

University of South Carolina
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Education:

- Ph.D. Environmental and Evolutionary Biology— (1992) University of Louisiana (ULL), Lafayette (DL Felder, chair). Dissertation title: Patterns of differentiation among nearshore decapod crustacean complexes of the western Atlantic.
- M.S. Zoology— (1986) University of Maryland, College Park (DB Bonar and SD Sulkin, co-chairs). Thesis title: Impact of starvation on early and late development in larval marsh crabs, *Sesarma* spp. (Decapoda: Brachyura: Grapsidae).
- B.S. Zoology— (1982) North Carolina State University, Raleigh.

Professional experience:

- Founding Dean, Science and Mathematics— University of South Carolina, Beaufort, July 2017-present.
- Chair, Natural Sciences— University of South Carolina, Beaufort, July 2016-June 2017.
- Professor of Biology— University of South Carolina, Beaufort, August 2015-present.
- Associate Professor of Biology— University of South Carolina, Beaufort, August 2007-2015.
- Assistant Professor and Interim Chair of Biology Program— University of South Carolina, Beaufort, August 2006-2007.
- Assistant Professor of Biology— University of South Carolina, Beaufort, August 2003-2007.
- Research Assistant Professor— Baruch Institute, Univ. South Carolina, Columbia, 1998-2003.
- Postdoctoral Fellow— Museum of Comparative Zoology, Harvard Univ., Cambridge, 1997-1998.
- Postdoctoral Fellow— Dept. Biology, University of California, Los Angeles, 1995-1997.
- Postdoctoral Fellow— Dept. Biology, University of Michigan, Ann Arbor, MI, 1993-1995.
- Postdoctoral Fellow— Smithsonian Marine Station at Link Port, Fort Pierce, FL, 1992-1993.
- Research Fellow—NMFS/Southeastern Fisheries Center, Galveston Lab., Galveston, TX, 1992.
- Teaching Assistant — Department of Biology, ULL, Lafayette, LA, 1986-92.
- Sea Grant Fellow— Horn Point Environmental Lab., University of Maryland, Cambridge, MD 1985-86.
- Teaching Assistant— Department of Zoology, Univ. of Maryland, College Park, MD 1984-1985.
- Research Assistant— Department of Zoology, N. C. State University, Raleigh, NC 1983-1984.
- Assistant Curator of Invertebrates— North Carolina State Museum, Raleigh, NC 1983.

Administrative Experience:

As founding Dean of the School of Science and Mathematics, I have spent a large portion of my effort in developing many of the standard institutional practices of the position. Some of these campus-wide initiatives started prior to the Dean position existing, some of these campus-wide initiatives actually began prior to being Chair or as Faculty Senate Chair, with the focus on development of collaborative undergraduate research and scholarship and to increase internships in the school and university.

- Charged with plan to revitalize the Beaufort Campus in Historic Beaufort, South Carolina. When the USCB Bluffton campus opened in 2004, it became the growth and focus with the first student housing in the school's history. As classroom utilization peaked in Bluffton, we began a multiphase reinvigoration campaign to revitalized the

campus in Beaufort, established in the USC system in 1959, but founded as Beaufort College in 1795:

