

CURRICULUM VITAE

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EDUCATION

B.S., Coastal Carolina University, Conway, South Carolina (Marine Science and Biology, minor Chemistry, 2003)

Ph.D., University of Louisiana at Lafayette, Lafayette, Louisiana (Environmental and Evolutionary Biology, 2011), D. L. Felder, Advisor

PUBLICATIONS

- Windsor, A. M., and Felder, D. L. (2017). Corrigendum to: Molecular phylogenetic and taxonomic reanalysis of the family Mithracidae MacLeay (Decapoda : Brachyura : Majoidea). *Invertebrate Systematics* **31**, 232. doi:10.1071/IS13011_CO
- Harasewych, M. G., González, V. L., Windsor, A. M., and Halloran, M. (2017). The complete mitochondrial genome of *Cerion uva uva* (Gastropoda: Panpulmonata: Stylommatophora: Cerionidae). *Mitochondrial DNA Part B: Resources* **0**, 1–4. doi:10.1080/23802359.2017.1303343
- Harasewych, M. G., Windsor, A. M., Lopez-Vera, E., and Tomposon, F. G. (2015). On the phylogenetic relationships of the genus *Mexistrophia* and of the family Cerionidae (Gastropoda: Eupulmonata). **129**, 156–162.
- Windsor, A.M. and Felder D.L. 2014. Molecular phylogenetics and taxonomic reanalysis of the family Mithracidae MacLeay (Decapoda: Brachyura: Majoidea). *Invertebrate Systematics*. 28(2): 124-144.
- Lemaitre, R., Campos, N.H., Vilorio Maestre, E.A., and Windsor, A.M. 2013. Discovery of an alien crab, *Scylla serrata* (Forsskål, 1775) (Crustacea: Decapoda: Portunidae), from the Caribbean coast of Colombia. *BioInvasion Records*. 2(4):311-315.
- Windsor, A.M., and Ahyong, S.T. 2013. *Hyastenus baru*, A new species of spider crab from Indonesia (Brachyura, Majoidea, Epialtidae) with a key to the species of *Hyastenus*. *Crustaceana*. 86(6): 718-727.
- Windsor, A.M. and Felder, D.L. 2011. A new species of *Hemus* (Majoidea: Majidae: Mithracinae) from the Pacific coast of Panamá, with a key to the genus. *Zootaxa*. 2799: 63-68.
- Windsor, A.M. and Felder, D.L. 2009. Re-evaluation of species allied to *Mithrax hispidus* (Decapoda: Brachyura: Majoidea: Mithracidae) based on three mitochondrial genes. *Zootaxa*. 2302: 61-68.
- Felder, D.L., Dworschak, P.C., Robles, R., Bracken, H.D., Windsor, A.M., Felder, J., et al. 2009. Obvious invaders and overlooked infauna: unexpected constituents of the decapod crustacean fauna at Twin Cays, Belize. In: M.A. Lang, I.G. Macintyre, and K. Rutzler (Eds), *Smithsonian Contributions to the Marine*

Sciences. Smithsonian Institution Scholarly Press, Washington, D.C., pp. 181-188.

Windsor, A., Crowe, M., Bishop, J. 2005. Determination of temperature preference and the role of the enlarged cheliped in thermoregulation in male sand fiddler crabs, *Uca pugnator*. *Journal of Thermal Biology*. 30: 37-41.

PROFESSIONAL EXPERIENCE

October 2015-Present Commissioner's Fellow, Food and Drug Administration. Focus on taxonomic issues in decapod crustaceans that affect food labeling and food safety.

February 2013-October 2015 Support Scientist, National Museum of Natural History, Smithsonian Institution. DNA sequencing and data management for projects focused on marine invertebrate biodiversity and phylogenomics.

July 2012-January 2013 Endeavour Awards Postdoctoral Research Fellow, Australian Museum. Collections-based research on phylogenetics and systematics of members of the superfamily Majoidea primarily inhabiting deep waters of the western Pacific Ocean. Development of nuclear markers for genetic analyses, and description of new species based on molecular and morphological data.

July 2012 Diversity Project postdoctoral research, Decapod diversity survey of Banda Aceh, Sumatra, Indonesia. Field expedition to Banda Aceh, Sumatra with two American and three Indonesian students for training in collection of decapod crustaceans inhabiting dead *Pocillopora* coral heads using SCUBA for voucher-based molecular phylogenetics and community analyses.

