

Dr. Christopher E. Bird

Texas A&M University-Corpus Christi
Science & Engineering, Life Sciences

Office: Center for the Sciences 246, Office Phone: (361) 825-6024, Email: chris.bird@tamucc.edu

Education

I was enrolled in Chemical Engineering and changed to Biology. I transferred to UConn after 1 year., Georgia Institute of Technology.

PhD, University of Hawai'i at Manoa, 2006.

BS, University of Connecticut, 1997.

Licensures and Certifications

Open Water SCUBA, PDIC. (1995 - Present).

Small Craft Operator, United States Power Squadrons. (1990 - Present).

Professional Employment

Adjunct Faculty, Hawai'i Institute of Marine Biology, Kāne'ohe, HI. (2012 - Present).

Assistant Professor, Texas A & M University-Corpus Christi, TX. (2012 - Present).

Researcher and professor in marine molecular ecology, evolution and conservation

PostDoctoral Fellow, Hawaii Institute of Marine Biology. (January 2007 - August 2012).

PostDoctoral Training

Graduate Research Assistant, Botany Department, University of Hawai'i at Mānoa, Honolulu, HI. (2001 - 2006).

Computer Instructor, Leeward Community College. (January 1999 - August 1999).

Taught courses on using Microsoft Windows computers and productivity software like Microsoft Word and Excel.

Research Assistant, Brown University. (March 1998 - July 1998).

Salt marsh community ecology experimental set up with Dr Mark Bertness.

Research Assistant, Roger Williams Hospital. (June 1997 - July 1998).

Coordinate and conduct scientific experiment on human subjects in both laboratory and naturalistic settings

Undergraduate Research Assistant, University of Connecticut, Storrs, CT. (1996 - 1997).

Larval Transport of Anchovies

Undergraduate Research Fellow, Maryland Sea Grant College, College Park, MD. (1996).

Planktonic Predation by Ctenophores

Undergraduate Research Assistant, University of Connecticut, Storrs, CT. (1995 - 1996).

Rainforest Ecology

Administrative Appointments

College

Director (2015 - Present)
Manage the Genomics Core Laboratory

Professional Memberships

Society for the Advancement of Chicano, Hispanic, and Native American Scientists
Society for Integrative and Comparative Biology
The Wildlife Society
International Biogeography Society
Society for the Study of Evolution
Western Society of Naturalists
Benthic Ecology Meeting Society

TEACHING

Teaching Experience

BIOL 2371, PRINCIPLES OF EVOLUTION
BIOL 2416, GENETICS
BIOL 4371, POPULATION GENETICS
BIOL 4396, DIS: Genetic Basis for Settlement Choice in Oysters?
BIOL 6371, EVOLUTIONARY GENETICS
CMSS 6996, RESEARCH
FAMA 5102, GRADUATE DEFENSE SEMINAR
FAMA 5393, THESIS RESEARCH
FAMA 5394, THESIS SUBMISSION
FAMA 5940, PROJECT RESEARCH
HONR 4195, PROJECT OF EXCELLENCE
MARB 5293, THESIS RESEARCH
MARB 5392, THESIS PROPOSAL
MARB 5393, THESIS RESEARCH
MARB 5394, THESIS SUBMISSION
MARB 5596, DIS: Population Biology
MARB 5940, THESIS PROJECT RESEARCH
MARB 6392, DISSERTATION PROPOSAL
MARB 6590, Special Topics: Evolutionary Genetics
MARB 6596, DIS: Population Genetic Modelling & Simulation
MARB 6940, DISSERTATION PROJECT RESEARCH

SCHOLARLY AND CREATIVE ACTIVITIES

Publications

Refereed

Journal Articles

Skilling, D., Bird, C., Toonen, R. J. (2014). Comparative population structure of two edible Indo-Pacific coral reef sea cucumbers (Echinodermata: Holothuroidea). *Bulletin of Marine Science*, 90(1), 359-378.

- Puritz, J. B., Toonen, R. J., Bird, C. (2014). Demystifying the RAD fad. *Molecular Ecology*, 23(24), 5937-5942. onlinelibrary.wiley.com/doi/10.1111/mec.12965/abstract
- Bird, C., Franklin, E. C., Toonen, R. J., Smith, C. M. (2013). Between wave and tide marks: a unified model of water level and vertical zonation on littoral shores. *PeerJ*, 10.7717/peerj.154.
- Iacchei, M. I., Ben-Horin, T., Selkoe, K. A., Bird, C., Garcia-Rodriguez, F. J., Toonen, R. J. (2013). Combined analyses of kinship and FST suggest potential drivers of chaotic genetic patchiness in high gene-flow populations. *Molecular Ecology*, 22, 3476-3494.
- Toonen, R. J., Puritz, J. B., Forsman, Z. H., Whitney, J. L., Fernandez-Silva, I., Andrews, K. R., Bird, C. (2013). ezRAD: a simplified method for genomic genotyping in non-model organisms. *PeerJ*, 10.7717/peerj.203.
- Bowen, B. W., Rocha, L. A., Toonen, R. J., Karl, S. A., Bird, C. (2013). The origins of tropical marine biodiversity. *Trends in Ecology and Evolution*, 10.1016/j.tree.2013.01.018.
- Padilla-Gamino, J. L., Pochon, X., Bird, C., Concepcion, G., Gates, R. D. (2012). From parent to gamete: vertical transmission of Symbiodinium (Dinophyceae) in the scleractinian coral *Montipora capitata*. *PLoS ONE*, 7(6), e38440 11 pp.
- Bird, C., Skillings, D., Fernandez, I., Toonen, R. J. (2012). Sympatric speciation in the post Modern Synthesis era of evolutionary biology. *Evolutionary Biology*, 39, 158-180.
- Timmers, M. A., Bird, C., Skillings, D. J., Smouse, P. E., Toonen, R. J. (2012). There's no place like home: crown-of-thorns outbreaks in the central Pacific are locally derived and independent events. *PLoS ONE*, 7, 1-14.
- Toonen, R. J., Andrews, K., Baums, I., Bird, C., Concepcion, G., Daly-Engel, T., Eble, J., Faucci, A., Gaither, M., Iacchei, M., Puritz, J., Schultz, J., Skillings, D., Timmers, M., Bowen, B. (2011). Defining boundaries for ecosystem-based management: a multispecies case study of marine connectivity across the Hawaiian archipelago. *Journal of Marine Biology*, DOI 10.1155/2011/460173, 15 pp.
- Bird, C., Holland, B., Bowen, B. W., Toonen, R. J. (2011). Diversification of sympatric broadcast-spawning limpets (*Cellana* spp.) within the Hawaiian archipelago. *Molecular Ecology*, 20, 2128-2141.
- Skillings, D., Bird, C., Toonen, R. J. (2011). Gateways to Hawai'i - genetic population structure of the tropical sea cucumber *Holothuria atra*. *Journal of Marine Biology*, ID 783030, 16.
- Stat, M., Bird, C., Pochon, X., Chasqui, L., Chauka, L. J., Concepcion, G. T., Logan, D., Takabayashi, M., Toonen, R. J., Gates, R. D. (2011). Variation in Symbiodinium ITS2 sequence assemblages among coral colonies. *PLoS ONE*, 6(1): e15854. [doi:10.1371/journal.pone.0015854](https://doi.org/10.1371/journal.pone.0015854), 13.
- Timmers, M. A., Andrews, K., Bird, C., deMaintenon, M. J., Brainard, R. E., Toonen, R. J. (2011). Widespread dispersal of the crown-of-thorns sea star, *Acanthaster planci*... *Journal of Marine Biology*, [doi:10.1155/2011/934269](https://doi.org/10.1155/2011/934269), 10.
- Rodgers, K. S., Jokiel, P. L., Bird, C., Brown, E. K. (2009). Quantifying the condition of Hawaiian coral reefs. *Aquatic Conservation*, 20, 93-105.