- Created block programming for STEM students to take freshman/sophomore level courses in Beaufort to occupy under-utilized science lab facilities two days per week.
- Created and programmed a two-year residential Honors program at the Beaufort campus for Biology and Nursing programs to attract and retain students with higher entrance qualifications.
- Worked with local entrepreneurs to help develop new housing for the Beaufort campus just outside the historic district (the town of Beaufort was founded in 1711).
- Developed a new program concentration in Marine Biology focused on the Beaufort campus to start in fall 2020 providing four-year full curriculum.
- Worked with Computer Sciences and a local citizens group to create a pathway for a new Cybersecurity program, starting with an application for the NSA's Center of Academic Excellence program to enter the first stages of development.
- Developed rotating schedule for science curriculum for both honors majors and recruited first and now second cohorts of residential Honors students.
- Serve as the faculty advisor for all Biology honors students in the residential cohort.
- Taught in the honors college with other faculty (I maintain 50% teaching load 2/2).
- Emphasized the importance of student engagement in research and active internships across all programs
 - Developed first regular Department of Biology seminar series on USCB campus in 2013, and currently still attracting high-caliber speakers locally, regionally and nationally
 - Built the biology program after becoming the sole tenure-track faculty member in 2006, which became the largest major in fall 2019—Growth of over 110% in majors the past 5 years.
 - Helped create on-line biology courses to complete support for a fully on-line General Education component for USCB, as well as to serve the pre-Nursing, pre-professional curricula at USCB.
 - Working this summer to create an on-line training course to help faculty transition from the current remote instruction delivery to crafted on-line delivery in the face of not returning to in-class instruction in the fall of 2020
 - Established the first administrative-supported start-up packages for STEM faculty hires
 - Negotiated research lab renovations for the Marine Biology Program in Beaufort to foster the planned academic concentration.
 - Started committee to create the first Student Research and Scholarship Day in 2009. Last year, 3% of all undergraduates participated, campus-wide. Several students also participate annually in the system-wide equivalent at USC-Columbia and have taken first place in their research category <https://researchday.uscb.edu>
 - Outfitted the new Science and Technology Building with teaching and research equipment for fall 2005 opening, in its entirety for the life sciences.
- Advocated for pay parity for Faculty and raises adjunct professors to system-wide levels

- Oversaw the creation of new programs and new departments:
 - Development and approval of Secondary Education – Biology
 - Development and pending approval by SC Commission of Higher Education of new Marine Biology concentration
 - Development of new Biochemistry concentration
 - Separation of the Mathematics and Computer Science department into distinct entities
- Involved in accreditation of the following new programs through approval process:
 - Newly approved degree in Mathematics
 - Newly approved degree in Secondary Education in Mathematics
 - Change of level status to award Masters degrees
 - Newly approved Masters in Computational Science (first M.S. at USCB)
 - Development of new degree in Informational Science and Technology
- Completed recent SACS-COC review (on-site visit fall 2018) with minimal issues for the School and its departments
- Completed a SACS-COC review for change-of-level Masters in Computational Science (onsite visit fall 2019)
 - Moderate rework of structuring student learning outcomes for assessment
 - Development of specific criteria for co-listed senior-/grad-level courses to distinguish independent/different Student Learning expectation levels
- Course creative development:
 - “Life and Death in the Salt Marsh:” Field course in salt marsh ecology during Maymester. Intensive overview of physical and biological structure of salt marshes, followed by student hypothesis, experimental design, implementation and reporting of results in an end-of-course mini-symposium
 - “Dirty Words and Pictures:” Plan for an interdisciplinary approach course to Ecology of the Lowcountry of South Carolina for majors or non-majors. Three faceted course emphasizing creative writing (Staff with MS in Screenwriting), photography and photo-editing (art faculty with MFA in digital media), and ecological/biological interpretation (myself) of the environment and biological diversity of the region. Students create a portfolio of their work as the course project to carry with them.
 - “Milestones in the Development Scientific Thought:” Non-majors general science or history credit to use the major shifts in scientific paradigms from the time of the Renaissance to the present (with Timothy M. James).
- Worked closely with department chairs to develop better and more comprehensive/sustainable assessment methods and testable Student Learning Outcomes
- Created the first board for the School of Science and Mathematics comprised of civic and industry leaders in Science and the environment.