June-July 2012 Assistant Instructor. UCLA Diversity Project. Marine Biodiversity of the Coral Triangle: lectures covering biodiversity of Decapod and Brachyura instruction and supervision of tissue sampling for DNA analysis. Temporary laboratory set-up and management.

2011-2012 Contract Invertebrate Zoology DNA barcode technician, Laboratories of Analytical Biology, Smithsonian Institution: DNA barcode sequencing, extraction method development, PCR optimization for diverse marine invertebrate taxa, intern and visiting researcher training.

June-July 2011 Assistant Instructor. UCLA Diversity Project. Marine Biodiversity of the Coral Triangle: lectures covering biodiversity of Phylum Crustacea and Order Decapod and instruction and supervision of tissue sampling for DNA analysis.

2004-2008 UL Doctoral Fellow, University of Louisiana at Lafayette, Doctoral research:

Molecular phylogenetics and systematics of the decapod superfamily Majoidea

2008-2010 Graduate Research Assistant: Curation and database management of University of Louisiana at Lafayette Zoological collection (ULLZ)

Responsibilities included identifying, cataloging, and general curation of fresh and alcohol-preserved specimens of decapod crustaceans as well as digitizing 35mm color slides of specimen vouchers

2007 Field research at Caribbean Coral Reef Ecosystem site, Carrie Bow Cay, Belize:

Collection and field identification of decapod crustaceans from shallow, inter- and sub-tidal reef and sea grass communities.

2007 Smithsonian Intern, Department of Invertebrate Zoology – Crustacea, National Museum of Natural History, Smithsonian Institution. Sorted and identified specimens of western Atlantic hermit crabs, Advisor: Dr. Rafael Lemaitre

2006 Smithsonian Intern, Department of Invertebrate Zoology – Crustacea, National Museum of Natural History, Smithsonian Institution. Sorted and identified anomuran, brachyuran, and caridean crustacean specimens collected from Colombia and Dominican Republic, Advisor: Dr. Rafael Lemaitre

2003-2004 GIS research technician, Coastal Carolina University, South Carolina
Historical coastal erosion analysis. Created maps of the South Carolina coast using both historical and contemporary shoreline benchmark measurements in the software programs ArcMap and ArcView

TEACHING EXPERIENCE

Smithsonian Institution:

2011-2013 UCLA Diversity Project: decapod diversity & voucher-based sampling.
Instructed students about diversity of the order Decapoda and importance of museum collections with emphasis on Indo-Pacific coral reef taxa and proper tissue sampling and record keeping for voucher-based specimen collection and sequencing.

2011-2012 Laboratory training: trained new technicians and visiting scientists and students in laboratory techniques and protocols within the Laboratories of Analytical Biology

University of Louisiana at Lafayette:

2010 Evolution and Adaptation of the Arthropods: Instructed one laboratory section introducing students to anatomy, systematics, and biodiversity of arthropods with an emphasis on decapod crustaceans

2008-2010 Advanced Anatomy and Physiology: Instructed two laboratory sections covering detailed anatomy of the sensory, nervous, respiratory, and digestive systems

2007-2008 Introduction to Anatomy and Physiology: Instructed two laboratory sections introducing anatomy of the skeletal, nervous, respiratory, and digestive systems

2006 Introduction to Biology: Instructed one laboratory section introducing biological concepts such as ecology, genetics, and systematics

2005- 2006 General Physiology: Instructed one laboratory section covering basic physiological mechanisms

Coastal Carolina University:

2001-2003 Biology and Chemistry Workshop leader: Led practice and review sessions for students covering materials presented in lectures.

2001-2003 Writing Center Consultant: Assisted students with brainstorming, composition, and revision of writing assignments in all disciplines.

PRESENTED PAPERS AT PROFESSIONAL MEETINGS

DNA Barcoding of Dead Coral Head Communities Confirms Coral Triangle is Decapod Diversity Hotspot. International Crustacean Congress 8, Frankfurt Germany, 18-23 August 2014. (With C. Meyer, N. Knowlton, A.G. Collins, G.N. Mahardika, et al.) Oral Presentation.