Bird, C., Holland, B. S., Bowen, B. W., Toonen, R. J. (2007). Contrasting phylogeography in three endemic Hawaiian limpets (*Cellana* spp.) with similar life histories. *Molecular Ecology*, 16, 3173-3187.

Non-Refereed

Journal Articles

Johnson, J. E., Bird, C., Johnston, M. A., Fogg, A. Q., Hogan, J. D. Regional genetic structure and genetic founder effects in the invasive lionfish: comparing the Gulf of Mexico, Caribbean and North Atlantic. *Marine Biology*, 163(10), 216.

Selkoe, K. A., Gaggiotti, O. E., T. L., Bowen, B. W., Toonen, R. J. (2014). ChrisNOTES**(BB added) Emergent patterns of population genetic structure for a coral reef community. *Molecular Ecology*, 23(12), 3064-3079.

Bird, C. (2011). Morphological and behavioral evidence for adaptive diversification of sympatric Hawaiian limpets. *Journal of Integrative and Comparative Biology*, 51, 466-473.

Gaither, M. R., Szabo, Z., Crepeau, M., Bird, C., Toonen, R. J. (2011). Preservation of corals in salt-saturated DMSO buffer is superior to ethanol for PCR experiments. *Coral Reefs*, 30, 329-333.

Presentations

Bennett, B. W. (Author & Presenter), Bird, C. E. (Author), "The Effectiveness of Community-Managed "Rest Areas" on the 'Opihi Fishery," Aquatic Science Meeting (ASLO), Honolulu HI. (2017).

Cockett, P. M. (Author & Presenter), Turner, J. W. (Author), Bird, C. E. (Author), "Application of a Draft Genome to the Population Genomic Study of a Non-Model Species," Benthic Ecology Meeting, Myrtle Beach, NC. (2017).

Bird, C. E. (Author), "Population genetics of fishes to inform management decisions in the 3-S Mekong Basin," International Conference on Conservation Genetics in Mekong River Basin, Can Tho, Vietnam. (2017).

Bird, C. E. (Author & Presenter), "Population genomics and the conservation of Hawaiian 'opihi," International Conference on Conservation Genetics in Mekong River Basin, Can Tho, Vietnam. (2017).

Scherer, A. E. (Author & Presenter), Bird, C., Hu, X., McCutcheon, M., Smee, D. L., "The cost and mechanism of an induced morphological defense in eastern oysters *Crassostrea virginica*," SICB Annual Meeting, Society of Integrative and Comparative Biology, New Orleans, LA. (2017).

Jacinto, K. (Author & Presenter), Connelly, J. (Author), Slater, L. (Author), Cockett, P. M. (Author), Gurski, L. M. (Author), Bird, C. E. (Author), "Analysis of quantitative traits provides evidence for fourth species in adaptive radiation of Hawaiian shellfish," Society for American Chicano and Native American Scientists, Salt Lake City, UT. (2017).

Connelly, J. (Author & Presenter), Jacinto, K. (Author), Slater, L. (Author), Cockett, P. M. (Author), Bird, C. E. (Author), "Effects of overfishing on decadal, centennial, and millennial time scales on adaptive capacity," Society for American Chicano and Native American Scientists, Salt Lake City, UT. (2017).

Slater, L. (Author & Presenter), Jacinto, K. (Author), Connelly, J. (Author), Cockett, P. M. (Author), Bird, C. E. (Author), "Effects of population density on the morphology of Hawaiian shellfish," Society for American Chicano and Native American Scientists, Salt Lake City, UT. (2017).

Hamner (Post Doc), R. M. (Author & Presenter), Selwyn, J. (Author), Krell, E. (Author), King, S. (Author), Bird, C. E. (Author), "Modeling next-generation sequencer sampling error dramatically reduces false positives in genetic structure test," Society for the Study of Evolution, Portland, OR. (2017).

Bynum, A. (Author & Presenter), Bird, C. E. (Author), "Modeling Genetic Diversity in Non-Equilibrium Populations [BC5]," TAMUCC 3 Minute Thesis Competition, Corpus Christi, TX. (2017).

Bird, C. E. (Author & Presenter), "Test for microgeographic genetic structure reveals semi-cryptic lineage in radiation of Hawaiian 'opihi," University of South Carolina, Columbia, SC, Columbia, SC. (2017).

