

## Curriculum Vitae

### **STACI NEAS JOHNSON, M.S.**

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#### EDUCATION

2017 – present	Engineering & Science Education	Clemson University, Clemson, SC	
1999 – 2000	Animal Physiology	Clemson University, Clemson, SC	
1997 - 1999	Animal Physiology	Clemson University, Clemson, SC	M.S.
1993 - 1997	Animal Science	University of Tennessee, Knoxville, TN	B.S.

#### TEACHING EXPERIENCE

2018 - Present – Associate Professor of Biology/ Laboratory & Safety Officer, Southern Wesleyan University, Central South Carolina

- Professor for Biology 4273 (Developmental Biology), Biology 3104 (Microbiology), Biology 2454 (Introduction to Animal Science), Biology 1054 (Survey of Anatomy & Physiology), Biology 100L (General Biology – Molecular laboratory), and Biology 1104 (Introduction to Biology), Semr 4501 (Natural Science Capstone Seminar), Semr 2021 (Scientific Literacy)
- Chair, Research Compliance Committee. This committee serves in the capacity of the 3 federally mandated research oversight committees – Institutional Review Board (IRB), Institutional Animal Care and Use Committee (IACUC), and Institutional Biosafety Committee (IBC).
- Provide oversight of student workers in science laboratories.
- Manage chemical inventory and waste disposal

2014-2018 - Assistant Professor of Biology/ Laboratory & Safety Officer, Southern Wesleyan University, Central South Carolina

- Professor for Biology 4273 (Developmental Biology), Biology 3104 (Microbiology), Biology 2454 (Introduction to Animal Science), Biology 1054 (Survey of Anatomy & Physiology), Biology 100L (General Biology – Molecular laboratory), and Biology 1104 (Introduction to Biology)
- Professor in Personal Wholeness III courses
- Coordinator for Capstone Seminar (Biol 4501/ Chem 4501) and team-taught the class with Biology and Chemistry faculty for Fall semesters 2011-2014.
- Chair, Research Compliance Committee. This committee serves in the capacity of the 3 federally mandated research oversight committees – Institutional Review Board (IRB), Institutional Animal Care and Use Committee (IACUC), and Institutional Biosafety Committee (IBC).
- Provide oversight of student workers in science laboratories.
- Manage chemical inventory and waste disposal

2012 – 2014 – Instructor/ Lab Coordinator/ Safety Officer, Southern Wesleyan University, Central South Carolina

- Professor for Biology 3104 (Microbiology), Biology 1054 (Survey of Anatomy & Physiology), Biology 100L (General Biology – Molecular laboratory), and Biology 1104 and Biology 110L (Introduction to Biology with lab)
- Professor in Personal Wholeness III courses
- Coordinator for Capstone Seminar (Biol 4501/ Chem 4501) and team-taught the class with Biology and Chemistry faculty

2005 – 2012 – Adjunct Faculty Member, Southern Wesleyan University, Central, South Carolina

- Professor for Biology 1103 course within Adult and Graduate Studies utilizing Team-Based Learning to increase student understanding and retention. Developed the updated syllabus and course for use across the university's program across the state (2010).
- Professor for Biology 1104 and 2393 course within Adult and Graduate Studies. Developed the distance learning course templates (Biol 1104 in 2011 and updates in subsequent years, Biol 2393 in 2016).
- Professor for Biology 1103, 1104, 1054, 110L, and 105L in the traditional program. Updated laboratory exercises to emphasize understanding of the process of science and the scientific method. Supervised undergraduate teaching assistants during laboratory time and with additional activities to support lecture.
- Professor in Honors program, teaching Honors 2011 – Introduction to Research and overseeing student research projects.
- Professor in Personal Wholeness courses – Freshman and Sophomore seminar.
- Committee Member – General Education Ad Hoc Committee, Natural Sciences Representative
- Presented Faculty Development Seminar “Effectively Managing Learning Teams – An Introduction to Team-Based Learning”, January 2010.

2007-2008 – Adjunct Instructor, Tri-County Technical College, Pendleton, South Carolina

- Taught sections of General Anatomy and Physiology (Biology 110) and Biological Sciences II (Biology 102).
- Implemented Team-Based Learning in Biology 102 course and utilized active learning methods in Biology 110 and 102.

2004 – 2005 – Instructor, Honors Biology Lab and Fetal Pig Dissection Lab, Clemson Home School High School Co-op, Clemson, South Carolina

- Directed and taught high school students in various Biology lab exercises and dissections.