Teaching Experience:

Biological Principles I (BIOL B101) (majors), Biological Principles II (BIOL B102) (majors), Fundamental Genetics (BIOL B303) (majors), Biology of Marine Organisms (BIOL B411) (majors), Invertebrate Zoology (BIOL B410) (majors), Life and Death in the Salt Marsh (BIOL B448) (majors), Biological Seminar (BIOL B295) (majors), Honors Seminar in

Biology (BIOL B100H) (majors), Forensic Techniques and Data Analysis (BIOL B451) (majors), Developmental Biology I (BIOL B405 & B405L) (majors), Cell & Molecular Biology (BIOL B302 & 302L) (majors), Oceans and Society (MSCI B210) (non-majors)

USC—Columbia

Population Genetics (BIOL/MSCI 552) with Joe Quattro (majors).

Grants Authored (total funding received to-date \$385K, \$60K at USCB, **last 10 years**):

USCB Sea Islands Institute grant. “Developing microsatellite loci protocols for *Palaemonetes pugio*.” \$5,000. 2015-2017.

USC EPSCoR-- SCIENTIFIC ADVOCATE NETWORK Track 3 Proposal. “Development of robust protocols for the amplification of microsatellite loci in marine invertebrates.” \$10,000. 2013-2014

Research Initiative for Summer Engagement (RISE): “SIMMER Phase I: Developing an Electronic Genetics Recitation.” PI with **BA Canada** (Computational Science). \$5,000. 2013. Hired Computational Science interns to create on-line tutorial support, with a general structure that could be applied to any problem-driven STEM education course.

Sea Islands Institute: “Developing Genetic Tools to Track Marine Larvae in the Estuary.” PI, \$5,000. 2012.

WCU NOAA Internal Proposal: “Monitoring of coastal wetland plant community change under a regime of sea level rise: Implications for marsh migration and carbon sequestration.” With BR Tanner, Subcontract \$5,000 for USCB student intern salaries 2011-2012.

2009-2010 Sea Island Ecotourism and Sustainability, Beaufort County Workforce Investment Act Incumbent Worker Training Program, \$10,205, co-PI with **J Salazar** and **R. Landrum**.

Other Grants (unfunded, last 10 years):

NSF: RCN - UBE: “A Multi-campus Collaborative Network for the Development and Implementation of Early Undergraduate Field and Laboratory Experiences.” 2018. With **SA Borgianini** and **K Madden**. \$49,838.

Advanced Support Program for Innovative Research Excellence-III (ASPIRE-III) 2016 “Upgrading underperforming GC/MS instrumentation and data handling and analysis capabilities to support research efforts at USC Beaufort” with **SA Borgianini** (PI), **EW Montie**, **EL D’Antonio**, and **GD Sproul**. \$86,361.00.

Beaufort County Community Services 2015 Grant “Tree Canopy Cover and its Effects on the Urban Heat Island Phenomenon on Hilton Head Island” with **SA Borgianini** \$18,000

Advanced Support Program for Innovative Research Excellence-I (ASPIRE-I) Track IV Funds for Senior Faculty “Development of microsatellite loci for investigating mating systems and biogeographic variation in *Palaemonetes pugio* Holthuis, 1949.” \$15,000. (Submitted 2014)

USCB Sea Islands Institute grant: “Assessing the rate of erosional processes on our barrier islands.” PI with Co-PI BR Tanner, WCU (Geology)— \$5000. (submitted 2012)

NSF-OCS: “RUI: Modeling larval transport in tidally influenced rivers along the South Atlantic Bight.” PI, Co-PI **SA Borgianini** (Natural Sciences)— \$ 674,408. (submitted 2012)

NEH- Enduring Questions Program “How Do We Know?” CoPI with **TM James** (History)— \$25,000. Program proposal to start an interdisciplinary course on the major turning points in the shaping of modern science. (submitted 2012)

S.C. Sea Grant Consortium “Monitoring Spawning Behavior of Sciaenids and Environment Variables Using Passive Acoustics - A Citizen Science Action Program” (co-PI w/ **EM Montie**)— \$111,000. (submitted 2011)

- Resubmitted to NSF-OCS: “Coupling Estimates of Larval Dispersal with Tidal Model Predictions in the Estuarine Crab *Uca minax*.” PI with **SA Borgianini**, DM Allen (Baruch Marine Lab-USC)— \$615,720. (submitted 2010)
- NSF: “STEMS to AWNES: Addressing Workforce Needs in the Environmental Sciences.” Senior personnel — \$600,000 (submitted 2010)
- EPA “The Lowcountry Ecotourism and Sustainability Certificate Program.” Co-PI with **J Salazar** (Hospitality) and **R Landrum** (History) 2009. \$47,029.

