

# Shelley E. Swing

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University of Maryland-College Park  
Department of Animal and Avian Sciences  
Room 4111  
College Park, MD 20742

Office Phone: (301) 504-5295  
Fax: (301) 504-5753  
Email: [seswing@umd.edu](mailto:seswing@umd.edu)

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## Education

Ph.D. (in progress) University of Maryland, College Park  
Reproduction and Stem Cell Biology, 2012-present.

M.S.  
(GPA: 3.9) North Carolina State University  
Animal Science (Emphasis: Reproductive Physiology), 2012

B.S. /B.A.  
(*Magna Cum Laude*) North Carolina State University  
B.S., Animal Science (Minor: Genetics), 2010  
B.A., Psychology

## Research Experience

Graduate Research Assistant Reproduction and Stem Cell Biology, Animal Science  
**University of Maryland**  
*Mentor: Dr. Bhanu Telugu*, September, 2012-present.

Graduate Research Assistant Reproductive Physiology, Animal Science  
**North Carolina State University**  
*Mentor: Dr. W.L. Flowers*, August, 2010 – May 2012

Undergraduate Assistant Reproductive Physiology, Animal Science  
**North Carolina State University**  
*Mentor: Dr. J.E.Gadsby*, 2009 - 2010

## Honors and Awards

- Dean's Fellowship, University of Maryland, 2012-2014
- Dean's List, NCSU, 2005-2009
- Thomas Jefferson Scholar, NCSU, 2005 – 2010
- *Magna Cum Laude*, B.S.
- Gamma Sigma Delta, NCSU, 2010
- Gamma Beta Phi, NCSU, 2009
- Sigma Xi Undergraduate Symposium Award Winner, NCSU, 2010
- Outstanding Graduate Teaching Assistant Nominee, NCSU, 2012

## **Teaching Experience/ Lead Instructor**

North Carolina State University  
Department of Biological Sciences

Graduate Teaching Assistant

August, 2010 –  
May 2012

### **Courses Taught:**

BIO 181L – Introduction to Biological Sciences I Laboratory; 2 sections per week; Enrollment – 24 students per section. Four sections taught over 2 years for a total of 96 students.

BIO 183L – Introduction to Biological Sciences II Laboratory; 2 sections per week; Enrollment – 24 students per section. Four sections taught over 2 years for a total of 96 students.

Teaching Responsibilities: preparation and instruction during laboratory sessions; preparation, administration, and grading of weekly quizzes and section quizzes; administration and grading of lecture examinations; preparation of multimedia instructional aids.

Teaching Evaluations for 6 sections: On scale 1-5, where **5 is best**.

#	Question	Mean, Sec 1	Mean, Sec 2	Mean, Sec 3	Mean, Sec 4	Mean, Sec 5	Mean, Sec 6
1	The instructor was receptive to students outside the classroom	4.3	4.4	4.8	4.1	4.4	4.2
2	The instructor explained difficult material well	4.0	4.4	4.4	4.3	4.3	4.2
3	The instructor was enthusiastic about teaching the course	4.5	4.7	4.9	4.5	4.6	4.7
4	The instructor consistently treated students with respect	4.5	4.6	4.8	4.3	4.2	4.0
5	Overall, the instructor was an effective teacher	4.3	4.6	4.6	4.3	3.8	3.7
6	This course was intellectually challenging and stimulating	4.1	4.3	4.5	4.3	3.7	3.8
7	Overall, the labs were effective learning experiences	4.3	4.4	4.5	3.9	3.8	3.7

## **Research Skills**

Gel electrophoresis, western blotting, polymerase chain reactions, RNA extraction, reagent and tissue preparation, protein lysis, image analyses, cell culture including plating and counting, semen collection and evaluation (CASA and morphological analyses), assessment of boar mating behaviors, radioimmunoassay, molecular cloning.

## **Publications and Presentations**

Zorrilla, L.M., D'Annibale, M., Swing, S. and Gadsby, J.E. (2013). Expression of genes associated with apoptosis in the porcine corpus luteum during the oestrus cycle. *Reproduction in Domestic Animals*. doi: 10.1111/rda.12156

Swing, S, D'Annibale, M., Zorrilla, L.M. and Gadsby, J.E. (2010). Apoptosis-regulatory proteins in the porcine corpus luteum and their control by cytokines. Presented to the Triangle Consortium for Reproductive Biology Conference, NIEHS, RTP, Feb. 6<sup>th</sup>, 2010.

