populations of a coral reef fish. *Oecologia*, DOI: 10.1007/s00442-011-2058-1.

9. Walter RP, **Hogan JD**, Haffner GD and Heath DD. (2011). Genetic structure and connectivity among lake populations of threatened *Paratherina* sailfin silversides from Sulawesi, Indonesia. *Conservation Genetics*, 12: 1387. DOI: 10.1007/s10592-011-0238-5.
8. **Hogan JD**, Walter RP, Blum MJ. (2011). Characterization of ten novel microsatellite markers in *Awaous guamensis* with comments on cross amplification in congeners and other amphidromous fish native to Hawaii. *Conservation Genetics Resources*, 3: 275. DOI: 10.1007/s12686-010-9340-0.
7. **Hogan JD**, Thiessen RJ and Heath DD. (2010). Variability in connectivity indicated by chaotic genetic patchiness within and among populations of a marine fish. *Marine Ecology Progress Series*, 417: 263. DOI: 10.3354/meps08793.
6. **Hogan JD**, Galarza JA, Walter RP and Heath DD. (2010). Bayesian analysis of population structure and the characterization of nine novel microsatellite markers for the study of a Caribbean coral reef Gobiid (*Coryphopterus personatus*) and related taxa. *Molecular Ecology Resources*, 10: 404. DOI: 10.1111/j.1755-0998.2009.02827.x.
5. Almany GR, Connolly SR, Heath DD, **Hogan JD**, Jones GP, McCook LJ, Mills M, Pressey RL and Williamson DH. (2009) Connectivity, biodiversity and the design of marine reserve networks for coral reefs. *Coral Reefs*, 28: 339. DOI 10.1007/s00338-009-0484-x.
4. Fisher R and **Hogan JD**. (2007). Morphological predictors of swimming speed: a case study of pre-settlement juvenile coral reef fish. *Journal of Experimental Biology*, 210: 2436.
3. **Hogan JD**, Fisher R and Nolan C. (2007). Critical Swimming Speed of Settlement-Stage Coral Reef Fishes From The Caribbean: A methodological and geographical comparison. *Bulletin of Marine Science*, 80: 219.
2. Chittaro PM, **Hogan JD**, Gagnon J, Fryer BJ and Sale PF. (2006). In situ experiment of ontogenetic variability in the otolith chemistry of *Stegastes partitus*. *Marine Biology*, 149: 1227.
1. **Hogan JD** and Mora C. (2005). Experimental analysis of the contribution of swimming and drifting to the displacement of reef fish larvae. *Marine Biology* 147: 1213.

Peer Reviewed Journal Articles - In Review

1. Beeken, NS, Selwyn JD, **Hogan JD**. Determining the life history strategy of the cryptobenthic reef gobies *Coryphopterus hyalinus* and *C. personatus*. Submitted to *Marine Ecology Progress Series* #MEPS-2020-06-024.

2. Moody KN, Sherer A, O'Connor D, Heim-Ballew H, Lisi PJ, **Hogan JD**, McIntyre PB, Blum MJ. Effectiveness and outcomes of invasive species removal in Hawaiian streams. Submitted to *Biological Invasions* #BINV-D-20-00413.
3. Selwyn JD, Hunt L, Portnoy DS, **Hogan JD**. Maintenance of species boundaries within social aggregations of ecologically similar sister species. Submitted to *Molecular Ecology* MEC-20-0915.

Peer Reviewed Journal Articles - In Revision

1. Selwyn JD‡ & **Hogan JD**. Local dispersal results in kin-aggregation in a social reef fish. In Revision for *Marine Ecology Progress Series*.
2. Javaid A, Lisi PJ, **Hogan JD**, Blum MJ, McIntyre PB. Contrasting diets of stream-captured Cane Toads and American Bullfrogs in Hawai'i. Submitted to *Herpetological Review*.

Conference Proceedings - Published

1. Selwyn J‡, Downey-Wall A‡, Usseglio P, **Hogan JD**. (2014). Decadal changes in reef fish recruitment at Turneffe Atoll, Belize: before and after lionfish invasion. Proceedings of the 66th Gulf and Caribbean Fisheries Institute.