Cruz, M. (Author & Presenter), Hajovsky, P. W. (Author), Hogan, J. D. (Author), Bird, C. E. (Author), "Phenotypic variations in marine protected area limpets," 24th Annual National McNair Conference and Graduate Fair, Milwaukee, WI. (2016).

Krell, E. (Author & Presenter), French, M. (Author), Magnuson, S. F. (Author), Simons, J. (Author), Bird, C. E. (Author), "An evaluation of software for taxonomic assignment in DNA metabarcoding," 6th Annual MSGSO Student Research Forum, Corpus Christi, TX. (2016).

French, M. (Author & Presenter), Krell, E. (Author), Magnuson, S. F. (Author), Simons, J. (Author), Bird, C. E. (Author), "Identifying the gut contents of *Lutjanus* spp. using DNA metabarcoding," 6th Annual MSGSO Student Research Forum, Corpus Christi, TX. (2016).

Selwyn, J. D. (Author & Presenter), Johnson, J. E. (Author), Bynum, A. M. (Author), Downey-Wall, A. M. (Author), Hogan, J. D. (Author), Bird, C. E. (Author), "How many lionfish was it really?," 6th Annual MSGSO Student Research Forum (Best Talk), Corpus Christi, TX. (2016).

Bynum, A. M. (Author & Presenter), Bird, C. E. (Author), "Modeling Genetic Diversity in Non-Equilibrium Populations [BC5]," 6th Annual MSGSO Student Research Forum (Best Talk), Corpus Christi, TX. (2016).

Scherer, A. E. (Author & Presenter), Bird, C., Smee, D. L., "Reproductive costs of an induced morphological defense in the eastern oyster *Crassostrea virginica*," Benthic Ecology Meeting, Portland, ME. (2016).

Scherer, A. E. (Author & Presenter), Bird, C., Hu, X., McCutcheon, M., Smee, D. L., "Cost and mechanism of an induced morphological defense in the eastern oyster *Crassostrea virginica*," ESA Annual Meeting, Fort Lauderdale, FL. (2016).

Bennett, B. W. (Author & Presenter), Bird, C. E. (Author), "Development of a decision model for sustainable harvesting," International Coral Reef Symposium, Honolulu, HI. (2016).

Bennett, B. W. (Author & Presenter), Bird, C. E. (Author), "Development of a decision model for sustainable harvesting," International Coral Reef Symposium. (2016).

Cockett, P. M. (Author & Presenter), Gurski, L. M. (Author), Bird, C. E. (Author), "Every population matters: Hotspots of genome-wide genetic diversity in Hawaiian 'Opihi (*Cellana exarata*)," International Coral Reef Symposium, Honolulu, HI. (2016).

Konetski, J. (Author & Presenter), Bennett, B. W. (Author), Bird, C. E. (Author), "Genetic basis for settlement choice in Eastern Oysters," LSAMP Undergraduate Research Symposium, Corpus Christi, TX. (2016).

Knauer, C. (Author & Presenter), Rue, C. (Author), Puritz (Post Doc), J. B. (Author), Bird, C. E. (Author), "Minimizing DNA Loss in Mag Bead DNA Clean-ups," LSAMP Undergraduate Research Symposium, Corpus Christi, TX. (2016).

Cruz, M. (Author & Presenter), Hajovsky, P. W. (Author), Hogan, J. D. (Author), Bird, C. E. (Author), "Phenotypic variations in marine protected area limpets," LSAMP Undergraduate Research Symposium, Corpus Christi, TX. (2016).

Bennett, B. W. (Author & Presenter), Bird, C. E. (Author), "Development of a decision model for sustainable harvesting," Ocean Science Meeting. (2016).

Thomas, J. (Author & Presenter), Bennett, B. W. (Author), Bird, C. E. (Author), "Community-based management of the Hawaiian limpet," Society for American Chicano and Native American Scientists, Long Beach, CA. (2016).

Burr, M. (Author & Presenter), Soliz, C. (Author), Konetski, J. (Author), Bennett, B. W. (Author), Bird, C. E. (Author), "Genetic basis for settlement choice in *Crassostrea virginica*," Society for American Chicano and Native American Scientists, Long Beach, CA. (2016).

Trevino, L. (Author & Presenter), Cockett, P. M. (Author), Gurski, L. M. (Author), Smee, D. L. (Author), Bird, C. E. (Author), "Genetic Composition of a Texas Oyster, *Crassostrea virginica*," Society for American Chicano and Native American Scientists, Long Beach, CA. (2016).

Soliz, C. (Author & Presenter), Burr, M. (Author), Konetski, J. (Author), Bennett, B. W. (Author), Bird, C. E. (Author), "Testing for a spatial pattern in genetic relatedness among oysters," Society for American Chicano and Native American Scientists, Long Beach, CA. (2016).

French, M. (Author & Presenter), Krell, E. (Author), Magnuson, S. F. (Author), Simons, J. (Author), Bird, C. E. (Author), "Identifying the gut contents of *Lutjanus* spp. using DNA metabarcoding," TAMUS Pathways Student Research Symposium, Prairie View, TX. (2016).

Bennett, B. W. (Author & Presenter), Bird, C. E. (Author), "Using Population Density and Size Class Frequency to Identify Recruitment Limitation and Saturation in Shellfishes," Texas A&M Marine Biology Program Retreat, Corpus Christi, TX. (2016).

Scherer, A. E. (Author & Presenter), Bird, C., Smee, D. L., "Reproductive costs of an induced morphological defense in the eastern oyster *Crassostrea virginica*," Texas Bays and Estuaries Meeting, Port Aransas, Texas. (2016).

Bynum, A. (Author & Presenter), Bird, C. E. (Author), "Modeling Genetic Diversity in Non-Equilibrium Populations [BC5]," UTSA College of Science Research Conference, San Antonio, TX. (2016).

Bird, C. E. (Author & Presenter), "From Monitoring to Community-based Management: Results from the 'Opihi Partnership," International Coral Reef Symposium. (June 2016).