Research Articles:

- Staton JL, Canada BA, Borgianini SA, Barkel KL. 2020. “Colonization of coastal and estuarine environments,” in G. Poole & M. Thiel, eds., *The Natural History of Crustacea*, New York: Oxford University Press, 2020. July 2020.
- Staton JL. 2015. Understanding phylogenies: Constructing and interpreting phylogenetic trees. *Journal of the South Carolina Academy of Science* 13(1): 23-28.
- Staton JL, **Borgianini SA**, Gibson IB*, Brodie RJ, Greig TW. 2014. Limited gene flow in *Uca minax* (LeConte 1855) along a tidally influenced river system. *Central European Journal of Biology*. 9(1): 28-36. DOI: 10.2478/s11535-013-0200-7
- Staton JL, Wickliffe LC*, Garlitska L, Villanueva SM**, Coull BC. 2005. Genetic isolation discovered among previously described sympatric morphs of a meiobenthic copepod. *Journal of Crustacean Biology* 25(4): 551-557.
- Brodie RJ, Behum ME**, Monroe E*, Glenn N, Staton JL. 2005. Recruitment to adult habitats following marine planktonic development in the in the fiddler crabs, *Uca pugnator*, *Uca pugnax* and *Uca minax*. *Marine Biology* 147(1): 105-111.
- Behum ME**, Brodie RJ, Staton JL. 2005. Distribution of juvenile *Uca pugnax* and *Uca pugnator* across habitats in a South Carolina estuary, assessed by molecular techniques. *Marine Ecology Progress Series* 288: 211–220.
- Staton JL, Taylor BE, Schizas NV**, Wetzer R**, Glenn TC, Coull BC. 2003. Mitochondrial gene diversity of *Skistodiatomus mississippiensis* in impoundments of the Upper Coastal Plain near Aiken, South Carolina, USA. *Archiv für Hydrobiologie* 158(2): 215-231.
- Staton JL. 2003. Phylogenetic inference based on a 654-bp portion of the mitochondrial cytochrome oxidase *c* subunit I gene from 13 sipunculan genera. *Invertebrate Biology* 122(3): 252-264.
- Glenn TC, Staton JL, Vu A*, Davis LM**, Alvarado-Bremer J, Rhodes W, Elsey RM, Brisbin IL, Sawyer RH. 2002. Low mitochondrial DNA variation among American alligators and a novel non-coding region in crocodylians. *Journal of Experimental Zoology [Molecular and Developmental Evolution]*. 294: 312-324.
- Staton JL, Schizas NV**, Klosterhaus SL**, Griffitt RJ**, Chandler GT, Coull BC. 2002. Effect of salinity variation and pesticide exposure on an estuarine harpacticoid copepod, *Microarthridion littorale* (Poppe 1881), in the southeastern US. *Journal of Experimental Marine Biology and Ecology* 278(2): 99-108.
- Boore JL, Staton JL. 2002. The mitochondrial genome of the sipunculid *Phascolopsis gouldii* supports its association with Annelida rather than Mollusca. *Molecular Biology and Evolution* 19(2): 127-137.
- Dawson MN**, Staton JL, Jacobs DK. 2001. Phylogeography of the endangered tidewater goby, *Eucyclogobius newberryi* (Teleostei, Gobiidae), in coastal California. *Evolution* 55(6): 1167-1179.
- Staton JL, Schizas NV**, Chandler GT, Coull BC, Quattro JM. 2001. Ecotoxicology and population genetics: the emergence of “phylogeographic and evolutionary ecotoxicology.” *Ecotoxicology* 10(4): 217-222.