Book Chapters - Published

1. McIntyre PB, Liermann CR, Childress E, Hamann EJ, **Hogan JD**, Januchowski-Hartley SR, Koning AA, Neeson TM, Oele DL, Pracheil BM. (2014). Conservation of migratory fishes in freshwater ecosystems. In: Closs, G.P., Krkosek, M. & Olden, J.D. (eds.), *Conservation of Freshwater Fishes*. Cambridge University Press, Cambridge, UK.

Peer Reviewed Reports - Published

1. Sale PF, H Van Lavieren, MC Ablan Lagman, J Atema, M Butler, C Fauvelot, **JD Hogan**, GP Jones, KC Lindeman, CB Paris, R Steneck and HL Stewart. (2010). *Preserving Reef Connectivity: A Handbook for Marine Protected Area Managers*.

Grants, Honours and Awards

External Grants Awarded – (Hogan share in brackets for multi-institution grants)

\$100,000 PI, **Texas Parks and Wildlife Department – State Wildlife Grants**.
Genomic Tools for Determining Abundance and Distribution of
Menidia clarkhubbsi: Phase 1. (Hogan share: \$50,000)

\$784,203	Co-PI, NSF Macrosystems . Collaborative Proposal: MSB-FRA: Teleconnections Among Great Plains NEON Sites by Wind and Wing. (Hogan share: \$250,859)
\$926,680	Co-PI, NSF-DEB . Collaborative Proposal: TERRG: Thresholds in ecosystem responses to rainfall gradients. (Hogan share: \$463,340)
\$100,000	Co-PI, Texas Parks and Wildlife Department – State Wildlife Grants . Texas Coastal Plain Assessment of Freshwater Decapods. (Hogan share: \$50,000)
\$200,000	Co-PI, National Science Foundation . RAPID: Measuring the response of stream communities to a punctuated disturbance across a semi-arid to sub-humid gradient. 2017 – 2018. (Hogan share: \$66,667).
\$188, 656	Co-PI, Department of Defense, Strategic Environmental Research and Development Program (SERDP) . <u><i>Supplemental Funding to Extend Field Activities for</i></u> . Control and mitigation of aquatic invasive species in Pacific island streams. 2017 – 2018.
\$ 78,763	PI, US Department of Interior, Fish and Wildlife Service, State Wildlife Grant Program . Abundance, distribution, and genetic health of the imperiled River Goby (<i>Awaous banana</i>) in the lower Rio Grande region of Texas. 2016 – 2017.
\$1,247,148	Co-PI, Department of Defense, Strategic Environmental Research and Development Program (SERDP) . Control and mitigation of aquatic invasive species in Pacific island streams. 2015 – 2019. (Hogan share: \$271,600).
\$89,997	PI, DOC-NOAA-National Marine Fisheries Services 2014 Marine National Monument Program . Impacts of the Changing Climate on the Marianas Trench, Rose Atoll, and Pacific Remote Islands Marine National Monuments. 2014 - 2015.
\$419,259	Co-author, National Science Foundation (NSF) . MRI: Acquisition of Elemental Stable Isotope Chemistry (ESIC) Mass Spectrometer. 2013. Principle Investigators: LA Cifuentes, X Hu, M Wetz, G Stunz, TH Naehr.
\$76,591	Co-author, Department of Defense, Strategic Environmental Research and Development Program (SERDP) . Biophysical Modeling of Ocean-Stream Connectivity Across the Hawaiian Islands – Contract Supplement. Principle investigators: MJ Blum, J Gilliam, P McIntyre. 2010.

Internal Grants Awarded

\$20,000	Co-PI, Texas Comprehensive Research Fund . Effect of climate change on coastal stream ecosystems. 2017 – 2018. (PI, Chris Patrick)
\$30,000	Co-PI, Texas Research and Development Fund – Postdoctoral Research Support Program . Post-doctoral support for “Impacts of the Changing Climate on the Marianas Trench, Rose Atoll, and Pacific Remote Islands Marine National Monuments”. 2014 - 2015.
\$3,000	PI, Texas Research and Development Fund – Research Enhancement Grant . Genomic impacts of invasive lionfish on native coral reef fishes: implications for the persistence of native species. 2014 – 2015.
\$25,000	PI, Texas Research and Development Fund . Genomic impacts of invasive lionfish on native coral reef fishes: implications for the persistence of native species. 2013 – 2014.

