

CURRICULUM VITAE

Name and Title: James Bruce McClintock
Endowed University Professor of Polar and Marine Biology

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Education:

BA: University of California, Santa Cruz (1978); Biology. Senior Thesis: Variations in densities, distributions, and growth of three intertidal populations of *Strongylocentrotus purpuratus* (Stimpson) in relation to differences in intertidal height, temperature, and food availability. 17 pp.

MA: University of South Florida (1980); Zoology. Master Thesis: An optimization study of the feeding behavior of *Luidia clathrata* (Say) (Echinodermata: Asteroidea). 52 pp.

Ph.D.: University of South Florida (1984); Biology. Doctoral Dissertation: An optimization study of the feeding behavior of *Luidia clathrata* (Say) (Echinodermata: Asteroidea). 175 pp.

Employment:

1978–1980 Teaching Assistant, Department of Biology, University of South Florida

1980–1981 Research Assistant, Department of Biology, University of South Florida

1981–1984 Teaching Assistant, Department of Biology, University of South Florida

Summer 1984 Adjunct Instructor, Department of Biology, University of South Florida

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| 1984–1987 | Adjunct Instructor, Department of Biology, University of California, Santa Cruz |
| 1984–1987 | Postdoctoral Research Fellow, Institute of Marine Sciences, University of California, Santa Cruz |
| 1986–1987 | Visiting Faculty Member, Moss Landing Marine Laboratories, Moss Landing, California |
| 1987–1993 | Assistant Professor, Department of Biology, University of Alabama at Birmingham |
| 1993–1997 | Associate Professor, Department of Biology, University of Alabama at Birmingham |
| 1997–present | Adjunct Senior Marine Scientist, Dauphin Island Sea Laboratory |
| 1997–present | Full Professor, Department of Biology, University of Alabama at Birmingham |
| 1997–present | Graduate Training Program Faculty, Department of Pharmacology and Toxicology, University of Alabama at Birmingham |
| 1997–1998 | Acting Associate Dean of Natural Sciences and Mathematics, University of Alabama at Birmingham |
| 1998–1999 | Interim Dean of Natural Sciences and Mathematics, University of Alabama at Birmingham |
| 1999–2003 | Dean of Natural Sciences and Mathematics, University of Alabama at Birmingham |
| 2000–present | Senior Scientist, Cystic Fibrosis Research Center, University of Alabama at Birmingham |
| 2001–present | Endowed Professor of Polar and Marine Biology, University of Alabama at Birmingham |
| 2003–2005 | Interim Dean of the Graduate School, University of Alabama at Birmingham |
| 2003–present | University Professor, University of Alabama at Birmingham |

Honors and Awards:

Honors in major, University of California, Santa Cruz
College honors, University of California, Santa Cruz
Tuition fellowship, University of South Florida
Phi Sigma (1979–present; President of Beta Tau Chapter 1983–1984)
Sigma Xi (1979–present)
Bermuda Biological Station Educational Scholarship (offered 1982)
National Science Foundation Antarctic Service Award 1984
Smithsonian Postdoctoral Fellowship (offered 1986)
Omicron Delta Kappa 1989
UAB Ellen Abrams Ingalls Excellence in Classroom Teaching Recognition– School of Natural Sciences and Mathematics 1989
Honorary Member Golden Key National Honor Society 1992
Carmichael Award for outstanding publication, Alabama Academy of Science 1992
Listed in American Men and Women of Science 1993
Honorary Member Phi Kappa Phi 1993
Caroline P. and Charles W. Ireland Prize for outstanding UAB faculty scholar 1993
United States Board on Geographic Names designated the geographic feature “McClintock Point” in Western McMurdo Sound, Antarctica, October 6, 1998
Elected Fellow of the American Association for the Advancement of Science, 1999
Wright A. Gardner Award for Outstanding Scientist in Alabama, Alabama Academy of Science, 2001
Elected Board of Trustees Member, McWane Science Center, Birmingham, 2001–2006
Nominated by Dr. E.O. Wilson (Harvard University) for membership in the National Academy of Sciences (2001–2002 cycle)
Nominated by former UAB President Dr. Claude Bennett for membership in the American Academy of Arts and Science (2002–2003 cycle)
Tyge Christensen Award for best 2000–2001 paper published in *Phycologia*
Named “University Professor”, University of Alabama at Birmingham (2003–present)
CASE Award (Council for the Advancement and Support of Education for the UAB in Antarctica Web Site) (2005)
Raimondi Lecture Award (2005)
“Live the Dream” Award – Highest Award bestowed by Greater Birmingham Chamber of Commerce (2008)
Elected Fellow of the Alabama Academy of Sciences (2011)
UAB Provost’s Award for Faculty Excellence in Academic Engagement and Global Citizenship (2013)
UAB Odessa Woolfolk Community Service Award (2015)
Finalist, Reed Environmental Writing Award (2016)
Elected Fellow of the Explorer's Club (2016)

Memberships:

Society of Integrative and Comparative Biology
American Association for the Advancement of Science
Ecological Society of America
Association of Southeastern Biologists
Bodega Marine Science Association

Alabama Academy of Sciences
Sigma Xi
The Antarctic Society
International Society of Chemical Ecology

Administrative Experience at the University of Alabama at Birmingham (shown are activities at the college level or above only):

NSM Blood Drive Committee (1987–1988)
NSM Marshall – Graduation Ceremonies (1989)
UAB Pre-Health Advisory Committee (1989–1990)
UAB Review Committee – NASA Alabama Space Grant Fellowships (1990–1991)
UAB NSF young scholar’s program in the laboratory sciences – Life Sciences Coordinator (1989–1992)
UAB Early Medical School Acceptance Program – Panel Member (1991–1996)
UAB Research Advisory Committee – NSM Representative (1991–1992)
UAB Honor’s Symposium – NSM Representative (1991–1992)
UAB General Scholarship Committee (1993–1995)
UAB International Scholar Award Committee (1993–1994)
UAB Strategic Planning Committee (comprised of 10 UAB Senior Leaders) (1993–1997)
UAB representative on Mississippi-Alabama Search Committees for Directorship of Mississippi– Alabama Sea Grant Consortium (1994 and 1998)
UAB appointee for Marine Environmental Science Consortium and Public Policy Committee (1994–1995)
UAB appointee to review proposed MS program in the Marine Sciences at the University of South Alabama (1994)
UAB Visiting Scholar Ireland Award Committee (1995–1998)
UAB Study-Abroad Advisory Committee (1994–1998)
UAB Fulbright Committee (1995–1996)
UAB Sigma Xi Chapter – President Elect (1995–1996)
UAB Sigma Xi Chapter – President (1996–1997)
NSM Research Advisory Council (1996–1998)
UAB Graduate Student Research Committee (1996–1997)
Acting Associate Dean of the School of Natural Sciences and Mathematics (1997–1998)
UAB Ireland Distinguished Scholar Award Committee – Chair (1997–2000)
UAB Sigma–Xi Chapter – Past President (1997–1998)
Nominated winner of the 1997–1998 Visiting Scholar Ireland Award for Scholarly Distinction (Dr. Edward O. Wilson). Organized and hosted week–long UAB events surrounding this award.
UAB Academic Services Center Task Force – NSM representative (1997–1999)
UAB Mervyn Sterne Library Council – NSM representative (1997–1999)
UAB NSF Research Grant Initiative Committee (2009 – present)
UAB Search Committee – Dean of the College of Arts and Sciences (2010)
UAB Benevolent Fund – NS&M representative (1997–1999)
UAB International Research Center - Steering Committee (1997–1999)
Interim Dean of the School of Natural Sciences and Mathematics (1998–1999)
UAB African–American Studies Program – Interim Co–Director (1998–2002)