Molecular Phylogenetic Analyses of *Ebalia* and *Lithadia* Show Need for Morphological Revision. International Crustacean Congress 8, Frankfurt Germany, 18-23 August 2014. (With, D.L. Felder). Poster Presentation.

Molecular phylogenetics and taxonomic reanalysis of the family Mithracidae MacLeay,

- 1838 (Decapoda: Brachyura: Majoidea). The Crustacean Society, San José, Costa Rica, 7-11 July 2013. (With D.L. Felder). Oral presentation
- An Updated Molecular Phylogeny of the Superfamily Majoidea (Decapoda: Brachyura). Annual meeting, The Crustacean Society, San José, Costa Rica, 7-11 July 2013. (With S.T. Ahyong & D.L. Felder). Poster presentation
- Genetically Redefined Clades of Majoidea are Ecologically and Functionally Informative. Annual meeting, The Crustacean Society, Honolulu, Hawaii, 6-9 June 2011. (With D.L. Felder). Poster presentation
- Molecular phylogeny of Majoidea (Decapoda: Brachyura): answers and new questions for a problematic superfamily. 7th International Crustacean Congress, Qindao, China, 20-25 June 2010. (with F. Palero and D.L. Felder). Poster presentation.
- Evaluating the validity of the family Inachoididae Dana, 1851 (Brachyura: Majoidea). Annual Meeting, The Crustacean Society and Carcinological Society of Japan, Tokyo, Japan, 20-24 September 2009. (with D.L. Felder). Oral presentation
- A tree of life phylogeny for the Decapoda. Annual Meeting, The Crustacean Society and Carcinological Society of Japan, Tokyo, Japan, 20-24 September 2009. (with H. Bracken, D.L. Felder, J.W. Martin, R. Robles, B. Thoma, E. Palacios-Theil, M. Finley, J. Rassmussen, and K.A. Crandall). Oral presentation.
- Incongruence between molecular data and morphological classification in four species of the genus *Mithrax* Desmarest, 1823 (Majoidea, Mithracidae). Annual meeting, The Crustacean Society, Galveston, Texas 9-13 June 2008. (with D.L. Felder). Oral presentation.
- Decapod crustaceans of Twin Cays, Belize: obvious invaders and overlooked cryptics. Smithsonian Marine Science Symposium. 15 November 2007. (with D. L. Felder, R. Robles, R. Lemaitre, H. Bracken). Poster presentation.
- Thermoregulation in the fiddler crab *Uca pugilator* (Bosc, 1802). National Conferences on Undergraduate Research, Salt Lake City, Utah. 2003. Oral presentation.
- Thermoregulation in fiddler crabs; South Carolina Academy of Sciences, Clemson, South Carolina. 2003. (with M. Crowe). Poster presentation.

ACADEMIC AWARDS

- Consortium for the Barcode of Life Barcoding Grant: 2015. Towards a Carrie Bow Biocode. Smithsonian National Museum of Natural History.
- Endeavour Awards Postdoctoral Research Fellowship. 2012. Department of Education, Employment, and Workplace Relations, Canberra, Australia.
- Award for support of research. 2012. Diversity Project Post-Doctoral Research field funding in Indonesia. UCLA
- Award for support of research. 2006-2010. E.B. Stueben Student Support Fund, University of Louisiana at Lafayette
- Research Funds Grant, Graduate Student Organization. 2004-2010. University of Louisiana at Lafayette
- UL Doctoral Fellowship, University of Louisiana at Lafayette. 2004-2008. Stipend during doctoral research
- The Crustacean Society Graduate Student Fellowship. 2007. For travel to Los Angeles County Museum to examine crustacean holdings
- Smithsonian Internship, National Museum of Natural History, Smithsonian Institution. Summer 2006, 2007.

PROFESSIONAL AFFILIATIONS (past and present)

The Crustacean Society

The Biological Society of Washington

Society for Integrative and Comparative Biology

ADDITIONAL SKILLS

AAUS Scientific SCUBA Diving Certified 2012-present

NAUI Open Water I SCUBA certification 2001

Geneious Pro genomic analysis software

Adobe Photoshop & Illustrator

OUTREACH

Crustacean Frustration, Invasion! National Invasive Species Day, National Museum of Natural History.