Fellowships, Honours and Awards

\$84,000	Great Lakes Institute for Environmental Research post-doctoral fellowship, University of Windsor.
\$15,000	Ontario Graduate Scholarship for Science and Technology. 2006 – 2007.
\$15,000	Ontario Graduate Scholarship for Science and Technology. 2005 – 2006.
\$15,000	Ontario Graduate Scholarship, 2004 – 2005
\$1,000	Cyril B. Hallman Scholarship for Academic Excellence, Canterbury College, University of Windsor

Student Mentorship

Current

Jason Selwyn, Ph.D. student (MARB)
 Kendall Johnson, Ph.D. student – co-advised with F Pezold (MARB)
 Chris Groff, Ph.D. student (MARB)
 Fernando Carvallo, M.Sc. student (BIOL)
 John Johnson, M.Sc. student – co-advised w/ CE Bird (MARB)

Past

Heidi Heim-Ballew, Ph.D. student (MARB)
 Currently Adjunct Professor of Life Sciences, TAMUCC
 Nicolette Beeken, M.Sc.
 Currently pursuing career in fisheries science.

Alan Downey-Wall, M.Sc.

Currently at Northeastern University, Ph.D. program

Christopher Cross, M.Sc.

Started Ph.D. program at University of Southern Mississippi

Jason Selwyn, M.Sc.

Currently at Texas A&M University – Corpus Christi, MARB Ph.D. program

Grayce Palmer, M.Sc. – co-advised w/ RD Overath

Recently graduated from University of Washington, scientific illustration program

Patricia Cockett, M.Sc. – co-advised w/ CE Bird

Currently at Texas A&M University – Corpus Christi, CMSS Ph.D. program

Macaulay White, M.Sc. – co-advised w/ FL Pezold

Teaching

Lecturer

Summer 2019

Study Abroad: Ridges to Reefs: Coral Reef Ecology of Belize
Texas A&M University – Corpus Christi, lecturer

Spring 2019

Coral Reef Systems, Texas A&M University – Corpus Christi,
lecturer

Ecology and Evolution of Fishes, Texas A&M University –
Corpus Christi, lecturer, co-taught

Fall 2018

Ichthyology, Texas A&M University – Corpus Christi, lecturer,
co-taught

Principles of Evolution, Texas A&M University – Corpus
Christi, lecturer

Spring 2018

Coral Reef Systems, Texas A&M University – Corpus Christi,
lecturer

Ecology and Evolution of Fishes, Texas A&M University –
Corpus Christi, lecturer, co-taught

Fall 2017

Ichthyology, Texas A&M University – Corpus Christi, lecturer,
co-taught

Principles of Evolution, Texas A&M University – Corpus
Christi, lecturer

Spring 2017

Coral Reef Systems, Texas A&M University – Corpus Christi,
lecturer

	Ecology and Evolution of Fishes, Texas A&M University - Corpus Christi, lecturer, co-taught
Fall 2016	Ichthyology, Texas A&M University - Corpus Christi, lecturer, co-taught
	Marine Biology Graduate Research Seminar - Scientific Writing Course, Texas A&M University - Corpus Christi, lecturer
Spring 2016	Coral Reef Systems, Texas A&M University - Corpus Christi, lecturer
	Professional Skills for Undergraduates, Texas A&M University - Corpus Christi, lecturer
Fall 2015	Ichthyology, Texas A&M University - Corpus Christi, lecturer, co-taught
Spring 2015	Coral Reef Systems, Texas A&M University - Corpus Christi, lecturer
	Ecology and Evolution of Fishes, Texas A&M University - Corpus Christi, lecturer, co-taught
Fall 2014	Ichthyology, Texas A&M University - Corpus Christi, lecturer, co-taught
Spring 2014	Marine Biology Graduate Research Seminar - Literature Survey, Texas A&M University - Corpus Christi, lecturer
Spring 2014	Coral Reef Systems, Texas A&M University - Corpus Christi, lecturer
Fall 2013	Ichthyology, Texas A&M University - Corpus Christi, lecturer
Feb. 2008	Community Ecology, University of Windsor, guest lecturer
Fall 2004	Ichthyology, University of Windsor, co-lecturer
Summer 2004	Field Course on Biology of Tropical Fishes, University of Windsor, guest lecturer

Guest Lecturer

Advanced Concepts in Marine Population Biology and Ecology - TAMU-Galveston
Marine Ecological Processes - TAMUCC (Smee)