Gurski, L. M. (Author & Presenter), Cockett, P. M. (Author), Bird, C. E. (Author & Presenter), "Population genomic structure of Hawaiian limpets among microhabitats," International Coral Reef Symposium. (June 2016).

Johnson, J. E. (Author), Bird, C. E. (Author & Presenter), Johnston, M. A. (Author), Hogan, J. D. (Author), Fogg, A. (Author), "Regional genetic structure and genetic founder effects in the

invasive lionfish: comparing the Gulf of Mexico, Caribbean and North Atlantic," International Coral Reef Symposium. (June 2016).

Bird, C. E. (Author), "The Diversity in the Indo-Pacific Network: insights into links between genetic and species diversity," International Coral Reef Symposium. (June 2016).

Bird, C. E. (Author & Presenter), "Interim Report On East Maui Rest Area 2014-2016," ChrisNOTES(not on CV), Muolea for TNC. (April 2016).

Bird, C. E. (Author & Presenter), "Interim Report On Kipahulu Rest Areas 2014-2016," ChrisNOTES(not on CV), Kipahulu for TNC. (April 2016).

Cockett, P. M. (Author & Presenter), Bird, C. E. (Author), "Genome-wide Genetic Diversity is Greatest in the Smallest Populations of Hawaiian 'Opihi (*Cellana exarata*)," Benthics. (March 2016).

Bird, C. E. (Author), "Population genomic structure of *Cellana exarata*," Benthics. (March 2016).

Gurski, L. (Author & Presenter), Bird, C. E. (Author), "Population Genomic Structure of Hawaiian Limpets Among Microhabitats," Benthics. (March 2016).

Konetski, J. (Author & Presenter), Bennett, B. W. (Author), Bird, C. E. (Author), "Genetic basis for settlement choice in Eastern Oysters," 5th Annual MSGSO Student Research Forum, Corpus Christi, TX. (2015).

Cruz, M. (Author & Presenter), Hajovsky, P. W. (Author), Hogan, J. D. (Author), Bird, C. E. (Author), "Phenotypic variations in marine protected area limpets," 5th Annual MSGSO Student Research Forum, Corpus Christi, TX. (2015).

Bennett, B. S. (Author & Presenter), Bird, C. E. (Author), "Identifying recruitment limitation and recruitment saturation in Hawaiian shellfishes," 5th Annual MSGSO Student Research Forum (3rd Place Poster Presentation), MSGSO, Corpus Christi, TX. (2015).

Bird, C. E. (Author & Presenter), "Application of Analysis of Molecular Variance to Ecological Communities," Scripps 2015. (2015).

Gurski, L. (Author & Presenter), Bird, C. E. (Author), "GENOMIC STRUCTURE OF 'OPIHI BETWEEN MICROHABITATS," Society for American Chicano and Native American Scientists. (2015).

Cockett, P. M. (Author & Presenter), Bird, C. E. (Author), "Relationship Between Population Size and Diversity in a Crashed Hawaiian Fishery," Society for American Chicano and Native American Scientists. (2015).

Knauer, C. (Author & Presenter), Rue, C. (Author), Puritz (Post Doc), J. B. (Author), Bird, C. E. (Author), "Minimizing DNA Loss in Mag Bead DNA Clean-ups," TAMUS 12th Annual Pathways Student Research Symposium, Corpus Christi, TX. (2015).

Cruz, M. (Author & Presenter), Hajovsky, P. W. (Author), Hogan, J. D. (Author), Bird, C. E. (Author), "Phenotypic variations in marine protected area limpets," TAMUS 12th Annual Pathways Student Research Symposium, Corpus Christi, TX. (2015).

Bird, C. E. (Author & Presenter), "Opihi Safe Talk," ChrisNOTE(not on CV) Guest Lecturer. (November 2015).

Bird, C. E. (Author & Presenter), "A Partnership for 'Opihi," ChrisNOTES(not on CV) Hana Limu Festival 2015. (November 2015).

Konetski, J. (Author & Presenter), Bennett, B. W. (Author), Bird, C. E. (Author), "Genetic Basis for Settlement Choice in Eastern Oysters?," University of Texas-San Antonio College of Sciences Research Conference. (October 2015).

Bennett, B. S. (Author & Presenter), Bird, C. E. (Author), "Identifying Recruitment Limitation and Recruitment Saturation in Hawaiian Shellfishes," University of Texas-San Antonio College of Sciences Research Conference. (October 2015).

Lopez de Mesa, L. (Author & Presenter), Bird, C. E. (Author), "LOCAL ADAPTATION OF MARINE LIFE NEAR OIL REFINERIES," Sea Grant Symposium. (September 2015).

Bird, C. E. (Author & Presenter), "Me he 'opihi pa'a la: Utilizing Science and Culture to Manage Our Shorelines," ChrisNOTE(not on CV) Hawai'i Conservation Conference. (August 2015).

Johnson, J. (Author & Presenter), Bird, C. (Author), Johnston, M. (Author), Fogg, A. (Author), Hogan, J. D. (Author), "Genetic composition of invasive lionfish throughout the Atlantic," Joint Meeting of Ichthyologists and Herpetologists, ASIH, Reno, Nevada. (July 2015).

Bird, C. E. (Author & Presenter), "Impact of Humans on 'Opihi Populations," HIMB 2015 Seminar. (March 2015).

Pennoyer, K. E. (Author & Presenter), Bird, C. E. (Author), "HAWAIIAN 'OPIHI POPULATIONS PARTITIONED BY ISLAND," 2014 Ocean Sciences Meeting. (2014).

Bird, C. E. (Author & Presenter), "Remember When Fisherman Carried Fishing Poles?," 2014 Ocean Sciences Meeting. (2014).

Hajovsky, P. W. (Author & Presenter), Cruz, M. (Author), French, M. (Author), Bird, C. E. (Author), "Effects of shore height on shell morphology in Hawaiian limpet," 4th Annual MSGSO Student Research Forum, Corpus Christi, TX. (2014).