- Jacobs DK, Wray CG, Wedeen CJ, Kostriken R, DeSalle R, Staton JL, Gates RD, Lindberg DR. 2000. Molluscan *engrailed* expression, serial organization and shell evolution. *Evolution & Development* **2**(6): 340-347.
- Staton JL, Foltz DW, Felder DL. 2000. Genetic variation and systematic diversity in the ghost shrimp genus *Lepidophthalmus* (Crustacea: Decapoda: Thalassinidea). *Journal of Crustacean Biology* **20**(special issue 2): 157-169.
- Felder DL, Staton JL. 2000. *Lepidophthalmus manningi*, a new ghost shrimp from the southwestern Gulf of Mexico (Decapoda: Thalassinidea: Callinassidae). *Journal of Crustacean Biology* **20**(special issue 2): 170-181.
- Staton JL, Rice ME. 1999. Genetic differentiation despite teleplanic larval dispersal: allozyme variation in sipunculans of the *Apionsoma misakianum* species-complex. *Bulletin of Marine Science* **65**(2): 467-480.
- Staton JL, Daehler LL, Brown WM. 1997. Mitochondrial gene arrangement of the horseshoe crab *Limulus polyphemus* L.: Conservation of major features among arthropod classes. *Molecular Biology and Evolution* **14**(8): 867-874.
- Turbeville JM, Staton JL, Brown WM. 1997. Amplification of the complete mitochondrial genome of two protostome worms: a useful technique for comparative studies of metazoan mitochondrial DNA. *Molecular Marine Biology & Biotechnology* **6**(2): 141-143.
- Staton JL, Felder DL. 1995. Genetic variation in populations of the ghost shrimp genus *Callichirus* (Crustacea: Decapoda: Thalassinidea) in the western Atlantic and Gulf of Mexico. *Bulletin Marine Science* **56**(2): 523-536.
- Felder DL, Staton JL. 1994. Genetic differentiation in trans-Floridian species complexes of *Sesarma* and *Uca* (Crustacea: Decapoda: Brachyura). *Journal of Crustacean Biology* **14**(2): 191-209.
- Staton JL, Felder DL. 1992. Osmoregulatory capacities in disjunct western Atlantic populations of the *Sesarma reticulatum* complex (Crustacea, Decapoda, Grapsidae). *Journal of Crustacean Biology* **12**: 335-341.
- Staton JL, Sulkin SD. 1991. Nutritional requirements and resistance to starvation in larvae of the brachyuran crabs *Sesarma cinereum* (Bosc) and *S. reticulatum* (Say). *Journal of Experimental Marine Biology & Ecology* **152**: 271-284.
- *denotes undergraduate author **denotes graduate student author
- Citation metrics for publications:**
Total publications – 33; Total citations – 1040 (*H*-index – 17 *i10*-index – 19 [calculated by Google Scholar – 7 October 2020])
- Book chapters and published abstracts, (7 total):**
- Griffith A, Young RS, Staton J, Morgan, D. 2012. Examining the physical and economic impacts of sea-level rise at the community level: Hilton Head Island, SC. Geological Society of America Abstracts with Programs, Vol. 44, No. 4, p. 75. Southeastern Section - 61st Annual Meeting (1–2 April 2012).
- Griffith AD, Young RS, Staton J, Morgan D. (2011) Potential impacts of sea level rise on Hilton Head, SC. Geological Society of America Abstracts with Programs, Vol. 43, No. 5, p. 619. National meeting, Minneapolis, MN (9-12 October).
- Staton JL. 2011 (December). Homology in Character Evolution. In: eLS. John Wiley & Sons, Ltd: Chichester. DOI: 10.1002/9780470015902.a0001776.pub2.
- Pereira G, De Stefano H, Staton J, Farrell B. 2002. Phylogenetic relationships in some species of the genus *Macrobrachium* based on nucleotide sequences of the mitochondrial gene cytochrome oxidase I. Pp. 319-322. In: Escobar-Briones E, Alvarez F (eds) *Modern Approaches to the Study of Crustacea*. Kluwer Academic/Plenum Publishers.
- Staton JL. 2000. Homology in character evolution. In: *Encyclopedia of Life Sciences*, McMillan, London.