Community Ecology - University of Windsor
Ichthyology - University of Windsor
Field Course on Biology of Tropical Fishes - University of Windsor

Graduate Teaching Assistantships

Human Anatomy - University of Windsor
Introductory Biology - University of Windsor
Ichthyology - University of Windsor
Field Course on Biology of Tropical Fishes - University of Windsor

Workshops

Problem Based Learning - University of Windsor. Taught by: Dr. Yves Mauffette, UQAM.
Jan. 2006

Teaching Service

Undergraduate Council - Texas A&M University - Corpus Christi

Presentations

Invited Presentations

1. **SERDP Symposium**, Invited Speaker. JD Hogan et al. Aquatic Invasive Species in Pacific Island Streams. December 4th 2019.
2. **XI International Larval Biology Symposium**, Invited Plenary Speaker. JD Hogan et al. Spatial and temporal variation in aggregated larval dispersal among species and populations of coral reef fishes. August 13th 2017.
3. **Texas A&M University - Corpus Christi, Harte Research Institute**, Weekly Seminar Series. JD Hogan et al. New Insights into the lionfish invasion: ecology, impacts, and management. April 8th 2017.
4. **2nd Annual Lone Star Lionfish Symposium**. JD Hogan et al. How many lionfish were introduced to the Atlantic? February 15th 2017.
5. **Texas A&M University - Galveston**. JD Hogan et al. New Insights into the lionfish invasion: ecology, impacts, and management. September 22nd 2016.
6. **Texas A&M University - College Station**. JD Hogan et al. Variability in migration of a Hawaiian freshwater fish: causes and consequences. January 19th 2016
7. **Brock University**. JD Hogan et al. Variability in migration of a Hawaiian freshwater fish: causes and consequences. January 8th 2016

8. **Texas A&M University – Corpus Christi, Harte Research Institute**, Weekly Seminar Series. Oele DL, JD Hogan, PB McIntyre. Chemical tracking of northern pike migrations: if we restore access to breeding habitat, will they come? Mar 2014.
9. **University of Texas – Marine Science Institute**, Weekly Seminar Series. Hogan JD, PB McIntyre, MJ Blum, JF Gilliam, N Bickford. 2013. Consequences of alternative dispersal strategies in a putatively amphidromous fish. 31 Mar 2013.
10. **Texas A&M University – Corpus Christi, Harte Research Institute**, Weekly Seminar Series. Hogan JD, PB McIntyre, MJ Blum, JF Gilliam, N Bickford. 2013. Consequences of alternative dispersal strategies in a putatively amphidromous fish. 1 Mar 2013.
11. **University of Wisconsin – Madison**, Center for Limnology Seminar Series. Hogan JD, PB McIntyre, MJ Blum, JF Gilliam, N Bickford. 2013. Consequences of alternative dispersal strategies in a putatively amphidromous fish. November 2012.
12. **University of Wisconsin – Madison**, Center for Limnology Seminar Series. Hogan JD, Thiessen RJ, Sale PF, Heath DD. 2011. Local-recruitment, dispersal and fluctuating connectivity among populations of a coral reef fish. 15 Feb 2011.
13. **World Bank Coral Reef Targeted Research Program**, Capacity Building for Management Workshop, Belize City, Belize. 9 – 11 November 2009. Contributed oral presentation entitled: “Genetic tools and applications in connectivity science & coastal reef management in the Caribbean”.
14. **World Bank Coral Reef Targeted Research Program**, Connectivity Working Group Workshop, Moorea, French Polynesia. 7 – 11 March 2009. Contributed oral presentation entitled: “Self-recruitment, dispersal and fluctuating connectivity among populations of a coral reef fish”.
15. **World Bank Coral Reef Targeted Research Program**, Connectivity Working Group Workshop, Ft. Lauderdale, Florida, USA. 12 – 13 July 2008. Contributed oral presentation entitled: “Estimating connectivity in reef fishes”.
16. **World Bank Coral Reef Targeted Research Program**, Future Leaders Workshop, Brisbane, Australia. 10 – 14 December 2007. Contributed oral presentation entitled: “Tracking larval movements using recruitment surveys and otolith microchemistry”.
17. **Australian Research Council Coral Reef Connectivity Workshop**, Townsville, Australia. 13 – 16 October 2007. Contributed oral presentation entitled: “Estimating connectivity in the reef fish *Stegastes partitus*”
18. **World Bank Coral Reef Targeted Research Program**, Connectivity Working Group Workshop, Miami, Florida, USA. September 2006. Contributed oral presentation entitled: “Estimating connectivity in the reef fish *Stegastes partitus*”