Knauer, C. (Author & Presenter), Rue, C. (Author), Puritz (Post Doc), J. B. (Author), Bird, C. E. (Author), "Minimizing DNA Loss in Mag Bead DNA Clean-ups," 4th Annual MSGSO Student Research Forum, Corpus Christi, TX. (2014).

Pennoyer, K. E. (Author & Presenter), Bird, C. E. (Author), "Adaptive genetic differentiation across the depth ranges of intertidal invertebrates," Annual Ecological Integration Symposium-TAMU, College Station, TX. (2014).

Bennett, B. S. (Author & Presenter), Williams, J. (Author & Presenter), Bird, C. E. (Author), "Hawaiian Shell Game: Surveying Cryptic Species with PCR," Annual Ecological Integration Symposium-Texas A&M University College Station. (2014).

Bird, C. E. (Author & Presenter), "Selection drives sympatric population divergence in Hawaiian 'opihi. Honolulu, HI," Association for the Sciences of Limnology and Oceanography – Ocean Sciences Meeting. (2014).

Hajovsky, P. (Author & Presenter), Bird, C. E. (Author), "'Opihi morphology in response to shore height," HoBi Lab Meeting, Corpus Christi, TX. (2014).

Bird, C. E. (Author & Presenter), "Customized tests for natural selection in population genomic data," Manilla Bioinformatics Workshop. (2014).

Bennett, B. S. (Author & Presenter), Williams, J. (Author & Presenter), Bird, C. E. (Author), "Hawaiian shell game: Surveying cryptic species with PCR," Ocean Sciences Meeting (ASLO), Honolulu, HI. (2014).

Bird, C. (Author & Presenter), "Applying genomic technology to resource management," Seminar Series-Harte Research Institute, Texas A&M, Corpus Christi, TX, Harte Research Institute, Texas A&M University, Corpus Christi, TX. (2014).

Knauer, C. (Author & Presenter), Rue, C. (Author), Puritz (Post Doc), J. B. (Author), Bird, C. E. (Author & Presenter), "Minimizing DNA Loss in Mag Bead DNA Clean-ups," Society for American Chicano and Native American Scientists, San Antonio, TX (Best Presentation), Los Angeles, CA. (2014).

Pennoyer, K. E. (Author & Presenter), Bird, C. E. (Author), "Adaptive genetic differentiation across the depth ranges of intertidal invertebrates," Society for Integrative and Comparative Biology, Austin, TX. (2014).

Cockett, P. M. (Author & Presenter), Bird, C. E. (Author), "Coastal runoff effects on an exploited Hawaiian fishery," Society for Integrative and Comparative Biology, Austin, TX. (2014).

Gurski, L. (Author & Presenter), Bird, C. E. (Author), "Microclimates affect the genomic composition of Hawaiian limpets," Society for Integrative and Comparative Biology, Austin, TX. (2014).

Bird, C. E. (Author & Presenter), "RADseq: minimizing the costs of RAD sequencing for population genomics," Society for Integrative and Comparative Biology, Austin, TX. (2014).

Bird, C. E. (Author & Presenter), "Demystifying restriction site associated DNA sequencing for ecologists," University of Texas Marine Science Institute. (2014).

Bennett, B. S. (Author & Presenter), Bird, C. E. (Author), "Hawaiian Shell Game: Surveying Cryptic Species with PCR," Annual Undergraduate Research Symposium, Corpus Christi, TX. (2013).

Bird, C. (Author & Presenter), "Selection drives sympatric genomic divergence in Hawaiian limpets," International Biogeography Society. (2013).

Bird, C. (Author & Presenter), "SAFE Talk: Toward sustainable 'opihi fisheries," NOAA Fisheries, Pacific Islands Marine Regional Office, Honolulu, HI, Honolulu, HI. (2013).

Pennoyer, K. E. (Author & Presenter), Bird, C. E. (Author), "Adaptive genetic differentiation across the depth ranges of intertidal invertebrates," Pathways Student Research Symposium, Kingsville, TX. (2013).

Cockett, P. M. (Author & Presenter), Bird, C. E. (Author), "Biogeographic Patterns in the Reproductive Timing of Broadcast-Spawning Limpets," Pathways Student Research Symposium, Kingsville, TX. (2013).

Gurski, L. (Author & Presenter), Andrews, K. (Author), Iacchei, M. (Author), Bird, C. E. (Author), "Evolution of Evasion in Sympatric Sibling Limpets," Pathways Student Research Symposium, Kingsville, TX. (2013).

Bennett, B. S. (Author & Presenter), Williams, J. (Author & Presenter), Bird, C. E. (Author), "Hawaiian Shell Game: Surveying Cryptic Species with PCR," Pathways Student Research Symposium, Kingsville, TX. (2013).

Bird, C. (Author & Presenter), "RADseq: minimizing the costs of RAD sequencing for population genomics," Pauley Summer Program, Hawai'i Institute of Marine Biology, Kane'ohe, HI, Kane'ohe, HI. (2013).

Cockett, P. M. (Author & Presenter), Bird, C. E. (Author), "Biogeographic Patterns in the Reproductive Timing of Broadcast-Spawning Limpets," Society for American Chicano and Native American Scientists, San Antonio, TX. (2013).

Gurski, L. (Author & Presenter), Andrews, K. (Author), Iacchei, M. (Author), Bird, C. E. (Author), "Evolution of Evasion in Sympatric Sibling Limpets," Society for American Chicano and Native American Scientists, San Antonio, TX. (2013).

Bennett, B. S. (Author & Presenter), Williams, J. (Author & Presenter), Bird, C. E. (Author), "Hawaiian Shell Game: Surveying Cryptic Species with PCR," Society for American Chicano and Native American Scientists, San Antonio, TX. (2013).

Bird, C. (Author & Presenter), "Selection drives sympatric genomic population divergence," Society for American Chicano and Native American Scientists, San Antonio, TX, San Antonio, TX. (2013).

Cockett, P. M. (Author & Presenter), Bird, C. E. (Author), "Hawaiian littoral gastropods' heated existence," Albert L. Tester Memorial Symposium, University of Hawai'i, Honolulu, HI. (2012).