UAB/Anderson Consulting – Advisory Board (1998–present)
UAB Arts and Sciences Council (1998–present)
UAB Dean’s Council (1998–present)
UAB Academic Programs Council (1998–present)
UAB Facilities Committee (1998–present)
UAB Academic Services Building Committee (1998–present)
NSM Affirmative Action Officer (1998–2000)
Dean of the School of Natural Sciences and Mathematics (1999–present)
UAB Student Retention Committee (1999–present)
UAB Interdisciplinary Research Building Planning Committee (1999–2000)
UAB Search Committee – Associate Vice President for Major Gifts (2000)
Chair, UAB Search Committee – Dean of Engineering (2000–2001)
UAB Committee on Honors Convocation (2001–2002)
UAB Committee on International Programs (2002)
UAB Search Committee – President (2002)
UAB Graduate Stipend Task Force (2002)
UAB Research Foundation Review Task Force (2002)
UAB Committee on Higher Education Partnership and Governmental Affairs (2002)
Chair, UAB Honors Programs Task Force (2003)
UAB Search Committee – Vice-President for Enrollment Management (2003)
Chair, UAB Search Committee, Vice-President of Health Affairs and Dean of Medicine
UAB Ireland Award Committee (2004–2008)
UAB Vice-President/Associate Provost Advisory Council to the Provost (2003–present)
UAB Provost Student Retention Committee (2004–2007)
UAB Athletic Advisory Committee (2005–2007)
UAB Athletic Academic Sub-Committee (2005–2007)
Chair, UAB Committee on posthumous degree policy (2005)
Chair, UAB Search Committee – Director of Science and Technology Honors Program (2005)
UAB Discussion Book Committee (2007-2010)
Chair – Review Committee for UAB University Professorships (2008)
UAB Research Advisory Committee (2010 – present)
UAB College of Arts and Sciences, Faculty Affairs Committee (2011-present)
UAB Search Committee – Dean of the College of Arts and Sciences (2012)
UAB Ireland Award Committee (2012)

Selected Community Outreach Activities to Raise the Profile of UAB

Up to twenty invited presentations per year to K–12 and university student group, civic clubs (Rotary, Civitan, etc.), McWane Center groups, and volunteer agencies (hospitals, retirement homes, church groups, scout groups, etc.).

UAB WOW Antarctic interactive web site (www.uab.wow.edu). Over 500,000 hits on site during the 2001–2002 Antarctic research field season.

“UAB Antarctic Experience” exhibit featured at the McWane Center (4000 square feet of exhibited materials) – November 2001 – April 2002 (over 100,000 visitors).

Research featured in local news media outlets including The Birmingham News, Post Herald, Birmingham Magazine, WBHM and WZZK radio, etc.

UAB Interactive Antarctic Educational Web Program – www.antarctica.uab.edu. Two time national award winning web site (CASE awards in 2005 and 2008)

Antarctic web program “Jamie’s Antarctic Journal” designed for middle school science teachers and students (http://www.aptv.org/AptPlus/antarctica_journal/teacher/index.htm)

National Media Coverage

The following national media have covered aspects of my scientific research: CNN News, Science News Magazine, National Geographic Magazine, NPR Radio, Discover Magazine, Chicago Tribune, Chronicle of Higher Education, Washington Post, Los Angeles Times, The Economist, Birmingham News, Birmingham Post Herald, Encyclopedia Britannica, Smithsonian Magazine, Southern Living Magazine, Smithsonian Magazine, Scientific American, AAAS Podcast, NPR Diane Rehm Show.

International Media Coverage

Featured interview on climate change in *Globe Trekkers* international television series for episode in Antarctica.

Professional Activities:

- Visiting Scientist: R/V Johnson Cruise J-121, Collection of marine invertebrates aboard the Johnson Sealink I Submersible (April 1981).
- Visiting Scientist: TAAF (Territories Australes et Antarctiques Francais) cruise to the subantarctic island of Kerguelen; Resident Scientist at Port-aux-Francais Marine Laboratory (Dec. 1982–March 1983).
- Visiting Scientist: McMurdo Station, Antarctica. Resident Visiting Scientist at McMurdo Biological Station (Oct. 1984–Jan. 1985).
- Visiting Scientist: McMurdo Station, Antarctica. Resident Scientist at McMurdo Biological Station (Oct. 1985–Dec. 1985).
- Visiting Scientist: R/V Seward Link Bahamas Cruise, Collection of deep sea echinoderms using the Johnson Sea Link I Submersible (October 1988).
- Judge for Best Student Paper Awards: American Society of Zoologists 1984, 1986; Western Society of Naturalists 1985.
- Chairman, International Symposium on Antarctic Marine Biology, American Society of Zoology Meetings, San Francisco, California, December 1988.
- Co-Chairman, Symposium on Polar Benthic Ecology, Benthic Ecology Meetings, Williamsburg, Virginia, March 1991.
- Invited participant in National Workshop on Blue Crab Larval Recruitment Virginia Institute of Marine Sciences, February, 1989; Dauphin Island Sea Laboratory, March, 1990.
- Visiting Scientist: McMurdo Station, Antarctica. Resident Scientist at McMurdo Biological Station (Sept. 1989–Dec. 1989).

