

## BIOGRAPHICAL SKETCH

JAMES GELSLEICHTER

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### PROFESSIONAL PREPARATION

1992-1998 The College of William and Mary in Virginia, Williamsburg, VA  
Ph.D. in Marine Science, August 1998

1986-1990 Eckerd College, St. Petersburg, FL  
B.S. in Marine Science, May 1990

### APPOINTMENTS

2014- Associate Professor of Biology, University of North Florida, Jacksonville, FL

2008-2014 Assistant Professor of Biology, University of North Florida, Jacksonville, FL

2000-2008 Program Manager and Staff Scientist, Mote Marine Laboratory, Sarasota, FL

1998-2000 Postdoctoral Scientist, Mote Marine Laboratory, Sarasota, FL

1992-1998 Graduate Research Assistant, VIMS, Gloucester Pt., VA

### 5 RECENT PUBLICATIONS MOST RELATED TO THIS STUDY

Gelsleichter J and NJ Szabo. 2013. Uptake of human pharmaceuticals in bull sharks (*Carcharhinus leucas*) inhabiting a wastewater-impacted river. *Science of the Total Environment* 456–457: 196–201.

Gelsleichter J, Walker CJ. 2010. Pollutant exposure and effects in sharks and their relatives. Pages 491-537 in Carrier JC, Musick JA, Heithaus MH, eds. *The biology of sharks and their relatives: Biodiversity, Adaptive Physiology, and Conservation*. CRC Press, Boca Raton, FL.

Gelsleichter J, Szabo NJ, Belcher CN, Ulrich GF. 2008. Organochlorine contaminants in bonnethead sharks (*Sphyrna tiburo*) from Atlantic and Gulf estuaries on the U.S. east coast. *Mar Pollut Bull* 56: 359-363.

Gelsleichter J, Szabo NJ, Morris JJ. 2007. Organochlorine contaminants in juvenile sandbar (*Carcharhinus plumbeus*) and blacktip (*Carcharhinus limbatus*) sharks from major nursery areas on the east coast of the United States. Pages 153-164 in McCandless C, Kohler N, Pratt, HL, Jr., eds. *Shark Nursery Grounds of the Gulf of Mexico and East Coast waters of the United States*. American Fisheries Society symposium 50.

Gelsleichter J, Manire CA, Szabo NJ, Cortés E, Carlson J, Lombardi-Carlson L. 2005. Organochlorine concentrations in bonnethead sharks (*Sphyrna tiburo*) from four Florida estuaries. *Arch Environ Contam Toxicol* 48: 474-483.

### 5 OTHER PUBLICATIONS

Portnoy D, C Hollenbeck, C Belcher, W Driggers III, B Frazier, J Gelsleichter, RD Grubbs, and J Gold. 2014. Post-glacial genetic demography and contemporary population structure of the blacknose shark, *Carcharhinus acronotus*, in the western North Atlantic. *Molecular Ecology* doi: 10.1111/mec.12954.

Walker CJ, J Gelsleichter, DH Adams, CA Manire. 2014. Evaluation of the use of metallothionein as a biomarker for detecting physiological responses to mercury exposure in the bonnethead, *Sphyrna tiburo*. *Fish Physiology and Biochemistry*, March 27, 2014. DOI 10.1007/s10695-014-9930-y.

- McCallister M, Ford R, and Gelsleichter J. 2013. Abundance and distribution of sharks in northeast Florida waters and identification of potential nursery habitat. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 5:200–210.
- Smith MJ, Gelsleichter J, and Smith KJ. 2012. Protein expression of hypoxia-inducible factor 1-alpha (HIF-1 $\alpha$ ) in Spot (*Leiostomus xanthurus*) exposed to constant and diel-cycling hypoxia. *Journal of Experimental Marine Biology and Ecology* 424-425: 1-4.
- Gelsleichter J, Walsh CJ, Szabo NJ, Rasmussen LEL. 2006. Organochlorine concentrations, reproductive physiology, and immune function in unique populations of freshwater Atlantic stingrays (*Dasyatis sabina*) from Florida's St. Johns River. *Chemosphere* 63: 1506-1522.

### SYNERGISTIC ACTIVITIES

- *I am a leader in mentoring undergraduate researchers:* I have personally mentored >75 undergraduate researchers in the past 10 years. I developed the Mote Marine Laboratory Research Experiences for Undergraduates Program and served as PI of this program from 2002-2008. I developed and currently oversee the UNF REU Program (2011-2014).
- *I contribute significantly to efforts to increase the representation of underrepresented minorities in science:* I have personally mentored numerous undergraduate students who belong to minority groups underrepresented in science (Hispanics, African-Americans). Both the Mote REU Program and the UNF REU Program have maintained a high rate of minority involvement.
- *I am highly involved in the public outreach of scientific research:* I make strong efforts to communicate scientific research to the general public. As an example, my research has been featured in >25 news articles in the past 5 years. In addition, I have assisted in the development of educational exhibits at several informal science educational facilities.
- *I make significant contributions to enhancing science literacy and the education of future scientists:* In addition to upper-level courses in Toxicology and Endocrinology, I have been teaching introductory-level biology courses to majors and non-majors for the past 7 years.
- *I am involved in a number of collaborative projects on the Deepwater Horizon Oil Spill:* I have served as co-PI on 4 multi-institutional grants focused on determining the effects of the Deepwater Horizon Oil Spill on fish populations in the Gulf of Mexico.

### CURRENT COLLABORATORS

R. Dean Grubbs, Florida State University	David Portnoy, Texas A&M University
Andrew Evans, University of Southern Mississippi	Bryan Frazier, SC Dept. of Nat. Res.
Marcus Drymon, Dauphin Island Sea Lab	Robert E. Hueter, Mote Marine Laboratory

### DOCTORAL AND POST-DOCTORAL ADVISORS

John A. Musick, Ph.D. Dissertation advisor  
 Carl A. Luer, Robert E. Hueter, Joint postdoctoral advisors

### GRADUATE STUDENT ADVISEES (Only UNF students who have graduated are listed)

Christina Walker, M.S., graduated summer 2011  
 Ryan Ford, M.S., graduated summer 2012  
 Michael McCallister, M.S., graduated summer 2012  
 Melissa Gonzalez De Acevedo, M.S., graduated winter 2014  
 Arianne Leary, M.S., graduated spring 2015  
 Amanda Brown, M.S., graduated spring 2015