Bird, C. (Author & Presenter), "Natural selection, lineage divergence, and speciation in marine organisms," Florida International University, Miami, FL, Florida International University, Miami, FL, Miami, FL. (2012).

Bird, C. (Author & Presenter), "Natural selection, population divergence and speciation in marine organisms," Hawai'i Institute of Marine Biology, University of Hawai'i, Kane'ohe, HI. (2012).

Bird, C. (Author & Presenter), "'Opihi conservation and fishery management," NOAA Hawaiian Islands Marine Mammal Sanctuary, Hawai'i Kai, HI, NOAA Hawaiian Islands Marine Mammal Sanctuary, Hawai'i Kai, HI. (2012).

Bird, C. (Author & Presenter), "Ultra fine-scale genetic partitioning in marine species," Seminar Series-Harte Research Institute, Texas A&M University, Corpus Christi, TX, Texas A&M University-Corpus Christi. (2012).

Cockett, P. M. (Author & Presenter), Bird, C. E. (Author), "Hawaiian littoral gastropods' heated existence," Society for Integrative and Comparative Biology, Charleston, NC. (2012).

Bird, C. (Author & Presenter), "TMI AMOVA: When genetic distance is too much information," Society for Integrative and Comparative Biology, Charleston, SC. (2012).

Bird, C. (Author & Presenter), "Ultra fine-scale genetic partitioning in marine species," Texas A&M University, Galveston, TX, Texas A&M University, Galveston, TX, Galveston, TX. (2012).

Bird, C. (Presenter), "'Opihi conservation and fishery management," The Nature Conservancy, Honolulu, HI. (2012).

Bird, C. (Author & Presenter), "Adaptive speciation of endemic Hawaiian limpets. Mobile, AL," Benthic Ecology Meeting, Mobile, AL. (2011).

Bird, C. (Author & Presenter), "Grass roots restoration of Hawaiian intertidal shores," Benthic Ecology Meeting, Mobile, AL. (2011).

Bird, C. (Author & Presenter), "Adaptive diversification of endemic Hawaiian limpets," Evolution of Life on Pacific Islands and Reefs, Honolulu, HI. (2011).

Bird, C. (Author & Presenter), "Adaptive radiation of sympatric Hawaiian limpets," Evolution: SSE, SSB, ASN, Norman, OK. (2011).

Bird, C. (Author & Presenter), "Effects of diversity on measures of genetic differentiation," Evolution: SSE, SSB, ASN, Norman, OK. (2011).

Bird, C. (Author & Presenter), "Selection and population partitioning in Hawaiian limpets," Hawai'i Institute of Marine Biology, University of Hawai'i, Kāne'ohe, HI. (2011).

Bird, C. (Author & Presenter), "Sympatric speciation on the sea shore," Leeward Community College, Department of Biology, Pearl City, HI, Leeward Community College, Department of Biology, Pearl City, HI. (2011).

Bird, C. (Author & Presenter), "Sympatric speciation on the sea shore," Simon Fraser University, Department of Biological Sciences, Vancouver, BC, Simon Fraser University, Department of Biological Sciences, Vancouver, BC. (2011).

Bird, C. (Author & Presenter), "Adaptive radiation of sympatric endemic Hawaiian limpets," Society for Integrative and Comparative Biology, Salt Lake City, UT, Society for Integrative and Comparative Biology, Salt Lake City, UT. (2011).

Bird, C. (Author & Presenter), "Natural selection and speciation in marine organisms," Texas A&M University, Corpus Christi, TX. (2011).

Bird, C. (Author & Presenter), "Genome-wide analysis, marine species & sustainable fisheries," The Wildlife Society, Annual Conference, Waikaloa, HI. (2011).

Bird, C. (Presenter), "Central Pacific crown of thorns sea star outbreaks are genetically isolated events," University of California at Davis, Population Genetics Group, Davis, CA. (2011).

Bird, C. (Presenter), "Sympatric speciation on the sea shore," University of Connecticut, Ecology and Evolutionary Biology, Storrs, CT, Connecticut. (2011).

Bird, C. (Author & Presenter), "Genome-wide analysis, marine species & sustainable fisheries," Western Society of Naturalists, Vancouver, WA. (2011).

Bird, C. (Author & Presenter), "Outbreaks of crown-of-thorns sea stars are genetically independent," Western Society of Naturalists, Vancouver, WA. (2011).

Bird, C. (Author & Presenter), "A unifying model of physical zonation on littoral shores.," Benthic Ecology Meeting, Wilmington, NC. (2010).

Bird, C. (Author & Presenter), "Adaptive radiation of sympatric endemic Hawaiian limpets," Bodega Bay Marine Laboratory, University of California at Davis, Bodega Bay, CA, Bodega Bay Marine Laboratory, University of California at Davis, Davis, Bodega Bay, CA. (2010).

Bird, C. (Author & Presenter), "Diversification of sympatric limpets within the Hawaiian Archipelago," Evolution: SSE, SSB, ASN, Portland, OR. (2010).

Bird, C. (Chair), "The 'opihi Partnership: A collaboration between university, state, federal, NGO, and local communities," Hawai'i Conservation Conference, Honolulu, HI. (2010).

Bird, C. (Author & Presenter), "The 'opihi Partnership: Scientific perspective and findings," Hawai'i Conservation Conference, Honolulu, HI, Hawai'i Conservation Conference, Honolulu, HI. (2010).

Bird, C. (Author & Presenter), "Adaptive radiation of sympatric endemic Hawaiian limpets," Hopkins Marine Laboratory, Stanford University, Monterey, CA, Hopkins Marine Laboratory, Stanford University, Monterey, CA. (2010).

Bird, C. (Author & Presenter), "Adaptive radiation of sympatric endemic Hawaiian limpets," Moss Landing Marine Laboratories, California State University, Moss Landing, CA, Moss Landing Marine Laboratories, California State University, Moss Landing, CA. (2010).

Bird, C. (Author & Presenter), "Adaptive radiation of sympatric endemic Hawaiian limpets," University of California at Berkeley, Department of Ecology and Evolution, Berkeley, CA, University of California at Berkeley, Department of Ecology and Evolution, Berkeley, CA. (2010).