Contributed Papers

- ‡ - indicates TAMUCC graduate student presentation
† - indicates TAMUCC undergraduate student presentation
* - indicates presenter

1. Selwyn JD‡, Barbosa M, Taylor C, **Hogan JD**. Flow alterations associated with changes in the fish fauna of the lower section of the Rio Grande River. Texas Chapter AFS Meeting, Waco, Texas, 25 January 2020.
2. Selwyn JD‡, Hunt L, Portnoy DS, Hogan JD. Mixed shoals of the goby species complex *Coryphopterus personatus/hyalinus* in Belize. Joint Meeting of Ichthyologists and Herpetologists 2019, American Society of Ichthyology and Herpetology, Snowbird, Utah, USA
3. O'Connor D, Heim-Ballew H‡, Moody KM, Blum MJ, McIntyre PB and **Hogan JD**. Effects of aquatic invasive species removal on populations of a native Hawaiian freshwater goby *Awaous stamineus* (Gobiodei: Oxudercidae). Joint Meeting of Ichthyologists and Herpetologists 2019, American Society of Ichthyology and Herpetology, Snowbird, Utah, USA.
4. Heim-Ballew H‡, Moody KM, McIntyre PB, Blum MJ, **Hogan JD***. Reproductive isolation and genetic differentiation between migrant and resident forms of the Hawaiian River Goby *Awaous stamineus* (Gobioidei: Oxudercidae). Joint Meeting of Ichthyologists and Herpetologists 2019, American Society of Ichthyology and Herpetology, Snowbird, Utah, USA.
5. Heim-Ballew H‡, Lisi P, Blum MJ, Gilliam JF, McIntyre PB and **Hogan JD**. Invasive species influence migration rates in a facultatively migratory fish. International Conference on Ecological Science, Rennes, France 22 October 2018.
6. **Hogan JD**, Trejo A†, Downey-Wall AM‡. Determining habitat use in juvenile lionfish: addressing the nursery hypothesis. 6th Annual International Otolith Symposium, Keelung, Taiwan 15 April 2018.
7. Heim-Ballew H‡, Blum MJ, Gilliam JF, McIntyre PB and **Hogan JD**. Lunar timing of migration patterns differ between migrant and non-migrant types of a partially migratory fish. 6th Annual International Otolith Symposium, Keelung, Taiwan 15 April 2018.
8. Selwyn JD, Johnson JE, Downey-Wall AM, Bynum AM, Hamner RM, **Hogan JD**, Bird CE. Veni vidi vici: How many lionfish came to conquer the Atlantic? Joint Meeting of Ichthyologists and Herpetologists 2018, American Society of Ichthyology and Herpetology, Rochester, New York, USA.