- Assistant Chairman, Division of Biological Sciences, Alabama Academy of Sciences (1989–1991).
- Chairman, Division of Biological Sciences, Alabama Academy of Sciences (1991–1993).
- Editor, Symposium Volume on Antarctic Marine Biology, Published in the *American Zoologist*. Ten contributed papers, 1991.
- Reviewer for National Science Foundation. Divisions of Biological Oceanography, Polar Biology and Medicine, Human Resources and Education.
- Reviewer for National Oceanographic and Atmospheric Administration.
- Nominating Committee Member, Division of Invertebrate Zoology, American Society of Zoologists (1991–1993).
- NSF Panelist, Ocean Sciences Division, January 1992 (invited again January 1993)
- Invited Participant, GLOBEC Southern Oceans Initiative, Scripps Institute of Oceanography, 1991.
- Co-Chairman, Symposium on the fauna and flora of Cahaba River, Alabama Academy of Science, March 1992.
- Co-Chairman, Symposium on the Zebra Mussel, Alabama Academy of Science, March 1993.
- Invited Participant, NSF Sponsored Symposium on Antarctic Biology, Punta Arenas, Chile, April 1992.
- Visiting Scientist, McMurdo Station, Antarctica. Resident Scientist at McMurdo Biological Station (November 1992–December 1992).
- Reviewer for California Sea Grant
- Member of UAB Strategic Planning Committee composed of UAB senior leaders (1993–present)
- Visiting Scientist, McMurdo Station, Antarctica. Resident Scientist at McMurdo Biological Station (October – November 1993).
- Visiting Scientist, Bermuda Biological Station for Research. Resident Scientist at BBSR (April–May, 1995).
- Visiting Scientist, McMurdo Station, Antarctica. Resident Scientist at McMurdo Biological Station (October – November 1996).
- NSF National Advisory Committee, Appointed by the director of NSF to serve on a national advisory committee overseeing the NSF Office of Polar Programs (1996–2000).
- Invited Participant, NSF sponsored cruise employing Johnson Sealink Submersible (February 1997).
- Visiting Scientist, McMurdo Station, Antarctica. Resident Scientist at McMurdo Biological Station (October – November, 1997).
- Scientific Advisory Committee, Alabama Center for Estuarine Studies (January 1998–present).
- NSF Panelist, Polar Biology and Medicine (September 1999).
- Invited Participant, SICB symposium on asteroid systematics (January 2000).
- Chairman, International Symposium on Antarctic Marine Biology, Society for Integrative and Comparative Biology, Atlanta, Georgia (January 2000).
- Visiting Scientist, Palmer Station, Antarctica. Resident Scientist at Palmer Station (February – April 2000).
- Visiting Scientist, Palmer Station, Antarctica. Resident Scientist at Palmer Station (November–December 2001).
- Visiting Scientist, Friday Harbor Marine Laboratory (June–July 2003)

Visiting Scientist, Palmer Station, Antarctica. Resident Scientist at Palmer Station (March–May 2004).

Leader of UAB Antarctica Cruise (30 participants), Senior Marine Biology Lecturer aboard the Explorer II to Falkland Islands and Antarctic Peninsula (January 2006).

Visiting Scientist, Palmer Station, Antarctica. Resident Scientist at Palmer Station (February – March 2007).

Visiting Scientist, Palmer Station Antarctica. Resident Scientist at Palmer Station (February – April 2009)

National Academy of Sciences, Committee for Polar Research Board Frontiers in Polar Science Workshop on Polar Climate Change (2010)

Visiting Scientist, Palmer Station Antarctica. Resident Scientist at Palmer Station (February - April 2012)

Advisory Board E.O. Wilson Biodiversity Foundation (2012 – present)

Editorial Board: American Zoologist (1992–1998)
Journal of the Alabama Academy of Science (1990–1994)
Environmental Geology (2008–present)

Associate Editor: Gulf of Mexico Science (1995–present)

Review Editor: Marine Ecology Progress Series (2005–present)

Reviewer of Manuscripts:

American Naturalist (1986–present)

Antarctic Science (1990–present)

Aquaculture (2006–present)

Biological Bulletin (1993–present)

Cahiers de Biologie Marine (1997–present)

Canadian Journal of Zoology (1998–present)

Ciencias Marinas (2006–present)

Ecological Monographs (1994–present)

Gulf of Mexico Science (1995–present)

Hydrobiologia (2001–present)

Invertebrate Biology (1995–present)

Journal of Chemical Ecology (1994–present)

Journal of Crustacean Biology (1992–present)

Journal of Experimental Marine Biology and Ecology (1986–present)

Journal of the Alabama Academy of Sciences (1990–present)

Journal of the Marine Biological Association of the United Kingdom (1995–present)

Marine Biology (1985–present)

Marine Ecology Progress Series (1991–present)

Polar Biology (1995–present)

P.S.Z.N.I. Marine Ecology (1985–present)

Trends in Ecology and Evolution (1993–present)

Global Change Biology (2009–present)

Research Interests:

Reproductive and nutritional biology of marine and aquatic invertebrates, especially echinoderms, crustaceans and molluscs; physiological and chemical ecology; hard and soft-bottom ecology, ocean acidification.

Grants:

Sigma–Xi Grant in Aid of Research (1982) \$500.

National Science Foundation Travel and Research Support. Named Research Assistant on Polar Program NSF grant to John M. Lawrence entitled “A comparison of the reproductive characteristics of brooding and non–brooding echinoderms from the Archipelago of Kerguelen” (1983) \$21,049.

Territories Australes et Antarctiques (TAAF) ship support (26 cruise days), Port–aux–Français Marine Laboratory support (1983).

National Science Foundation Travel and Research support. Named Postdoctoral Research Fellow on Polar Program NSF grant entitled: “Reproductive biology and larval ecology of Antarctic shallow–water benthic invertebrates” (1984–1987) \$262,793 (PI: Dr. John Pearse).

Monterey Bay Aquarium Research Grant. Principal Investigator on research program entitled “A study of the decomposition of the common kelp *Macrocystis pyrifera* in Monterey Bay” (1986–1987) \$25,762 (Co–PI: Dr. Mike Foster).

UAB Faculty Research Grant. Principal Investigator on research program entitled “The effects of photoperiod and temperature on gametogenesis and gonadal and somatic growth in the subtropical sea star *Luidia clathrata*” (1987–1988) \$2,000.

National Science Foundation Grant. Principal Investigator on grant entitled “Symposium: Antarctic Marine Biology” (1988–1989) \$17,674 (Co–PI: Dr. John Pearse).

Alabama Marine Environmental Science Consortium ship support. Co–Principal Investigator on grant entitled “Studies on the comparative biology of selected target species and selected sediment/substrate types of the Alabama shelf zone” (1988–1989) \$22,800 ship support (Co–PIs T.S. Hopkins, W.W. Schroeder, J.F. Valentine, K.R. Marion, S.A. Watts).

