

# CURRICULUM VITA – TAMARA M. MCGOVERN

Division of Natural Sciences and Engineering  
USC Upstate  
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## EDUCATION

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2001	Ph.D.	Biological Sciences, Florida State University
1994	M.S.	Biology, University of Houston
1990	B.A.	Biology (Minor: Environmental Science), University of Virginia

## POSITIONS HELD

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2023-	Instructor of Biology, USC Upstate
2022-2023	Honors College Faculty, Limestone College
2021-2022	Program Coordinator, Biology, Department of Science and Mathematics, Limestone College
2019-2021	Chair, Biology Department, Limestone College
2015-2023	Associate Professor, Limestone College
2009-2015	Assistant Professor, Limestone College
2007-2009	Postdoctoral Associate, Clemson University
2005-2006	Postdoctoral Scholar, Dauphin Island Sea Lab
2002-2005	Postdoctoral Fellow, Friday Harbor Laboratories, Univ. of Washington
2001-2002	Postdoctoral Associate, Louisiana State University

## TEACHING/ SUPERVISION

### TEACHING EXPERIENCE

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2023-	Instructor of Biology, USC Upstate	* Anatomy & Physiology I (BIOL243, BIOL243L) * General Biology I Lab (BIOL101L) * Coordinator, BIOL243L
2009-2023	Assistant, Associate Professor, Limestone	* General Biology (BI101, BI102) * Ecology and Experimental Biology (BI220) * Environmental Science (BI107/108/333, day and online) * Biology Capstone (BI459) * Botany (BI203) * Ecology (BI430) * Great Themes of Science (SC203 -online) * Sustainability (ID399 – co-taught with a psychology colleague) * Honors special topics – Climate Change (HN295)

2004	Instructor, Friday Harbor Labs	* Marine Molecular Ecology	
2000-2001	Asst Lab Coordinator FSU, Dept. Biol. Sci.	* Animal Diversity	
1996-2000	Instructor, Non-majors Biology FSU, Dept. Biol. Sci.	*Diversity of Life; *Ecology and Evolution	
1994-1999	Teaching Assistant FSU, Dept. Biol. Sci.	* Animal Diversity * Experimental Biology	* Ecology * Evolution
1991-1994	Teaching Assistant U. Houston, Dept. Biology	* Evolution * Introductory Biology	* Genetics

### STUDENTS SUPERVISED

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2007-2008	Jessica Hoffman, Clemson University (with Peter Marko) Population genetics of the barnacle <i>Balanus glandula</i>
2005	Savannah Williams (R.E.U. student): The Effects of Nutrient Input from Mobile Bay on the seagrass <i>Ruppia maritima</i> in Coastal Alabama.

### AWARDS

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2013	Fullerton Teaching Award (Limestone College)
2001	Nominated: Outstanding Teaching Assistant Award, FSU
1995	Best Student Paper, American Society of Zoologists, Division of Ecology

### SERVICE:

#### SERVICE (PROFESSIONAL)

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2024	
2021-2023	Curriculum Committee, Limestone University
2013-2020	AWE Committee (Achieving Writing Excellence – SACS QEP), Limestone University
2012 -2015	Faculty Development Committee (vice chair 2012-2013), Limestone University
2012 -2023	Limestone Representative to the SC Upstate Research Symposium committee
2011- 2023	Women in Technology and Science Recruitment Day, Limestone University
2010-2018	AWE (Achieving Writing Excellence) assessment team for Biology , Limestone University
2010 -2023	Various Faculty Search Committees , Limestone University
2000-2010	Reviewer for the National Science Foundation, The American Naturalist, The Biological Journal of the Linnean Society, Ecological Applications, Genetica, Invertebrate Biology, Marine Biology, Marine Ecology Progress Series
2014	Course coordinator for 3 courses under new extended campus formats
2002-2003	Volunteer, marine science education program, Friday Harbor, WA
1998-2000	Instructor, Saturday at the Sea (Florida State University's outreach program for middle school children)

SERVICE (COMMUNITY)

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- 2010 - Judge, Regional Science Fair, Spartanburg, SC
- 2008- Committee member, Moondance dance weekend (Co-chair-2022 - )
- 2008-2020 Talent Booker, Harvest Moon Folk Society (President 2012-2014; 2018-2020)

**PROFESSIONAL ACTIVITY**

MEETINGS (PRESENTATIONS INDICATED WITH AN ASTERISK)