9. Patrick CJ*, **Hogan JD**, Kiel Reese B, Carvallo F, Gonzalez D, Kinard S, Hosen J. Short-term stream response to Hurricane Harvey along an aridity gradient. Society for Freshwater Science 2018 Annual Meeting, May 20 - 24, Detroit, Michigan. **Oral Presentation.**
10. Johnson JE†*, **Hogan JD**, Bird CE. Genetic delineation of lionfish species in the native and invaded ranges. American Fisheries Society 2017 Annual Meeting, August 20 - 24, Tampa, Florida. **Oral Presentation.**
11. **Hogan JD***, Palmer G‡, Sterba-Boatright BS, Overath RD. Invasive lionfish (*Pterois volitans*) reduce the abundance but not the genetic diversity of a native reef fish. Joint meeting of Ichthyologists and Herpetologists, July 12 - 16, 2017, Austin, Texas. **Oral presentation.**
12. Dahl, KA*, Patterson III WF, Portnoy DS, **Hogan JD**, Robertson A, Ortmann A. DNA Barcoding and Microsatellite Genotyping Confirm Cannibalism in Northern Gulf of Mexico Invasive Lionfish, *Pterois volitans*. Joint meeting of Ichthyologists and Herpetologists, July 12 - 16, Austin, Texas. **Oral presentation.**
13. Selwyn JD*‡, Usseglio P, **Hogan JD**. 2017. Fine-scale microhabitat usage of a putative habitat generalist reef dwelling goby, *Coryphopterus personatus*. Joint meeting of Ichthyologists and Herpetologists, July 12 - 16, Austin, Texas.
14. Selwyn JD*‡, Usseglio P, Downey-Wall AM‡, **Hogan JD**. 2017. Effectiveness of removals of the invasive lionfish: how many dives are needed to deplete a reef? 2017 Texas Chapter AFS Annual Meeting, Corpus Christi, Texas, USA. **Oral presentation.**
15. Selwyn JD*‡, Johnson JE†, Bynum AM, Downey-Wall AM‡, **Hogan JD**, Bird CE. 2016. How many lionfish was it really? 6th Annual MSGSO Student Research Forum, Corpus Christi, Texas, USA. **Oral presentation.**
16. **Hogan JD***, Downey-Wall A‡. 2016. Self-recruitment in the rapidly spreading invasive lionfish *Pterois volitans*: implications for population control. 13th International Coral Reef Symposium, Honolulu, Hawaii. **Oral presentation.**
17. Johnson JE†*, Bird CE, Johnston MA, Fogg AQ, **Hogan JD**. 2016. Connectivity among populations of the invasive lionfish (*Pterois volitans*) in the Atlantic, Caribbean and Gulf of Mexico. 13th International Coral Reef Symposium, Honolulu, Hawaii. **Oral presentation.**
18. Selwyn JD‡*, **Hogan JD**. 2016. You don't have to go far but you can't stay here: Viscous populations and kin-aggregations as a bet-hedging dispersal strategy. 13th International Coral Reef Symposium, Honolulu, Hawaii. **Oral presentation.**
19. Heim-Ballew H‡*, McIntyre PB, Blum MJ, Gilliam JF, Bickford N and **Hogan JD**. 2016. Oceanographic and Climate Effects on Migratory Propensity of a Hawaiian

Freshwater Fish. American Fisheries Society Annual Meeting, Kansas City, Missouri.
Oral presentation.

20. Palmer G‡, **Hogan JD***, Overath RD. 2015. Invasive lionfish (*Pterois volitans*) reduce the abundance but not the genetic diversity of a native reef fish. 68th Annual Gulf and Caribbean Fisheries Institute Conference, Panama City, Panama.
21. **Hogan JD***, Lisi PJ, McIntyre PB, Blum MJ, Gilliam JF, Bickford N. 2015. Variability in migration of an amphidromous goby (Gobiidae): causes and consequences. Joint Meeting of Ichthyologists and Herpetologists, Reno, Nevada.
22. Selwyn JD‡*, Portnoy D, Heath DD, **Hogan JD**. 2015. Kin aggregations explain a commonly observed genetic pattern in a marine fish species. Joint Meeting of Ichthyologists and Herpetologists, Reno, Nevada.
23. Downey-Wall A‡*, Selwyn JD‡, **Hogan JD**. 2015. Examination of habitat utilization patterns and source-sink dynamics in the Indo-Pacific lionfish, *Pterois volitans*, for insights into habitat-specific targeted removal. Joint Meeting of Ichthyologists and Herpetologists, Reno, Nevada.
24. Johnson JE†*, Bird CE, Johnston MA, Fogg AQ, **Hogan JD**. 2015. Genetic composition of invasive lionfish throughout the Atlantic. Joint Meeting of Ichthyologists and Herpetologists, Reno, Nevada.
25. Johnson JE†*, Johnston MA, **Hogan JD**. 2014. Genetic composition of invasive lionfish at the Flower Garden Banks National Marine Sanctuary. 43rd Annual Benthic Ecology Meeting, Jacksonville, Florida.
26. **Hogan JD***, McIntyre P, Blum MJ, Gilliam JF, Bickford N. 2014. Consequences of alternative dispersal strategies in a putatively amphidromous fish. Ocean Sciences Meeting, Honolulu, Hawaii.
27. **Hogan JD***, McIntyre P, Blum MJ, Gilliam JF, Bickford N. 2014. Consequences of alternative dispersal strategies in a putatively amphidromous fish. 43rd Annual Benthic Ecology Meeting, Jacksonville, Florida.
28. Selwyn J‡*, **Hogan JD**, Downey-Wall A‡, Usseglio P. 2013. Decadal changes in reef fish recruitment at Turneffe Atoll, Belize: before and after lionfish invasion. Gulf and Caribbean Fisheries Institute Annual Conference, Corpus Christi Texas.
29. Downey-Wall A‡*, Selwyn J‡, Usseglio P, **Hogan JD**. 2013. Characterization of diet composition of the lionfish, *Pterois volitans*, in Turneffe Atoll, Belize. Gulf and Caribbean Fisheries Institute Annual Conference, Corpus Christi Texas.
30. Smith BR†*, **Hogan JD**. 2013. Variation in lionfish behavior in response to depth, group size, and time-of-day at Bocas del Toro, Panama. Ecological Society of America Conference, St. Paul Minnesota. **Poster presentation.**