National Oceanic and Atmospheric Administration Grant. Principal Investigator on grant entitled “The habitat utilization, population dynamics, reproductive biology, and trophic ecology of the blue crab *Callinectes sapidus* in Weeks Bay, Alabama: important implications for fisheries and estuarine management” (1989–1990), NOAA \$14,547; Match \$15,887; Total \$30,434 (Co–PI: Dr. Ken Marion).

National Science Foundation Grant. Principal Investigator on grant entitled “The chemical ecology of shallow–water antarctic sponges: an investigation of toxicity and feeding deterrence” (1989–1991) \$100,087.

Mississippi–Alabama Sea Grant. Travel award to fund trip to Virginia Institute of Marine Sciences as invited participant in National Workshop on Blue Crab Larval Recruitment (1989) \$250.

National Science Foundation EPSCoR Marine Ecology Grant. Principal Investigator on grant entitled “A preliminary study of modes and energetics of reproduction and timing of gametogenesis and recruitment in offshore echinoderms of the Gulf of Mexico” (1989–1990) \$14,993 (Co–PI's: T.S. Hopkins, K.R. Marion, S.A. Watts).

National Science Foundation Grant. Life Sciences Coordinator on grant entitled “A Young Scholars Program in the Laboratory Sciences at UAB” (1989–1990) \$98,739. (PI's: Dr. Gary Gray, Dr. William Nonidez).

Alabama Universities/Tennessee Valley Authority/Research Consortium Grant. Co–Principal Investigator on grant entitled “Assessment of water quality, biological conditions, and pollutant sources in Upper Bear Creek Reservoir, Alabama: development of a plan for improving water quality and establishing a recreational fishery” (1989–1990) \$31,000 (Co–PI's: Dr. Ken Marion, Dr. Robert Angus).

National Science Foundation Equipment Grant. Associate Investigator on grant entitled “Equipment acquisitions in support of research at the Alabama Marine Environmental Sciences Consortium” (1989) \$31,750 (PI's: Dr. Heck, Dr. Pennock, Dr. Zimmer–Faust).

National Science Foundation EPSCoR Marine Ecology Grant. Principal Investigator on grant entitled “Modes and energetics of reproduction and timing of gametogenesis and recruitment in offshore echinoderms of the Gulf of Mexico” (1989–1991), National Science Foundation \$79,912; Matching \$132,916; Total \$212,828 (Co–PI's: Dr. Tom Hopkins, Dr. Ken Marion, Dr. Stephen Watts).

Mississippi–Alabama Sea Grant. Principal Investigator on grant entitled “A comparative study of the life history and physiological and organismal ecology of *Callinectes similis* and *C. sapidus* in estuarine environments of the northeast Gulf of Mexico: important implications for the blue crab fishery.” (1990–1992) \$3,600 (Co–PI's: Mr. Pan–wen Hsueh and Dr. Ken Marion).

Whitehall Foundation. Principal Investigator on grant entitled “A preliminary investigation of the presence and role of melatonin in photoperiodic echinoderms” (1990–1991) \$9,900 (Co–PI: Dr. Ron Gettinger).

National Science Foundation REU Grant. Principal Investigator on grant entitled “An REU Award to support research on reproduction in echinoderms” (1990–1991) \$4,000.

Alabama Universities/Tennessee Valley Authority/Research Consortium Grant. Co–Principal Investigator on grant entitled “Continuation and extension of studies assessing the water quality, biological status, and pollutant sources in Upper Bear Creek Reservoir” (1990–1991) \$19,041 (Co–PI’s: Dr. Ken Marion, Dr. Robert Angus).

Schroedinger Grant. Faculty sponsor and co–author of Postdoctoral grant entitled “Reproduction and other demographic characteristics of benthic echinoderms in shallow offshore waters of the Gulf of Mexico” (1990–1992) \$51,000 (Postdoctoral Fellow: Dr. Gottfried Schinner, University of Vienna, Austria).

National Science Foundation Grant. Associate Investigator on grant entitled “Renovation and Modernization of Marine Science Hall, Dauphin Island Sea Lab, Alabama Marine Environmental Sciences Consortium” (1991–1992) \$585,000 (PIs: Dr. Crozier, Dr. Hopkins, Mr. Jorgensen).

National Science Foundation Grant. Principal Investigator on grant entitled “The chemical ecology of shallow–water Antarctic marine invertebrates” (1992–1994) \$291,990 (Co–PI: Dr. Bill Baker, Florida Institute of Technology).

National Science Foundation EPSCoR Marine Ecology Grant. Principal Investigator on grant entitled “Chemical defense and nearshore production” (1992–1995), National Science Foundation \$262,208; Matching \$288,458; Total \$550,666 (Co–PI’s: Dr. Stephen Watts, Dr. Ken Marion, Dr. Tom Hopkins).

National Science Foundation Travel Award. Invited participant. International meeting on Antarctic Science. Punta Arenas, Chile, April 10–18, 1992. \$3,500.

National Science Foundation EPSCoR Travel Grant. Washington, D.C. 1993. \$900.

University of Alabama at Birmingham Faculty Research Grant. Principal Investigator on grant entitled “The chemical ecology of oceanic and reef–dwelling marine invertebrates of Bermuda” (1994–1995). \$1,862.

Bermuda Biological Station for Research Grant in Aid. Principal Investigator on grant entitled “Chemically mediated feeding deterrent properties of benthic and planktonic marine invertebrates of Bermuda” (1995). \$2,400.

National Science Foundation Grant. Principal Investigator on grant entitled “The chemical ecology of shallow–water antarctic marine invertebrates” (1996–1999). \$309,034. Co–PI: Dr. Bill Baker, Florida Institute of Technology.

National Science Foundation Grant. Co–Principal Investigator on grant entitled: “A supplementary award to support a science teacher to participate in investigations of chemical ecology in Antarctica” (1996–1998). \$8,804. Co–PI: Dr. Bill Baker, Florida Institute of Technology.