Bird, C. (Author & Presenter), "Adaptive radiation of sympatric endemic Hawaiian limpets," University of California at Davis, Department of Ecology and Evolution, Davis, CA, University of California at Davis, Department of Ecology and Evolution, Davis, CA. (2010).

Bird, C. (Author & Presenter), "Between tide and wave marks: a unifying model of intertidal zonation," Western Society of Naturalists, San Diego, CA. (2010).

Bird, C. (Author & Presenter), "Speciation of endemic, sympatric Hawaiian limpets," University of Hawai'i, Ecol, Evol, & Cons Biology Program, Honolulu, HI, University of Hawai'i, Ecol, Evol, & Cons Biology Program, Honolulu, HI. (2009).

Bird, C. (Author & Presenter), "Using DNA to identify population boundaries in 'opihi," Hawai'i Conservation Conference, Honolulu, HI, Hawai'i Conservation Conference, Honolulu, HI. (2008).

Bird, C. (Author & Presenter), "DISCO AMOVA," International Coral Reef Symposium, Ft. Lauderdale, FL. (2008).

Bird, C. (Author & Presenter), "How connected are your populations? Biases in AMOVA," International Coral Reef Symposium, Ft. Lauderdale, FL. (2008).

Bird, C. (Author & Presenter), "Integrating scientific and traditional ecological knowledge in the monitoring and management of Hawaiian limpets," University of Hawai'i, Ecol, Evol, & Cons Biology Program, Honolulu, HI, University of Hawai'i, Ecol, Evol, & Cons Biology Program, Honolulu, HI. (2008).

Bird, C. (Author & Presenter), "Correcting biases in AMOVA based estimates of FST," International Biogeography Society, Tenerife, Canary Islands. (2007).

Bird, C. (Author & Presenter), "Using population genetics to revive a crashed multispecies fishery," Society for Conservation Biology, Australasian Region, Sydney, Australia. (2007).

Bird, C. (Author & Presenter), "Tracking larval connectivity with genetic techniques," University of Hawai'i, School of Ocean, Earth Science & Technology, Honolulu, HI, University of Hawai'i, School of Ocean, Earth Science & Technology, Honolulu, HI. (2007).

Bird, C. (Author & Presenter), "Complex interactions between a Hawaiian limpet and an Indo-Pacific urchin," Benthic Ecology Meeting, Quebec, CAN. (2006).

Bird, C. (Author & Presenter), "Indirect positive interactions between an endemic limpet and an Indo-Pacific urchin," Ecological Society of America, Memphis, TN. (2006).

Bird, C. (Author & Presenter), "Contrasting phylogeography in three endemic limpets with similar life histories," Evolution: SSE, SSB, ASN, Stony Brook, NY. (2006).

Bird, C. (Author & Presenter), "New frontiers in the management of 'opihi," Hawai'i Aquatics Conference, Kāne'ohe, HI. (2006).

Bird, C. (Author & Presenter), "Between the waves: Hawaiian "intertidal" dynamics and community structure," University of Hawai'i, Botany Department, Honolulu, HI, University of Hawai'i, Botany Department, Honolulu, HI. (2005).

Bird, C. (Author & Presenter), "Wave exposed Hawaiian rocky intertidal communities," University of Hawai'i, Ecol, Evol, & Cons Biology Program, Honolulu, HI, University of Hawai'i, Ecol, Evol, & Cons Biology Program, Honolulu, HI. (2005).

Bird, C. (Author & Presenter), "A priori optimization of point-intercept sampling," Benthic Ecology Meeting, Mobile, AL. (2004).

Bird, C. (Author & Presenter), "Competition or facilitation? Effects of shingle-urchins on limpet growth," Western Society of Naturalists, Rohnert Park, CA. (2004).

Bird, C. (Author & Presenter), "Preferential prey selection by he'e pali, Octopus oliveri," Western Society of Naturalists, Rohnert Park, CA. (2004).

Bird, C. (Author & Presenter), "Pattern in Hawaiian rocky littoral community structure.," Benthic Ecology Meeting, Groton, CT. (2003).

Contracts, Grants and Sponsored Research

Grant

Bird, Christopher (Co-Principal), "RCN: Diversity of the Indopacific Network (DIPnet): A collaborative research network and database for advancing marine biodiversity research," Sponsored by NSF, Federal, \$499,516.00. (2015 - 2020).

Bird, Christopher E (Principal), Toonen, Robert J (Co-Principal), "Testing the Effects of Community-Managed "Rest Areas" on Coastal Hawaiian Fisheries," Sponsored by NOAA Saltonstall-Kennedy, Federal, \$399,516.00. (June 1, 2015 - May 31, 2018).

Bird, Christopher (Co-Principal), Li, Longzhuang (Principal), Xie, Feiqin (Co-Principal), "ChrisNOTE**(dup??)MRI: Acquisition of a High Performance Computing Cluster...," Sponsored by NSF, Federal, \$400,000.00. (2014 - 2017).

Bird, Christopher E (Principal), "Postdoc: NOAA Saltonstall-Kennedy: Testing the Effects of Community-Managed "Rest Areas" on Coastal Hawaiian Fisheries," Texas A&M University-Corpus Christi, \$30,000.00. (September 1, 2016 - August 31, 2017).

Li, Longzhuang (Principal), Bird, Christopher (Co-Principal), Chen, Ruizhi (Co-Principal), Su, Lihong (Co-Principal), Xie, Feiqin (Co-Principal), "MRI: Acquisition of a High Performance Computing Cluster to Support Multidisciplinary Big Data Analysis and Modeling," Sponsored by National Science Foundation, Federal, \$399,038.00. (September 1, 2014 - August 31, 2017).

Bird, Christopher E (Principal), Hogan, James D (Co-Principal), "Postdoc: Impacts of the Changing Climate on the Marianas Trench, Rose Atoll, and Pacific Remote Islands Marine National Monuments," Texas A&M University-Corpus Christi, \$30,000.00. (September 2014 - September 2015).