31. **Hogan JD**, Hartley FA, Sale PF, Heath DD. 2012. Local retention, self-recruitment and the persistence of coral reef fish populations. 12th International Coral Reef Symposium, Cairns, Queensland, Australia. **Oral presentation.**
32. Oele D*, McIntyre PB, **Hogan JD**. Assessing Natal Homing Tendencies of Northern Pike Using Otolith Micro-Chemistry. 142nd Annual American Fisheries Society Meeting, Minneapolis, MN, USA. **Oral Presentation.** * indicates presenter.
33. Gagne RB*, **JD Hogan**, MJ Blum, BM Pracheil, PB McIntyre, EF Hain, JF Gilliam. 2012. Spread of an introduced parasite among populations of an endemic Hawaiian stream fish. Morris Animal Foundation, Wildlife Meeting. Orlando, FL. **Poster presentation.** * indicates presenter.
34. **Hogan, J.D.**, Walter, R.P., Gagne, R.B., Blum, M.J., Lindstrom, D.P and J.F. Gilliam. 2011. Broad- and fine-scale population differentiation in *Awaous guamensis*. Evolution of life on Pacific islands and reefs: past, present and future, Manoa, Hawaii, USA. **Oral presentation.**
35. **Hogan, J.D.**, R.J. Thiessen, P.F. Sale and D.D. Heath. 2009. Self-recruitment, dispersal and fluctuating connectivity among populations of a coral reef fish. 33rd Annual Larval Fish Conference, Portland, Oregon, USA. **Oral presentation.**
36. **Hogan, J.D.**, J.A. Galarza, S. Ludsins, D.D. Heath and B.J. Fryer. 2009. Identifying larval cohorts and dispersal pathways in a coral reef fish using otolith microchemistry. 33rd Annual Larval Fish Conference, Portland, Oregon, USA. **Poster presentation.**
37. **Hogan, J.D.**, R.J. Thiessen, P.F. Sale and D.D. Heath. 2009. Connectivity among populations of a demersal marine fish. Canadian Conference for Fisheries Research, Ottawa, Ontario, Canada. **Oral presentation.**
38. **Hogan, J.D.**, R.J. Thiessen and D.D. Heath. 2008. Spatial and temporal instability in the genetic structure of adult and juvenile bicolor damselfish (*Stegastes partitus*) within the Mesoamerican barrier reef system. 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, USA. **Oral presentation.**
39. Chittaro, P.M.* and **J.D. Hogan**. 2008. Fishy chronology: using the chemical chronology of otoliths to investigate shared environments among reef fish. 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, USA. * indicates presenter. **Oral presentation.**
40. Fisher, R.* , **J.D. Hogan**, and P.F. Sale. 2005. The scales of recruitment of Caribbean reef fishes. 90th annual meeting of the Ecological Society of America, Montreal, QC, Canada. * indicates presenter. **Oral presentation.**

41. **Hogan, J.D.**, R. Fisher, P. Usseglio, C. Mora, P.M. Chittaro, M. Smith and P.F. Sale. 2005. The scales of recruitment of Caribbean reef fishes. Benthic Ecology Meeting, Williamsburg, VA, USA. **Oral presentation.**
42. **Hogan, J.D.** and C. Mora. 2004. Experimental analysis of the contribution of swimming and drifting to the displacement of reef fish larvae. 10th International Coral Reef Symposium, Okinawa, Japan. **Oral presentation.**
43. **Hogan, J.D.**, W.E. Thompson, P. Usseglio, P.M. Chittaro, C. Mora, J.P. Kritzer and P.F. Sale. 2003. ECONAR: Ecological CONnections Among Reefs. Benthic Ecology Meeting, Mystic, CT, USA. **Poster presentation.**
44. **Hogan, J.D.** and K.M. Brown. 2001. Estimating age and predicting fledging success of Laughing Gull chicks at Jamaica Bay Wildlife Refuge. 25th Annual Meeting of the Waterbird Society, Niagara Falls, ON, Canada. **Oral presentation.**