- Mississippi–Alabama Seagrant Grant. Co–Principal Investigator on grant entitled “Investigations into the culture of sea urchins in the Gulf of Mexico” (1997–1998). \$15,771. (Principal Investigator: Dr. Steve Watts).
- Mississippi–Alabama Seagrant Grant. Co–Principal Investigator on grant entitled “Isolation and purification of bioactive compounds from echinoderms utilizing a novel biofouling assay” (1997–1998). \$78,701. Principal Investigator: Dr. Charles Amsler.
- National Science Foundation Grant. Principal Investigator on grant entitled “The chemical ecology of oceanic holoplankton: implications in energy flux and mixed species assemblages” (1997–1998). \$14,789. Co–PIs: Dr. Bill Baker, Florida Institute of Technology, and Dr. Debbie Steinberg, Bermuda Biological Station for Research.
- Mississippi–Alabama Seagrant Grant. Co–Principal Investigator on grant entitled “Isolation and purification of bioactive compounds from echinoderms utilizing a novel biofouling assay” (1998–2001). \$182,195. Principal Investigator: Dr. Charles Amsler.
- Mississippi–Alabama Seagrant Grant. Co–Principal Investigator on grant entitled “Assessment of sea urchins as fishery and aquaculture candidates in the Gulf of Mexico” (1998–2001). \$317,762. Principal Investigator: Dr. Stephen Watts.
- National Science Foundation Grant. Principal Investigator on grant entitled “Antarctic Marine Biology: Symposium” (1999–2000). \$14,988. Co–Principal Investigators: Dr. Charles Amsler and Dr. Bill Baker.
- National Science Foundation Grant. Co–Principal Investigator on grant entitled “Minority Graduate Education” (1999–2002). \$2,491,428. Principal Investigator: Dr. Louis Dale.
- National Science Foundation Grant. Principal Investigator on grant entitled “The chemical ecology of shallow–water marine macroalgae and invertebrates on the Antarctica Peninsula” (1999–2002). \$497,134 (UAB: \$261,000, FIT: \$236,134). Co–Principal Investigators: Dr. Charles Amsler and Dr. Bill Baker.
- National Science Foundation Grant. Co–Principal Investigator on grant entitled “Teacher Experiencing Antarctica Supplement to OPP98–14538 (1999–2000). \$18,946. Principal Investigator: Dr. Chuck Amsler.
- National Science Foundation Grant. Named faculty participant on grant entitled “GK–12 NSF Graduate Teaching Fellows in K–12 Education” (1999–2002). \$1,417,324. Principal Investigator: Dr. Larry Krannich; Co–Principal Investigators: Dr. Stephen Hajduk and Dr. David Radford.
- National Institute of Health. Principal Investigator on grant entitled “K–12 higher education partnership program (Birmingham Public School System – Subcontract)” (2000–2001). \$58,638. Co–Principal Investigator: Dr. Charles Watkins.
- National Science Foundation Travel Grant. VII SCAR Symposium on Antarctic Marine Biology, Amsterdam, Netherlands, August 2001. \$1,000.

- Alabama Center for Estuarine Studies Grant. Co-Principal Investigator with A.A. Boettcher, T.D. Sherman, C.D. Amsler and J.F. Valentine. Role of invasive species in shaping plant-animal interactions in the Delta. \$27,692. May 2000-April 2001. Funded but UAB portion cut due to reduction in scope.
- National Science Foundation Grant. Co-Principal Investigator on grant entitled “Collaborative Research: The chemical ecology of shallow-water marine macroalgae and invertebrates on the Antarctic Peninsula” (June 2002-May 2005). \$820,386 (UAB: \$386,054; USF: \$434,332). Co-Principal Investigators: Dr. Charles Amsler and Dr. Bill Baker.
- US Fish and Wildlife Service. Co-Principal Investigator on grant entitled “Treatment of ballast water using acoustic cavitation techniques coupled with advanced oxidants: treatability study using different sonication frequencies and dosages of advanced oxidants (January 2003-December 2003). \$191,107 (\$165,000 plus \$26,107 industry and university match). Co-Principal Investigators: Dr. C. Amsler, Dr. R. Peters, Dr. S. Chen and Dr. S. Clark.
- National Science Foundation. Co-Principal Investigator on grant entitled “UAB ADVANCE Institutional Transformation Project” (5/1/03-4/30/08) \$3,500,000. Principal Investigator – Dr. Joan Lorden, Co-Principal Investigators: Dr. Jeannette Doeller, Dr. Linda Lucas.
- U.S. Fish and Wildlife Service. Co-Principal Investigator on grant entitled “Continuation Grant – Treatment of ballast water using acoustic cavitation techniques coupled with advanced oxidants: treatability study using different sonification frequencies and dosages of advanced oxidants (January-December 2004). \$94,846 (\$60,000 plus \$34,846 industry and university match). Co-Principal Investigators: Dr. C. Amsler, Dr. R. Peters.
- U.S. Department of Education. Principal Investigator on grant entitled “Graduate Assistance in the Areas of National Need” (August 2003-August 2006) \$737,910.
- National Science Foundation. Principal Investigator on grant entitled “Graduate Resource Fellowship Program” (2003-2005). \$228,000.
- National Oceanic and Atmospheric Association, West Coast National Undersea Research Program, Principal Investigator on grant entitled “Antarctic Marine Ecology Symposium – Santa Cruz Meeting for Ecology and Reproduction in Marine Invertebrates – a tribute to John S. Pearse”. (2006). \$5,800.
- National Science Foundation. Co-Principal Investigator on grant entitled “Collaborative Research: The Chemical Ecology of Shallow-water Marine Macroalgae and Invertebrates on the Antarctic Peninsula” (July 2005 – June 2008) \$810,000 (UAB portion = \$405,000).

National Science Foundation. Co-Principal Investigator on grant entitled “Collaborative Research: The Chemical Ecology of Shallow-water Marine Macroalgae and Invertebrates on the Antarctic Peninsula” (September 2009 – August 2013) \$1,375,221 (UAB portion = \$703,314).

National Science Foundation. Co-Principal Investigator on grant entitled “Collaborative Research: Climate Change and Predatory Invasion of the Antarctic Marine Environment” (September 2009–October 2012) \$602,391 (UAB portion = \$148,860).

National Science Foundation. Co- Principal Investigator on grant entitled “The effects of ocean acidification and rising sea surface temperatures on shallow-water calcified benthic organisms in Antarctica.” (June 2011 - May 2013) \$625,499.

National Science Foundation. Co-Principal Investigator on grant entitled “Collaborative Research: Climate Change and Predatory Invasion of the Antarctic Marine Environment” (September 2012–October 2015) \$760,603 (UAB portion = \$199,201).

National Science Foundation. Co-Principal Investigator on grant entitled “Collaborative Research: The Chemical Ecology of Shallow-water Marine Macroalgae and Invertebrates on the Antarctic Peninsula” (August 1 2014 – July 31, 2018) \$1,788,314 (UAB portion = \$899,685).