1998 – 2000 – Graduate Instructor, Department of Animal and Veterinary Sciences, Clemson, University, Clemson, South Carolina

- Graduate Laboratory Instructor to AVS 453 (Spring 1998, 1999, 2000). Taught 2 sections of this laboratory each semester with 40 students each semester. Compiled and authored the laboratory manual which was used several additional years at Clemson University for the instruction of this class.
- Mentored undergraduate student Jenna Horne for Special Problems in Animal and Veterinary Science. Instructed in proper laboratory techniques and completion of radioimmunoassay (Summer 1999).

- Guest lecturer in Introduction to Animal Industries (Fall 1999, 2000).
- Served as a volunteer instructor at various functions of the South Carolina Junior Cattleman's Association.

1997 – 1998 – Student Ambassador, American Royal Livestock Show and Rodeo, Kansas City, Missouri

- Traveled to area high schools for instruction in leadership skills and team work. Developed all curriculum and exercises for these sessions.

Summer 1998 – Intern, Farmland Industries, Kansas City, Missouri

- Planned and administered 2 Youth Leadership Conferences (YLC) for Mid-West high school students at William Jewell College in Liberty, Missouri. These week-long conferences were sponsored by Farmland Industries and all aspects of the conferences were under the direction of the Intern Team.
- Planned and administered 13 Youth Leadership Experiences (YLE) for junior high school students. The Internship Team traveled across the Mid-West to present these 1 days conferences which promoted participation in future YLCs, as well as leadership skills.
- Responsible for developing curriculum for and teaching public speaking, team work, and other leadership skills during YLC and YLE.

1998 – 2009 – Teacher, Clemson Presbyterian Church, Clemson, South Carolina

- Taught ladies monthly Bible Study.
- Leader of weekly Bible and Book Study groups.
- Teach various children's groups (age 2 to 5<sup>th</sup> grade) on Sunday Evening and special conferences.

1994 – 1995 – East Tennessee Vice President, Tennessee Association FFA

- Coordinated and administered after school and day-long leadership conferences.
- Visited high schools to conduct 3 to 4 sessions of team building and leadership skills on each visit. Developed all curriculum and other exercises used during these sessions.

1992 – 1993 – Tutor, South Greene High School, Greeneville, Tennessee

- Tutored one student in Algebra I.

### GRANTS AWARDS

“Hormone Levels in Blood Plasma versus Saliva in Beef Cattle.” \$2325 awarded March 2016 from South Carolina Independent Colleges and Universities Undergraduate Student/Faculty Research Program

“Use of PollEverywhere.com for Simultaneous Reporting of Team Decisions in the Team-Based Learning Classroom.” \$1800 awarded March 2014 from Team Based Learning Collaborative

Duke Foundation Grants to support the Regional Science Fair

- 2014 - \$5000
- 2013 - \$2500
- 2012 - \$2500

### ABSTRACTS

- Diehl, J.R., W.E. Roudebush, W.C. Bridges, Jr., H.L. Higdon III, W. Yang, S.P. Kennedy, and S.N. Johnson. 2000. Determination of platelet-activating factor and testosterone in semen of yearling Bos Taurus bulls. BOR 62(Suppl. 1):332(Abstr.575).
- Higdon, H.L. III, J.C. Spitzer, D.M. Hendricks, G.L. Burns, S.N. Johnson, S.P. Kennedy, and W.C. Bridges, Jr. 1999. Streptozotocin-induced diabetes mellitus in beef cattle. J. Anim. Sci. 77(Suppl.1):219 (Abstr.).
- \* Johnson, S.N. 2015. A comparison of learning using a traditional team reporting method or Polleverywhere.com for team reporting in the team-based learning classroom. Team Based Learning Collaborative, 2015 Annual Meeting (Poster).
- \* Johnson, S.N., E.D. Gallagher, C.L.A. Dancz. 2017. Forming Team-Based Learning Teams with Kolbe A Index: The Effect of Team Construction and Training about Conation on Team Satisfaction. Team Based Learning Collaborative, 2017 Annual Meeting (Poster).
- \* Johnson, S.N., J.C. Spitzer, H.L. Higdon III, and W.C. Bridges, Jr. 1998. Birth weight, dystocia and reproduction in first calf beef cows as influenced by degree of body fat at parturition. J. Anim. Sci. 76(Suppl.2):20 (Abstr.).

#### ARTICLES

- Johnson, S.N. 2017. Comparing Student Learning in the Team-Based Learning Classroom with Different Team Reporting Methods. *Journal of College of Science Teaching*, 46(8).
- Johnson, S.N. and J.C. Spitzer. 2001. Estrus and Pregnancy After Synchrony with Lutalyse in Conjunction with Syncro-Mate-B. *Theriogenology* 55:1787-1795.