Service

Departmental Service

Program Coordinator, MS BIOL Program Fall 2018 - Present

Tri-Beta Honors Biology Club, Faculty Mentor Fall 2014 - Present

GRAC Committee Member, representative for the MARB program Fall 2017 (3 yrs)

Graduate Programs Committee Member

MARB & CMSS Ph.D. programs

FAMA & BIOL MS programs

College Service

Genomics Core Facility Board Member, Spring 2013 - Present

BIOL 5-year BS/MS Program Committee Chair, Spring 2016 - Fall 2016.

University Service

Undergraduate Council, Fall 2017 - May 2019 and Fall 2014 - May 2016

Diving Control Board Member, Fall 2013 - Present

Island Day - "Touch of Class" Presenter, Fall 2014, Fall 2015

Graduate Student Committee Membership

Current

* - Thesis Advisor

**** - Thesis co-Advisor**

*Ph.D. Jason Selwyn, MARB Program
Ph.D. Luz Lopez-DeMesa, MARB Program
Ph.D. Dominic Swift, MARB Program
**Ph.D. Kendall Johnson, MARB Program
*Ph.D. Chris Groff, MARB Program
MSc. Aline Trejo, FAMA Program
MSc. Bea DiBona, BIOL Program
MSc. Ethan Talbee, FAMA Program
*MSc. Fernando Carvallo, BIOL Program
MSc. Martin French, BIOL Program
MSc. Mike Curtis, FAMA Program
MSc. Natalie Beeken, FAMA Program
Ph.D. Nicole Elledge, MARB Program

Past

Ph.D. David Boseto, MARB Program
Ph.D. Luke Tornabene, MARB Program
Ph.D. Avery Sherer, MARB Program
Ph.D. Ivy McLellan, MARB Program
Ph.D. Lauren Gurski, MARB Program
Ph.D. Patricia Cockett, CMSS Program
*MSc. Jason Selwyn, MARB Program
*MSc. Alan Downey-Wall, MARB Program
*MSc. Chris Cross, BIOL Program
**MSc. Patricia Cockett, MARB Program
**MSc. Grayce Palmer, FAMA-MI Program
MSc. Pavel Dimens, FAMA Program
MSc. Macaulay White, MARB Program
MSc. Yer Lor, MARB Program
MSc. Charles Downey, MARB Program
MSc. Matt Hodanbosi, MARB Program
**MSc. John Johnson, MARB Program
*MSc. Nicolette Beeken, FAMA Program
MSc. Shantel Sweirec, BIOL Program
MSc. Louisa Torrence, FAMA Program
MSc. Jennifer Whitt, BIOL Program
*Ph.D. Heidi Ballew, MARB Program

Service to past universities:

Sep. 2005 - Dec. 2006	Member, Undergraduate Curriculum Committee, Department of Biological Sciences, University of Windsor
Sep. 2005 - Apr. 2007	Member, Department of Biology Graduate Students Association, University of Windsor

Professional Service

Conference Session Chair

Ocean Sciences Meeting 2014, Examining connectivity in marine populations from unicells to metazoans, using novel and integrated approaches, February 2014.

Peer-Reviewer

Funding agencies: National Science Foundation, National Geographic Society, Texas Sea Grant, North Pacific Research Board, NOAA

Agency management plans: NOAA National Marine Sanctuaries Lionfish Response Plan

Journals: Oecologia, Molecular Ecology, Biological Conservation, Canadian Journal of Fisheries and Aquatic Sciences, Oikos, Copeia, Estuarine, Coastal and Shelf Science, Coral Reefs, Marine Ecology Progress Series, Marine Biology, Gulf and Caribbean Research, Regional Studies in Marine Science, Ecology of Freshwater Fishes, Aqua

Professional Societies

American Society of Ichthyologists and Herpetologists, member, 2015 - present

International Society for Reef Studies, member, 2017 - present

Canadian Society for Ecology and Evolution, member, 2017 - 2018