Publications (peer-reviewed):

- 254) Schram, J.B., K.M. Schoenrock, **J.B. McClintock**, C.D. Amsler and R.A. Angus. 2016. Seawater acidification more than warming presents a challenge for two Antarctic macroalgal-associated amphipods. *Marine Ecology Progress Series* 554, 81-97.
- 253) Brothers, C.J., M. Byrne, Harianto, J. and **J.B. McClintock** (in press) Sea urchins in a high-CO₂ world: the influence of acclimation on the immune response to ocean warming and ocean acidification. *Proceedings of the Royal Society B*.
- 252) **McClintock, J.B.**, R.A. Angus and K.M. Marion. 2015. *Plestiodon fasciatus* (five-lined skink). Predation by fish. *Herpetological Review* 46, 434-435.
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- 1) **McClintock, J.B.** 1994. Antarctic Fish Biology. Authored by J. Eastman, Academic Press, San Diego, California. *American Zoologist* 34, 172–173.

Book Jacket Endorsements

- 1) Resurrection Science, M. O'Connor, Palgrave/MacMillan 2015
- 2) The Fish Market, Lee Van der Voot, Saint Martins 2016

Abstracts of Papers Presented:

NOTE – I continue to co-author or co-present approximately 10-20 papers per year at national and international scientific conferences. I chose to discontinue the practice of citing each presentation after 2012 due to the exhaustive length of these listings.

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- 47) Lares, M.T. and **J.B. McClintock**. 1990. Long term effects of temperature on the growth and reproduction of the tropical sea urchin *Eucidaris tribuloides*. *Journal of the Alabama Academy of Science* 61, 142.
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- 45) **McClintock, J.B.** and S.A. Watts. 1990. A preliminary study of the effect of photoperiod on gametogenesis in the tropical sea urchin *Eucidaris tribuloides*. *Northeast Gulf Science* 11, 82.
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- 43) Vernon, J.D. and **J.B. McClintock**. 1990. Chemical defense in antarctic echinoderm larvae. *Northeast Gulf Science* 11, 86.
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- 39) **McClintock, J.**, K. Marion, J. Dindo and P. Hsueh. 1990. A preliminary study of the population dynamics of blue crabs (*Callinectes sapidus*) in a northern Gulf of Mexico estuary. Benthic Ecology Meeting, Mobile, Alabama.
- 38) Hsueh, P., **J. McClintock** and T. Hopkins. 1990. Distribution, population dynamics, and life history characteristics of the blue crabs *Callinectes similis* and *C. sapidus* in estuaries of the Gulf of Mexico. Benthic Ecology Meeting, Mobile, Alabama.
- 37) Vernon, J. and **J.B. McClintock**. 1989. Chemical defense in the eggs and embryos of antarctic sea stars. *American Zoologist* 29, 176.

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- 35) Lares, M.T. and **J.B. McClintock**. 1989. Temperature tolerance and the effects of temperature on the nutrition of the tropical sea urchin *Eucidaris tribuloides*. *American Zoologist* 29, 174.
- 34) **McClintock, J.B.**, J.S. Pearse and I. Bosch. 1989. The ecology of the common sea star *Odontaster validus*: an indicator of primary production in the shallow waters of Antarctica. *Journal of the Alabama Academy of Science* 60, 121.
- 33) Lares, M.T. and **J.B. McClintock**. 1989. The biochemical and energetic composition of stipes, blades, and pneumatocysts of living and decomposing *Sargassum fluitans* from the Gulf of Mexico. *Journal of the Alabama Academy of Science* 60, 127.
- 32) Thomas, D. and **J.B. McClintock**. 1989. The natural history of the common pulmonate gastropod *Physella cubensis* with an analysis of the effects of temperature on embryonic and juvenile growth. *Journal of the Alabama Academy of Science* 60, 114.
- 31) Lee, K.J., S.A. Watts and **J.B. McClintock**. 1989. Distributions of the polyamines putrescine, spermidine, and spermine in invertebrate tissues. *Journal of the Alabama Academy of Science* 60, 123.
- 30) Thomas, D.L. and **J.B. McClintock**. 1989. Embryogenesis in the freshwater pulmonate gastropod *Physella cubensis*: the effects of temperature on embryonic and juvenile growth rates and sexual maturation. *Association of Southeastern Biologists Bulletin* 36, 74.
- 29) **McClintock, J.B.** and J.S. Pearse. 1988. Reproductive biology of the antarctic brooding sea urchins *Abatus shackeltoni* and *Abatus nimrodi*. *American Zoologist* 28, 151A.
- 28) **McClintock, J.B.**, J.S. Pearse and I. Bosch. 1988. Population dynamics of the common antarctic asteroid *Odontaster validus*. In R.D. Burke, P.V. Mladenov, P. Lambert, R.L. Parsley (eds.), *Echinoderm Biology*, pp. 803, A.A. Balkema Press, Rotterdam.
- 27) **McClintock, J.B.** 1988. Coelomic temperature, desiccation and intertidal distribution of *Pisaster ochraceus* (Echinodermata: Asteroidea) during low-tide exposure. *Alabama Academy of Science* 59, 113.
- 26) Lawrence, J.M. and **J.B. McClintock**. 1988. Proximate and standing crop of *Postelsia palmaeformis* (Phaeophyta) at Pigeon Point, California. *Florida Academy of Science* 51, 29.