#### OTHER PUBLICATIONS

- Johnson, S.N., J.C. Spitzer, H.S. Hill, G.P. Birrenkott. 1999. Effect of Lutalyse Used in Conjunction with Syncro-Mate-B on Estrus and Subsequent Pregnancy Rates. Master of Science Thesis, Clemson University Library, Clemson, South Carolina.

\*Presenter of Research at Scientific Meetings.

#### ADDITIONAL EXPERIENCE

- 2011- present – Director, South Carolina Region 1 Science Fair at Southern Wesleyan University, Central, SC
- Oversaw development and growth of organizational structure by appointing a Board of Directors, becoming an affiliated fair with the International Science and Engineering Fair, and cooperating with the South Carolina Academy of Science as the Region 1 fair.
  - Communicated with local middle schools, elementary schools, and home-school co-ops to promote the SC Region 1 Science Fair and educate about the process of science.
  - Presented Fall workshop to parents and educators about the process of science and benefits of Science Fair projects for students of various ages.
  - Oversaw all areas for the event including planning, promotion, education, judging, fundraising, and awards.
- 2011-2012 – Lab & Safety Coordinator, part-time position, Southern Wesleyan University, Central, SC

- Attended training pertaining to DOT Hazardous Materials, RCRA, Infectious Waste Handling, and GHS Implementation
- Implemented a bar code system for inventory tracking in Biology and Chemistry labs

2009 – 2014 – Community Member, Institutional Animal Care and Use Committee, Clemson University, Clemson, SC

- Reviewed and voted on approval of research protocols involving the use of animals.
- Inspected research facilities and areas where research animals are housed and maintained.
- Served as Chair of Semi-Annual Program Review Sub-Committee, Spring 2011.
- Served as member of sub-committee to investigate various issues of non-compliance.

2001 - 2006 – Owner and Operator, Upstate Bridal Service, Clemson, South Carolina

- Develop and maintain customer relations.
- Create all marketing materials.
- Maintain all customer databases and various financial accounts.
- Assisted at various Discount Bridal Service training seminars.
- Winner of DBS® Sales Contests – Fall 2002, Winter 2003, Summer 2003.

1997 – 2000 – Graduate Research Assistant, Department of Animal and Veterinary Sciences, Clemson University, Clemson, South Carolina

- Worked with professors at Clemson University in developing and implementing research projects designed to improve reproductive efficiency in beef cattle. These projects involved estrous synchronization, breeding soundness evaluation (BSE) and endocrine and metabolic status in beef cattle.
- Assisted with instruction of animal science based courses (Reproductive Physiology – 453; Introduction to Animal Industries – 202).
- Acquired basic scientific techniques to attain research objectives (Radioimmunoassay, experimental design, preparation of grant proposals, etc.).
- Presented research papers at scientific meetings, published articles for referred journals and research bulletins.

1993 – 1997 – University of Tennessee, Knoxville, Tennessee

- Worked part time as a laboratory assistant evaluating colostrum and serum samples from dairy calves (1994) and student caller for the Office of Alumni Affairs promoting the university scholarship program (1993).

1990 – 1993 – Greeneville Livestock Market, Greeneville, Tennessee

- Supervised assignment of livestock numbers.
- Developed customer relations.

1986 – 1997 – Trinity Angus Farm, Greeneville, Tennessee

- Own a small herd of Registered Angus cattle.
- Until 1997, worked part-time at the family registered cattle facility that incorporates backgrounding and conditioning cattle, artificial insemination and embryo transfer programs, and the merchandising of registered cattle.

- Exhibited registered Angus heifers and bulls and local, state, and regional cattle shows.

### PROFESSIONAL SOCIETIES

American Society of Animal Science  
 Team Based Learning Collaborative  
 South Carolina Academy of Science  
 American Angus Association  
 National Science Teachers Association  
 National Association of Research in  
 Science Teaching

Gamma Sigma Delta  
 Phi Kappa Phi  
 Alpha Zeta Agricultural Honor Society  
 Gamma Beta Phi  
 Golden Key National Honor Society

### CONTINUING EDUCATION

Citi Training Modules Completed

- Essentials for IACUC Members – 10/10/2013
- Farm Animals – 10/15/2013
- Post-Approval Monitoring – 9/14/2015
- Research Compliance Committee Members (IPS) – 11/9/2015
- IACUC Chair – 11/23/2015
- IRB Chair – 11/30/2015
- Conflict of Interest – 12/7/2015
- Research Compliance Committee Members (RCR) – 1/25/2016
- Basic Course for Research Investigators, Students, and Animal Care Staff – 1/29/2016
- Working with Mice in Research – 5/9/2017

10/2013 - RCRA Refresher Training.