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- 2014 Southeastern Biologists, Spartanburg, SC
- 2012 Society for Integrative and Comparative Biology, Charleston, SC
- 2009 \*Society for Integrative and Comparative Biology, Boston, MA
- 2008 \*Society for Integrative and Comparative Biology, San Antonio, TX
- 2007 \*Marine Benthic Ecology Meetings, Atlanta, GA
- 2005 \*Society for Integrative and Comparative Biology, Orlando, FL
- 2005 \*Society for the Study of Evolution, Anchorage, AK
- 2003 \*Society for Integrative and Comparative Biology, Toronto, CA
- 2001 \*Society for the Study of Evolution, Knoxville, TN
- 2001 \*Society for Integrative and Comparative Biology, Chicago IL
- 2000 \*Society for the Study of Evolution, Bloomington, IN
- 2000 \*Marine Benthic Ecology Meetings, Wilmington, NC
- 2000 \*Florida Ecology and Evolution Symposium, Archbold Biological Station, FL

INVITED SEMINARS

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- 2007 Georgia Southern University, Statesboro, GA
- 2005 California State University, Long Beach, CA
- 2003 Marine Science Associates, Friday Harbor, WA
- 2003 Bamfield Marine Science Center, Bamfield, BC
- 2001 Vanderbilt University, Nashville, TN
- 2001 Dauphin Island Sea Lab, Dauphin Island, AL

PUBLICATIONS

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**McGovern TM**, Keever CC, Sasaki CA, Hart MW, Marko PB (2010) Divergence genetics analysis reveals historical population genetic processes leading to contrasting phylogeographic patterns in co-distributed species. *Molecular Ecology* 19: 5043-5060.

Marko PB, Hoffman JM, Emme SA, **McGovern TM**, Cox LN (2010) The ‘Expansion-Contraction’ model of Pleistocene biogeography: rocky shores suffer a sea change? *Molecular Ecology* 19: 146-169

**McGovern, TM** (2010) Growth and Reproduction of *Ruppia maritima* in the Northern Gulf of Mexico. *Gulf of Mexico Science*. 2009(2): 91-101.

**McGovern TM** and K Blankenhorn. 2007. Observation of fruit production by the seagrass *Halodule wrightii* in the northeastern Gulf of Mexico. *Aquatic Botany* 87: 247–250.

Levitan DR, **McGovern TM**. 2005. The Allee effect in the sea. In *Marine Conservation Biology: The Science of Maintaining the Sea's Biodiversity*, Crowder L and Norse E, eds. Island Press, Washington, D.C.

Levitan DR, Fukami H, Jara J, Kline D, **McGovern TM**, McGhee KE, Swanson CA, Knowlton N. 2004. Mechanisms of reproductive isolation among sympatric broadcast-spawning corals of the *Montastraea annularis* species complex. *Evolution* 58: 308-323.

**McGovern TM**. 2003. Plastic reproductive strategies in a clonal marine invertebrate. *Proceedings of the Royal Society of London, Series B* 270: 2517-2522.

**McGovern TM** and Hellberg ME. 2003. Cryptic species, cryptic endosymbionts, and geographic variation in chemical defenses in the bryozoan *Bugula neritina*. *Molecular Ecology* 12: 1207-1215.

**McGovern TM**. 2002. Sex ratio bias and gender-specific clonal reproduction in the brittle star *Ophiactis savignyi*. *Evolution* 56: 511-517.

**McGovern TM**. 2002. Sexual and asexual reproductive cycles in the brittle star *Ophiactis savignyi* in the Florida Keys. *Marine Ecology Progress Series* 230: 119-126.

Bruce GL, Harkness JB, Hewlett JA, Hill MS, Hubbard DK, **McGovern TM**, Reed CC and Roberts HH. 1989. Sedimentary environments of Great Pond Bay, St. Croix, U.S.V.I. Pp. 161-165 in *12th Caribbean Geological Conference*. Hubbard DK, ed. Teague Bay, St. Croix.

<http://www.coral.noaa.gov/cleo/literature.shtml>

#### FELLOWSHIPS/ GRANTS

- 2005 "Sexual reproduction of the seagrass *Ruppia maritima* in the Mobile Bay region"; Alabama Center for Estuarine Research, Small Grant for Exploratory Research (\$24,476)
- 2004 Dauphin Island Sea Lab Marine Scholar Fellowship
- 2004 Macfarlane International Scholar Award (\$5000)
- 2004 Smithsonian Tropical Research Institute Travel Grant (\$2300)
- 2002 Friday Harbor Laboratories Postdoctoral Fellowship
- 1999 Society for Integrative and Comparative Biology, Grants-in-Aid of Research
- 1998 Florida State University, Dissertation Research Grant
- 1997 Houston Underwater Club Seaspace Scholarship
- 1992, 1996 Sigma Xi, Grants-in-Aid of Research
- 1993 U. Houston, Departmental Scholarship, Dept. of Biol.
- 1992, 1993 U. Houston, Coastal Center Grant