- 25) Lawrence, J.M. and **J.B. McClintock**. 1988. Phenotypic plasticity and standing crop in *Acaena magellanica* (Rosaceae) on Kerguelen (South Indian Ocean). Florida Academy of Science 51, 31.
- 24) **McClintock, J.B.** and J.S. Pearse. 1987. Reproductive biology of the antarctic crinoid *Promachocrinus kerguelensis*. American Zoologist 27, 42A.
- 23) Weston, J., **J.B. McClintock** and M. Foster. 1987. The fate of benthic macrocystis drift. Western Society of Naturalists, California State University, Long Beach, California.
- 22) **McClintock, J.B.**, J.S. Pearse and I. Bosch. 1987. Population dynamics of the common shallow-water antarctic sea star *Odontaster validus*. Sixth International Echinoderm Conference, Victoria, British Columbia, Canada.
- 21) **McClintock, J.B.** 1986. Toxicity in polar sponges: a reappraisal of the latitudinal hypothesis. American Zoologist 26, 127A.
- 20) Pearse, J.S., I. Bosch and **J.B. McClintock**. 1986. Modes of reproduction in antarctic marine animals. International Invertebrate Reproduction Meetings, Lille, France.
- 19) Pearse J.S. and **J.B. McClintock**. 1986. Sea otter impact on sea stars: an example of exploitative competition? Western Society of Naturalists Meetings, Hilo, Hawaii.
- 18) **McClintock, J.B.** and J.S. Pearse. 1985. Organic and energetic content of eggs and juveniles of direct-developing asteroids and echinoids from McMurdo Sound, Antarctica. Western Society of Naturalists, Monterey, California.
- 17) Robnett, T.J., **J.B. McClintock** and J.S. Pearse. 1985. Size-selective predation by the asteroid *Pisaster ochraceus* on the bivalve *Mytilus californianus*: a cost-benefit analysis. Western Society of Naturalists, Monterey, California.
- 16) Lawrence, J.M. and **J.B. McClintock**. 1985. Recolonization of the rocky intertidal at Kerguelen, South Indian Ocean. Florida Science 48, 30.
- 15) Lawrence, J.M., T.S. Klinger, **J.B. McClintock**, S.A. Watts, C.P. Chen, A. Marsh and L. Smith. 1985. Allocation of nutrient reserves in the regenerating asteroid *Luidia clathrata*. American Zoologist 25, 127.
- 14) **McClintock, J.B.** and J.M. Lawrence. 1984. Size selectivity of prey by *Luidia clathrata* (Say) (Echinodermata: Asteroidea): effect of nutritive condition and age. International Echinoderm Conference, Galway, Ireland.
- 13) Lawrence, J.M. and **J.B. McClintock**. 1984. Structure of the intertidal community on the rocky shores of Kerguelen (South Indian Ocean). American Zoologist 24, 140.
- 12) **McClintock, J.B.** 1984. Chemoreception in *Luidia clathrata* (Say) (Echinodermata: Asteroidea). Florida Science 47, 17.

- 11) **McClintock, J.B.** and J.M. Lawrence. 1983. Tissue-specific avoidance responses and escape responses of the sub-antarctic limpet *Nacella edgari* to the starfish *Anasterias perrieri*. *American Zoologist* 23, 965.
- 10) Lawrence, J.M., **J.B. McClintock** and A. Guille. 1983. *Anasterias rupicola* (Verrill) in the intertidal zone in the Bay of Morbihan, Kerguelen. *Symbioses* 15, 213.
- 9) **McClintock, J.B.** 1983. Switching behavior in the soft-bottom benthic predator *Luidia clathrata* (Say) (Echinodermata: Asteroidea). Benthic Ecology Meeting, Melbourne, Florida.
- 8) **McClintock, J.B.** 1983. The effect of nutritional condition on ingestive conditioning in *Luidia clathrata* (Say) (Echinodermata: Asteroidea). *Florida Science* 46, 23.
- 7) Marsh, A.G., S.A. Watts, C.P. Chen and **J.B. McClintock**. 1982. High salinity induction of aberrancies in ray number during the development of *Echinaster spinulosus* (Echinodermata: Asteroidea). *American Zoologist* 22, 966.
- 6) **McClintock, J.B.**, T.S. Klinger and J.M. Lawrence. 1982. Extraoral feeding in *Luidia clathrata* (Say) (Echinodermata: Asteroidea). *Florida Science* 45, 19.
- 5) Watts, S.A., R.E. Scheibling, A.G. Marsh and **J.B. McClintock**. 1982. High salinity induction of ray abnormalities in the starfish *Echinaster* (Echinodermata: Asteroidea). *Florida Science* 45, 21.
- 4) Bell, S.S. and **J.B. McClintock**. 1981. Invertebrates associated with echinoderms from the west coast of Florida with special reference to harpacticoid copepods. International Echinoderm Conference, Tampa, Florida.
- 3) **McClintock, J.B.**, T.S. Klinger and J.M. Lawrence. 1981. Feeding preferences of echinoids for plant and animal foods. *Florida Science* 44, 16.
- 2) Klinger, T.S., **J.B. McClintock** and J.M. Lawrence. 1981. Feeding preferences of *Luidia clathrata* (Echinodermata: Asteroidea) for plant and animal foods. *Florida Science* 44, 16.
- 1) **McClintock, J.** 1980. The daily activity patterns of *Luidia clathrata* (Say). *Florida Science* 43, 16.

Invited Lectures:

University of South Florida, Tampa (1984)
National Science Foundation, McMurdo, Antarctica (1984)
University of California, Davis (1985)
Scripps Institute of Oceanography, University of California San Diego (1986)
University of California Berkeley (1986)
Moss Landing Marine Laboratory, California State University (1986)
Williams College, Massachusetts (1986)

Bodega Marine Laboratory, University of California, Davis (1986)
California State University, Hayward (1987)
University of Southwestern Louisiana (1987)
University of Alabama at Birmingham (1987)
Auburn University, Alabama (1987)
Bloomsburg University, Pennsylvania (1988)
University of Alabama in Huntsville (1988)
Marine Environmental Science Consortium, Dauphin Island Sea Laboratory (1988)
University of Alabama, Tuscaloosa (1988)
Sigma Xi Scientific Research Society, University of Alabama at Birmingham (1989)
American Association of University Women, University of Alabama at Birmingham (1989)
National Science Foundation, McMurdo, Antarctica (1989)
Auburn University, Alabama (1990)
Lake Forest College, Illinois (1990)
Board of Trustees, University of Alabama (1990)
Presidential Council, University of Alabama at Birmingham (1990)
International Student Organization, University of Alabama at Birmingham (1990)
International Women's Organization, University of Alabama at Birmingham (1990)
Phi Sigma Honor Society, University of Alabama at Birmingham (1990)
Department of Surgery, University of Alabama at Birmingham (1991)
Mississippi State University (1991)
Benthic Ecology Meeting, Williamsburg, Virginia (1991)
NSF International Symposium on Antarctic Science, Punta Arenas, Chile (1992)
Keynote Speaker, Golden Key Honor Society, University of Alabama at Birmingham (1992)
Auburn University, Alabama (1992)
Dauphin Island Sea Laboratory, Alabama (1992)
Louisiana State University, Baton Rouge (1993)
International Society of Chemical Ecology, Clearwater, Florida (1993)
Antarctican Society, Washington, D.C. (1993)
Caroline P. and Charles W. Ireland Prize Ceremony, UAB (1993)
Keynote Speaker, Operation Deep Freeze, Gulf Port, Mississippi (1993)
Keynote Speaker, Golden Key Honor Society, University of Alabama at Birmingham (1993)
Talladega College, Alabama (1993)
Eighth International Echinoderm Conference, Dijon, France (1993)
National Science Foundation, McMurdo Station, Antarctica (1993)
Florida Institute of Technology (1994)
Keynote Speaker, Sigma Xi Scientific Research Society, UAB (1994)
Bermuda Biological Station for Research, Ferry Reach, Bermuda (1994)
Keynote Speaker, Golden Key Honor Society, University of Alabama at Birmingham (1994)
Keynote Speaker, Alabama Academy of Sciences, Birmingham (1995)
National Science Foundation, McMurdo Station, Antarctica (1996)
Keynote Speaker, Sigma Xi Scientific Research Society, UAB (1997)
National Science Foundation, McMurdo Station, Antarctica (1997)
Keynote Speaker, UAB Honors Symposium (1997)
Theodore Hendon Humanities Forum, University of Alabama at Birmingham (1998)
Georgia Tech, Atlanta (1998)
Scripps Institute of Oceanography (1998)