- Staton JL. 2000. (contributor) Early development of the echiuran *Urechis caupo*. In: *Atlas of Invertebrate Reproduction and Development*. 2nd ed., Conn DB, Ed. John Wiley & Sons, New York.
- Jacobs DK, Lee SE**, Dawson MN**, Staton JL, Raskoff KA**. 1998. The history of development through the evolution of molecules: Gene trees, hearts, eyes, and dorsoventral inversion. Pp. 323-355 In: *Molecular Approaches to Ecology and Evolution*, DeSalle R, Schierwater B (eds) Birkhauser Verlag, Basel.

Popular publications, and book reviews (7 total):

- Staton JL. 2013. It's Natural. Sea Islands Institute Blog:
<http://uscbseaislandsinstitute.wordpress.com/2013/08/28/its-natural/>
- Staton JL. 2013. The World on a Doorstep. Sea Islands Institute Blog:
<http://uscbseaislandsinstitute.wordpress.com/2013/04/03/worm-blog/>
- Staton, J.L. 2005. Review of "Marine Biology, 5th edition. By Castro, P. and M. E. Huber. McGraw Hill Higher Education" *Journal of Crustacean Biology* **26**(1): 103–104.
- Staton J. 2002. Meiofauna -An estuarine "canary?" Baruch Briefs. Spring issue.
- Staton J. 1998. Tastes like chicken? *Annals of Improbable Research* **4**(4): 5-9.
- Staton JL. 1996. Review of "The Sipuncula: Their Systematics, Biology, and Evolution.—Edward B. Cutler. 1994." *Systematic Biology* **45**(2): 254-255.
- McKinnon JS, Staton JL. 1996. Review of "The Evolutionary Biology of the Threespine Stickleback." Bell MA, Foster SA (eds.). *Copeia* **1996**(2): 502-504.

Research in progress:

- Staton JL, Canada BA. SIMMER: Genetics. An electronic recitation software platform.

Seminars (last 10):

- 2018 "Species richness and endemism worldwide: how endemic is endemic?" Marine Science Program, Jacksonville University, Jacksonville Florida. 15 November.
- 2017 "Evolution on LARGE and SMALL scales." Marine Science Program, Jacksonville University, Jacksonville Florida. October.
- 2016 "The Biology of the Jelly Animals." w/ Kim Ritchie. USCB OLLI Program. 31 October.
- 2016 "Endemism, species ranges and dispersal." Marine Science Program, Jacksonville University, Jacksonville Florida. October.
- 2015 "Worms in and around the reef." Georgia Southern University, October 12.
- 2014 "Biogeography and ecology of sessile worm species, is the larva the thing?" Armstrong State University, October.
2014. "Biogeographic distribution of *Phragmatopoma lapidosa*, a amphitropical species?" Marine Science Program, Jacksonville University, Jacksonville Florida. October.
2013. "Biogeography and ecology of sessile worm species, is the larva the thing?" Marine Science Program, Jacksonville University, Jacksonville Florida.
2013. "Biogeography and ecology of sessile worm species, is the larva the thing?" USC-Beaufort, Natural Sciences Seminar Series. Fall semester.
2012. "Biogeography, larval ecology, and genetics of marine species." Marine Science Program, Jacksonville University, Jacksonville Florida.

Invited Talks:

2014. "Examining the physical and economic impacts of sea-level rise at the community level: Hilton Head Island, SC." Charles E. Fraser Sustainable Resort Development Conference, Sea Pines Resort, Hilton Head Island, 6 & 7 May, 2014.