9/13/2013 - Introduction of 2013 AVMA Guidelines on Euthanasia, Webinar hosted by OLAW.

6/18/2013 - Teaching a class from 1700 Miles Away: How Texas Tech Leverages Mediasite for Live Remote Instruction.

9/24/12 - Digital Faculty: Professors, Teaching and Technology, 2012, Webinar by Babson Survey Research Group and Inside Higher Ed.

12/2011 – How to Prepare for GHS. Webinar by MSDSONline.com

9/27/11 - Globally Harmonized System for the Classification and Labeling of Chemicals. Webinar by Environmental Resource Center

8/18/11 - Infectious Waste Training, Clemson, SC

8/17/11 - DOT Hazardous Materials Training and Certification, Clemson SC

8/16/11 - Hazardous Waste Training, Clemson, SC

Spring 2011 – eSWU 0001 – Developing Online Courses training class

9/2010 - Scientist Center for Animal Welfare (SCAW) Guide Update Workshop, Washington, DC

Fall 2010 – Biblical Theology – free online course through Covenant Seminary

4/21/2010 - Webinar; Enzyme Kinetics – a Biofuels Case Study led by Cindy Gay

4/13/2010 - NABR

### OTHER ORGANIZATIONS AND AWARDS

Girl Scouts

- Troop Leader for Troop #633

- Received 5 year service pin in 2011

Toastmasters International, Clemson TigerMasters Club, Clemson, South Carolina

- Winner of Humorous Speech Contest (2005)
- Club President (2005-06), Vice President – Education (2004-07), Secretary/ Treasurer (2006-07)
- Awarded Competent Leader Award, Competent Toastmaster, and Advanced Toastmaster - Bronze Awards.

Clemson University, Clemson, South Carolina

- Stackhouse Fellowship Award (1997-2000).
- Alpha Epsilon Lambda, Eta Chapter (1998-2000). Chapter President - Fall 1999-Spring 2000
- Graduate Student/ Faculty Committee (1999-2000).
- Graduate Student Forum – Seminar Coordinator (1998-2000).
- Judge, Junior Livestock Shows in South Carolina (1998-1999).

American Royal Rodeo and Livestock Show, Kansas City, Missouri

- National Winner, Student Ambassador Program (1996-1997)

University of Tennessee, Knoxville, Tennessee

- Chancellor's Citation for Extraordinary Professional Promise (1997).
- Outstanding Senior (1997), Junior (1996), Sophomore (1995) & Scholastic Honors (1995, 1996) for the College of Agricultural Sciences and Natural Resources, University of Tennessee, Knoxville
- McClanahan Scholar (1993-97).
- Governor's Conference for Agriculture and Forestry (1996).
- Alpha Zeta Honor Fraternity, Morgan Chapter Chancellor (1996-97), Scribe (1995-96), Ag. Olympics Co-Chairperson (1996).
- Agriculture Student/ Faculty Council, Secretary (1996-97), Outstanding Student Award Committee member (1996).
- Future Beef Industry Leader Award, Tennessee Cattleman's Association (1995).
- Society of Agriculture Education Students, Vice President (1996-97), Extemporaneous Speaking Contest Winner (1996), Outstanding Achievement (1994, 1996).
- Madden Livestock Judging Contest, High Individual – Amateur Division (1995).
- Farm Bureau Collegiate Discussion Meet, Winner (1995), Runner-up (1996), Participant (1994).
- American Society of Animal Science, Scholarship Award (1996, 1997).
- Reformed University Fellowship, Small Group.
- Member of the Block and Bridle Club (1994-97).
- Modern Woodmen Fraternal Scholar (1993-97).

National FFA Organization

- Keynote Speaker at Cattleman's College Lunch, National Cattleman's Association Convention (1995).
- Tennessee Association FFA East Tennessee Vice President (1994-95).
- National Leadership Conference for State Officers (1994).
- National Semi-Finalist and State Winner, Prepared Public Speaking (1993).
- National FFA Degree (1996).
- South Greene Chapter President (1992-93), Secretary (1991-92), Reporter (1990-91).

- State FFA Degree (1992).
- Participated in State and National Conventions, Soil Judging, Livestock Judging, Parliamentary Procedure, Agricultural Mechanics, and Creed Contests.