Board of Trustees, University of Alabama (1998)
Department of Pharmacology, University of Alabama at Birmingham (1998)
Bermuda Biological Station for Research (1998)
Department of Psychology, University of Alabama at Birmingham (1998)
University of Montevallo, Alabama (1998)
University of Alabama at Birmingham, NASA SHARP Program (1999)
Biotechnology Association of Alabama, Birmingham (1999)
Keynote Speaker, Birmingham Civitan Club (1999)
Keynote Speaker, Birmingham Rotary Club (2000)
Keynote Speaker, Magic City Kiwanis Club (2000)
University of Alabama at Birmingham, Minority Program (2000)
McWane Science Center, Birmingham (2000)
Keynote Speaker, Redstone Club, Birmingham (2000)
Birmingham Audubon Society (2000)
Birmingham Optimist Club (2001)
Birmingham New Horizons Club (2001)
Keynote Speaker, Golden Key Honor Society, University of Alabama at Birmingham (2001)
Keynote Speaker, University of Alabama Dental School (2001)
Keynote Speaker, University of Alabama at Birmingham, Advisory Board – School of Engineering (2001)
Keynote Speaker, Alabama Association of Biologists, Columbiana, Alabama (2001)
Keynote Speaker, UAB Campaign Luncheon (2001)
Georgia Institute of Technology (2002)
Keynote Speaker, UAB Honors Symposium, University of Alabama at Birmingham (2002)
Keynote Speaker, Purdue–UAB Botanicals Symposium, Birmingham, Alabama (2002)
University of Alabama at Birmingham, Department of Biology (2002)
Keynote Speaker, Phi Kappa Phi, University of Alabama at Birmingham (2003)
Friday Harbor Laboratories, Washington (2003)
Bamfield Marine Station, British Columbia (2003)
Keynote Speaker, UAB Honors Symposium (2003)
Keynote Speaker, Alabama Chapter of the American Chemical Society (2003)
Keynote Speaker, Provost Forum, Birmingham Southern College (2003)
National Science Foundation, Palmer Station, Antarctica (2004)
Keynote Speaker, Vestavia Rotary club, Birmingham (2004)
Keynote Speaker, Shelby County Schools Science Awards (2005)
Department of Biology, Jacksonville University, Florida (2005)
National Science Foundation, Palmer Research Station, Antarctica (2007)
Keynote Speaker, Southeastern Internal Medicine Group, Birmingham (2007)
Department of Civil and Environmental Engineering, University of Alabama at Birmingham (2007)
Keynote Speaker, Birmingham Botanical Society, Birmingham (2007)
Department of Biological Sciences, Auburn University (2007)
Keynote Speaker, Tuscaloosa Rotary Club, Tuscaloosa (2008)
Keynote Speaker, Hoover Rotary Club, Birmingham (2008)
Keynote Speaker, Alabama Mathematics, Science and Technology Initiative, Birmingham (2008)
Keynote Speaker, Discussion Book Dialogues, UAB (2008)

Sigma Xi Seminar Series Speaker, Department of Biology, UAB (2008)
Keynote Speaker, Audubon Society, Florence, Alabama (2009)
Keynote Speaker, Southeast Division of the Association of American Geographers,
Birmingham, Alabama (2010)
Keynote Speaker, Tennessee Aquarium Lecture Series on the World's Oceans, Chattanooga,
TN (2010)
Keynote Speaker, McWane Science Center, Birmingham, Alabama (2010)
Keynote Speaker, Birmingham Rotary, Alabama (2011)
Keynote Speaker, Montevallo University, Alabama (2011)
Keynote Speaker, Samford University, Alabama (2011)
Keynote Speaker, Georgia State University, Atlanta (2011)
Department of Microbiology, UAB (2011)
Keynote Speaker, Birmingham Kiwanis Club, Alabama (2012)
Keynote Speaker, Power Up Forum, Birmingham Botanic Gardens (2012)
Department of Biology, University of Alabama at Birmingham (2012)
Keynote Speaker, Theodore Haddin Arts and Sciences Forum, UAB (2012)
Keynote Speaker, UAB International Arts and Culture Speaking Series (2012)
Keynote Speaker, Darden Award Lecture, University of Alabama (2013)
Department of Biology, University of Alabama at Birmingham (2013)
Keynote Speaker, Alabama River Alliance Annual Meeting (2013)
Keynote Speaker, Birmingham Audubon Society Annual Banquet (2013)
Keynote Speaker, Laboratoire Arago, Banyuls-sur-Mer, France (2014)
Keynote Speaker, Oceanografic Aquarium, Valenica, Spain (2014)
Keynote Speaker, Museum of Natural History, Paris, France (2014)
Keynote Speaker, Station Zoologique, Villesfranche-sur-Mer, France (2014)
Keynote Speaker, Ocean Acidification International Coordination Center, International
Atomic Energy Agency, Monaco (2014)
Keynote Speaker, Centro Marino Elba, Elba Island, Italy (2014)
Keynote Speaker, Dauphin Island Sea Laboratory, Alabama (2014)
Keynote Speaker, Tennessee Aquarium (2014)
Keynote Speaker, University of West Georgia (2014)
Keynote Speaker, Wallace State Community College, Alabama (2015)
Keynote Speaker, Middle Tennessee State University (2015)
Keynote Speaker, Birmingham Rotary, Alabama (2015)
Keynote Speaker, College of Architecture, University of Texas at San Antonio (2015)
Keynote Speaker, Tufts University (2015)
Keynote Speaker, Gorongosa Conference, Sun Valley Idaho (2016)
TEDx Speaker, Birmingham, Alabama (2016)
Keynote Speaker, Harbor Branch Oceanographic Institute (2016)
Keynote Speaker, The Nature Conservancy, Alabama (2016)