2002. "Using molecular methods to identify cryptic invertebrate species." "Life Histories of Marine Invertebrates" A Symposium in Honor of Mary E. Rice, Smithsonian Marine Station at Fort Pierce, Florida. November 14 & 15, 2002.
1999. "Preliminary report of the isolation of the GABA-receptor locus of the harpacticoid copepod, *Microarthridion littorale* Poppe 1881." The Crustacean Society summer meetings, Lafayette, LA.
1997. "A graphical approach to gene-flow analysis: linear regression of genetic distance across geographic range in five decapod species from the Gulf of Mexico." The Crustacean Society Summer Meetings, Dauphin Island, AL.
1989. "Genetic differentiation in coastal callinassid populations of the Gulf of Mexico and the Carolinian Atlantic." Crustacean Society and ASZ, Boston, MA.

Presentations (since 2007):

- 2017 "Potential Impact of Sea-level Rise on a Beach Community: Hilton Head Island, SC" USCB/Indivisible Environmental Symposium. 28 October at USCB
2014. "*Amphitrite ornata* erythrocytochrome oxidase functions with substantial dehaloperoxidase activity." With VR Hearn*, LA Presnar*, SA Borgianini, and EL D'Antonio. The 66th Southeastern Regional Meeting of the American Chemical Society 16-19 October, Nashville, TN
2014. "Osmotic partitioning in the pickleweed, *Salicornia virginica*" with RA Player, SA Borgianini. Southeastern Estuarine Research Society meetings, 13-15 February, Savannah, GA
2013. "A genetic comparison of populations of the sabellariid polychaete *Phragmatopoma lapidosa* in the western Atlantic." with T Massey*, J Shira*, D McCarthy. Benthic Ecology Meetings. 20-23 March, Savannah, GA.
2013. "Haplotype distribution in a tidally influenced freshwater river system." with SA Borgianini, RJ Brodie. Benthic Ecology Meetings. 20-23 March, Savannah, GA.
2012. "Limited gene flow in *Uca minax* (LeConte 1855) along a linear estuary." with SA Borgianini, IB Gibson*, RJ Brodie. Southeastern Estuarine Research Society meetings, 19-21 October. University of North Florida, Jacksonville.
- 2012 "Limited gene flow in *Uca minax* (LeConte 1855) along a linear estuary." with SA Borgianini, IB Gibson*, RJ Brodie, TW Greig. The Crustacean Society Summer joint meeting with Colloquium Crustacea Decapoda Mediterranea, Athens, Greece, 3-7 June 2012.
2007. "Phylogeography of a cosmopolitan harpacticoid copepod: a preliminary report." with J. Baguley, B. Coggins*, and B.C. Coull. 13th meeting of the International Association of Meiobenthologists. Recife, Brazil, 28 July–3 Aug. (invited session chair)
2007. "Genetic diversity along a tidally influenced river in South Carolina." with S. Borgianini and R. Brodie. SouthEastern Population Ecology and Evolutionary Genetics, 33rd meeting. Great Smoky Mountains Institute, TN 21-23 Sep.
2007. "Haplotype distribution in a tidally influenced freshwater river system." with S. Borgianini and R. Brodie. Benthic Ecology Meetings. GA Tech, Atlanta. March 21-24
2007. "Are there costs of living differences on a single river?" with J. Mraz*, S. Borgianini, R. Bier* and R. Brodie. Benthic Ecology Meetings. GA Tech, Atlanta. March 21-24

Service:

Professional service:

Reviewer for:

Biological Journal of the Linnean Society (since 2014)

Chinese Journal of Oceanology and Limnology (since 2013)

Bulletin of Marine Science (since 1997)
Copeia (since 2004)
Herpetologia (since 1988)
Journal of Crustacean Biology (since 1993)
Journal of Heredity (since 2000)
Journal of Molecular Evolution (since 2003)
Journal of Shellfish Research (since 2005)
Marine and Freshwater Research (since 2001)
Marine Ecology Progress Series (since 2008).
Molecular Phylogenetics and Evolution (since 1999)
NSF Division of Environmental Biology Grants Program (since 1994)
Proceedings of the Biological Society of Washington (since 1997)
Southeastern Naturalist (since 2002)

Planner and host for Spring 2016 Southeastern Estuarine Society meeting with over 100 attendees. First scientific conference held at USCB Hilton Head Gateway Campus.

