

Lisa Guy

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EDUCATION

2009	BS	Biology	Salisbury University Salisbury, MD
2009	BS	Environmental/Marine Science	University of Maryland, Eastern Shore Princess Anne, MD
2006	AA	Liberal Arts and Sciences	Chesapeake College Wye Mills, MD

CURRENT WORK EXPERIENCE

I have worked since September, 2018 for the National Oceanic and Atmospheric Administration. Currently, I am the Curator of the Milford Microalgal Culture Collection at the Northeast Fisheries Science Center's Milford Laboratory.

WORK EXPERIENCE

2018 – Present	NOAA Milford Laboratory – Biological Technician Northeast Fisheries Science Center, NOAA, Milford CT
2009 – 2018	Horn Point Oyster Hatchery – Faculty Research Assistant Horn Point Laboratory, UMCES, Cambridge MD
2014 – 2016	CDR Environmental Specialists, Inc. – Field Consultant Hollywood, FL
2010 – 2015	Horn Point Finfish Laboratory – Faculty Research Assistant Horn Point Laboratory, UMCES, Cambridge MD
2009	Horn Point Oyster Hatchery Intern Horn Point Laboratory, UMCES, Cambridge MD
2006 – 2009	Laboratory Assistant Salisbury University, Salisbury MD

SKILLS

- Experience with algal culture, including: sterile transfer techniques of stock cultures, semi-continuous mass algal production, operation of automatic algal feeding system. Experience with water sterilization and filtration methods including: ozone, microza and charcoal. Use of TD700 desktop fluorometer, Turner Design AlgaeWatch fluorometer, Beckman-Coulter Multisizer 4 coulter counter.
- Experience with oyster rearing, including: conditioning and mass spawning, larval rearing, setting and assessing spat production. Responsibilities have included assessing gonadal ripeness, grading of larvae, setting spat-on-shell tanks and performing assessment counts on spat-on-shell.
- Additional skills: YSI meters, GPS, phosphate and nitrate machines, seining, trawling, flow cytometer, Microsoft Office Suite (Power Point, Word, Excel, Access), ImageJ

PAPERS & PRESENTATIONS

- 2014 Trommatter, J.E., D.W. Meritt, L.M. Guy. **What effect does pH have on the growth of *Tetraselmis chuii* (PLY 429)?** The 16th International Conference on Shellfish Restoration. Poster.
- 2011 Martin, C.M., Guy, L. and R.C. Taylor. **Male position relative to foam nests influences female mate choice in the túngara frog, *Physalaemus pustulosus*.** Journal of Herpetology. 2011.
- 2010 Radcliffe, M.W., R. Carey, L.M. Guy. **Timing is everything: The complexities of operating an oyster hatchery.** The 13th International Conference on Shellfish Restoration. Poster.
- 2009 C. Martin, L. Guy. **Male position relative to foam nests influences female choice in the túngara frog.** Salisbury University Student Research Conference. Talk.
- 2008 Martin, C.M., L. Guy, R.C. Taylor. **Do expecting mothers prefer white? Male position relative to foam nests influences female choice in the túngara frog.** Animal Behavior Society – Poster
- 2008 L.M. Guy, A.M. Barse. **The mud snail, *Ilyanassa obsoleta*, and the ribbed mussel, *Guekensia demissa*, as hosts for the trematode *Himasthla quissentensis* in Rehobeth Bay, Delaware.** University of Maryland Eastern Shore student chapter of the American Fisheries Society. Poster.
- 2007 L. Guy, D. Secor, L. Kerr. **Spatial variation in age, growth, and mortality of white perch (*Morone americana*) across estuaries of the Chesapeake Bay.** Maryland Sea Grant Research Experience for Undergraduates. Talk.

RESEARCH EXPERIENCE

- 2008 **The effects of atrazine and cadmium on MCF-7 breast cancer cells**
Research under Dr. Ali Ishaque, University of Maryland Eastern Shore, studying the effects of atrazine and cadmium on the cell cycle of breast cancer cells.
- 2008 **Sexual selection in the túngara frog (*Physalaemus pustulosus*)**
Research under Assistant Professor Dr. Ryan Taylor, Salisbury University, at the Smithsonian Tropical Research Institute in Gamboa, Panama. Performed mate choice experiments with túngara frogs.
- 2007 **Bluefish cruise on the SeaWolf**
Research cruise to gather data for Ph.D. student Ryan Woodland, UMCES at Chesapeake Biological Laboratory. Identified, sorted, and recorded fish samples. Observed and assisted with plankton tows and CTD instrument.
- 2007 **Spatial variation in age, growth, and mortality of white perch (*Morone americana*) across estuaries of the Chesapeake Bay**
Work under Dr. David Secor for Maryland Sea Grant REU at Chesapeake Biological Laboratory. Performed otolith analysis.
- 2007 ***Guekensia demissa* as a possible host for *Himasthla quissetensis***
Research under Associate Professor Dr. Ann Barse, Salisbury University. Performed cercarial release of *Hq* from *Ilyanassa obsoleta* snails. Excystment, fixation, staining, and mounting of yet unidentified digenean species from *Guekensia demissa*.
- 2007 **Assessing the habitat value of oyster reefs formed separately and sympatrically by *Crassostrea virginica* and *Crassostrea ariakensis***
Assisted M.S. student Chris Kelly, UMCES at Horn Point Laboratory, on his work with mesocosms in January 2007. Obtained, sorted, and identified organisms from benthic samples.

HONORS AND ACTIVITIES

- 2016 Member of the United States Coast Guard Auxiliary
- 2013 MEES 698P Phytoplankton Physiological Ecology course
- 2013 HPL Oyster Hatchery participation at Tomato Festival, Vienna, MD
- 2009 – 2016 HPL Oyster Hatchery participation at Maryland Waterman's Expo, Ocean City, MD
- 2009 Graduated Summa cum laude from Salisbury University
- 2009 Graduated Summa cum laude from the University of Maryland Eastern Shore
- 2009 Participation in Delaware Breeding Bird Atlas Survey
- 2009 Salisbury University Biology Faculty Award
- 2009 Phi Kappa Phi Honor Society
- 2008 Golden Key Honor Society
- 2008 Tri Beta National Biological Honor Society
- 2008 Salisbury University Henson Scholarship
- 2008 BioEnvirons participation at Shadfestival
- 2007 – 2008 Nanticoke River clean up
- 2007 Salisbury University Henson Undergraduate Research Grant

HONORS AND ACTIVITIES CONT'D

2007	Maryland House of Delegates Scholarship
2007 – 2009	Salisbury University Creekwatchers
2006 – 2009	Salisbury University BioEnvirons club – Public Relations Officer, Secretary
2006 – 2009	Alpha Omega Biological Society
2006 – 2009	Salisbury University Dean's List
2006	Distinguished Scholar Transfer Scholarship
2006	Phi Theta Kappa Honor Society Scholarship
2006	Who's Who Among Students in American Junior Colleges
2006	Graduated with Honors and Recognition from Chesapeake College
2006	Who's Who Dean's List
2005 – 2006	National Outstanding Graduate – Liberal Arts & Sciences
2005 – 2006	Phi Theta Kappa Honor Society
2005 – 2006	Helped organize and gain recognition of the Environmental Club, Chesapeake College
2004	Bowie Naval Junior Reserve Officer Training Corps Booster Club Scholarship