Hogan, Derek (Principal), Bird, Christopher, "Impacts of the Changing Climate on the Marianas Trench, Rose Atoll, and Pacific Remote Islands Marine National Monuments," Sponsored by TAMUCC, Texas A&M University-Corpus Christi, \$30,000.00. (September 20, 2014 - September 19, 2015).

Scholarly and Creative Awards and Honors

Best Student Poster, International Biogeography Society. (2007).

SERVICE

Department

Volunteer, Island Days. (2016).
Volunteer, SACNAS Conference. (2016).
Volunteer, Island Days. (2015).
Volunteer, Island Days. (2015).
Volunteer, SACNAS Conference. (2015).
Committee Member, Coastal Plant Ecologist Search Committee. (January 2015 - May 2015).
Volunteer, SACNAS Conference. (2014).
Volunteer, SACNAS Conference. (2013).
Committee Member, Marine Geneticist Search Committee. (January 2013 - May 2013).

College

Faculty Advisor, SACNAS Student Chapter. (2017 - Present).
Committee Member, CoSE Steering Committee. (2015 - Present).
Committee Member, SACNAS Committee. (September 2012 - Present).
Committee Chair, Genomics Core Laboratory Committee. (2012 - Present).
Co-advisor, SACNAS Student Chapter. (2015 - 2017).

University

Research Computing Committee/ HPC. (2017 - Present).
Committee Member, Graduate Council. (September 2014 - Present).
ChrisNOTE: Dr. Hector P. Garcia. (2017).

Professional

Reviewer, Journal Article, Molecular Ecology, Evolution, Conservation Genetics, Journal of Biogeography, BMC Evolution, Proceedings of the Royal Society B, Genetica, Journal of Heredity, Diversity and Distributions, Marine Ecology Progress Series, Journal of Marine Biology, Coral Reefs, International Coral Reef Symposium, Journal of Molluscan Studies, American Malacological Bulletin, Pacific Science, Marine Biodiversity, Journal of Evolutionary Biology.
Reviewer, Grant Proposal, National Science Foundation, Ohio Sea Grant, South Carolina Sea Grant.
Chairperson, Genomics Core Laboratory, Texas A & M University-Corpus Christi. (2012 - Present).
Lead Instructor, Chris NOTE***Population Genomic Workshops. (2017).
Reviewer, Journal Article, ChrisNOTE***Coral Reefs. (January 2017 - December 2017).
Reviewer, Journal Article, PLoS ONE. (January 2017 - December 2017).

Reviewer, Journal Article, ChrisNOTE***Biodiversity and Conservation. (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE*** Journal of Natural History. (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***Molecular Ecology (1). (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***Molecular Ecology (2). (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***Nature Communications. (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***PeerJ (1). (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***PeerJ (2). (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***PeerJ (3). (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***PeerJ (4). (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***Phylogenetics & Evolution. (January 2016 - December 2016).

Reviewer, Grant Proposal, ChrisNOTE***Texas Academy of Science. (January 2016 - December 2016).

Reviewer, Journal Article, ChrisNOTE***Zoomorphology. (January 2016 - December 2016).

Reviewer, Grant Proposal, ChrisNOTE: National Science Foundation - OCE (not sure if this was listed because of limited info on other NSF-no date). (January 2016 - December 2016).

Reviewer, Journal Article, PLoS ONE (1). (January 2016 - December 2016).

Reviewer, Journal Article, PLoS ONE (2). (January 2016 - December 2016).

Reviewer, Journal Article, Axios. (January 2015 - December 2015).

Reviewer, Journal Article, Earth's Future. (January 2015 - December 2015).

Reviewer, Journal Article, Evolutionary Bioinformatics. (January 2015 - December 2015).

Reviewer, Grant Proposal, Florida SeaGrant. (January 2015 - December 2015).

Reviewer, Grant Proposal, National Science Foundation. (January 2015 - December 2015).

Reviewer, Book, Quarterly Review of Biology. (January 2015 - December 2015).

Indo-Pacific Phylogeography Working Group, NESCent, Durham, NC. (2012 - 2015).

Public

Discussant, ChrisNOTE***Texas State Aquarium. (2016 - Present).

Discussant, ChrisNOTE**Corpus Christi Museum of Science. (2016 - Present).

Co-Chairperson, ChrisNOTE**SACNAS. (2016 - Present).

Co-Chairperson, ChrisNOTE**SACNAS. (2016 - Present).

Co-leader and Co-founder, 'Opihi Partnership, State of Hawai'i. (2008 - Present).

Guest Speaker, ChrisNOTE**KKYX 680 AM Radio, Talk About Texas. (January 2017).

Guest Speaker, ChrisNOTE***Kulia I Ka Pono. (2016).

volunteer, Na Mamo O Muolea, Hana Limu Festival. (November 2016).

Lead Volunteer, Citizen Science. (January 2016 - November 2016).

Guest Speaker, Na Mamo O Muolea & Kipahulu Ohana. (January 2015 - December 2015).

volunteer, Na Mamo O Muolea, Hana Limu Festival. (November 2014).

Guest Speaker, Nā Mamo O Muolea Limu Festival, Hāna, Hawai'i. (2011).

Guest Speaker, Lana'i 'opihi Workshop, Lana'i, Hawai'i. (2010).

Guest Speaker, Hanauma Bay Lecture Series, Hawai'i Kai, Hawai'i. (2009).

Guest Speaker, Kohala Foundation Invited Public Talk, Keahou, Hawai'i. (2007).

Guest Speaker, Hanauma Bay Public Lecture Series, Hawai'i Kai, Hawai'i. (2006).

Scientific Mentor, West Hawai'i Explorations Academy, Keāhole, Hawai'i. (2004 - 2006).

Guest Speaker, Ka'upulehu Development Committee, Ka'ūpūlehu, Hawai'i. (2005).

Guest Speaker, Na Pua No'eau Pathways Program, Moloka'i, Hawai'i. (2005).

Author "Assessing the vital signs of Hawai'i's reefs", Sea Grant Ka Pili Kai, Honolulu, Hawai'i. (2005).

Guest Speaker, Sea Grant Reef Talk, Kailua-Kona, Hawai'i. (2005).