Advanced Placement Biology Exam reader for Educational Testing Service, Princeton, NJ (compensated) – Served as a reader (grader) of the ETS AP examinations for 6 years (2008-2014 [excluding 2013]). Grade national exams for the ETS yearly exam (~150K+ exams annually)

Committee work and University Service:

- Faculty Senate Chair (2015-2017)
- Faculty Senate Chair Elect (2013-2015)
- Satisfactory Academic Progress Appeals Board (Chair, 2009 to present).
- Third year review Committee 2013-2014
- Faculty Welfare Committee (Chair-2009).
- Library Committee (2009).
- Faculty Development Committee (Co-Chair 2010, Chair, 2011, member to 2015)—performed third-year reviews with Dr. John Salazar in 2010
 - Organized a series of meetings on Overcoming Barriers to Scholarship to advance research and scholarship of the USCB faculty (2011).
 - Organized and scheduled University-wide Brown-Bag Seminar series 2010-2012.
- Student Research and Scholarship Day— <http://researchday.uscb.edu>
 - 2009-2010 (first annual) – Judge and member of the Planning Committee.
 - 2010-2011 – Judge and member of the Planning Committee
 - 2011-2012 – Co-Chair with Susan Williams [Nursing], developer of the program, and hosted guest speaker Dr. John Palmour, Vice President of CREE, Inc. Helped develop a new electronic submission portal with Dr. Xuwei Liang to be used for SRSD registration and abstract submission (http://researchday.uscb.edu/manage_print_abstract_page.php).
 - 2012-2013 – Chair (co-Chair Dr. Rob Kilgore [English]) and implemented the development of the first electronic version of the SRSD program with Dr. Brian Canada: <http://researchday.uscb.edu/app/#home>
 - 2013-2016 Chair
 - 2016-present – planning committee member
- Faculty Manual Committee (Chair 2011, member 2010-2012)
- Member of the QEP Committee (2009-present)

- Served on the English tenure-track search for an 18th century Prose professor—hire of Molly Barnes, PhD.
- Served on the search for new EVCAA—hire of Eric Skipper, PhD.

Departmental service:

Biology Search Committees Chaired 5 department of Biology searches and served on one additional search since 2007:
Structural Biologist—hired Eric Montie, PhD

Greater Community:

Osher Lifelong Learning Institute (OLLI): “Tasty Edible Invertebrates” with Charles Keith (3 classes, 2008-2010)
OLLI: coordinated program with the Center for Humans and Nature at USC-Columbia entitled “Choices for Sustainable Living: Providing a Future for Your Grandchildren” with presentations by Bruce C. Coull (Dean Emeritus, School of the Environment, USC-Columbia); Trish Jerman (Manager, Policies and Programs, SC State Energy Office); and Dean Moss (General Manager, Beaufort-Jasper Water and Sewer Authority).
OLLI “Coastal Ecology Walk” with Steve Borgianini, two-hour nature walk explaining coastal geology and ecology of barrier island beaches. (Spring 2010, 2012, 2013, 2014, 2015)
OLLI: “Something’s Brewing @ USCB” (three-session course, Spring 2011)
OLLI: “Genetics 101 to Present” (two-hour presentation, Spring 2013)
OLLI: “People and Coastal Development” with Mr. Andy Coburn (PSDS, WCU), Mr. Adam Griffith (PSDS, WCU), and Dr. Stephen Borgianini. 24-25 June 2013.
OLLI: “The Jelly Animals” October 2016 with Kimberly Ritchie.