

# *Christen (Jackson) Burgett*

109G Kildee Hall  
Ames, IA 50011

cgjacks@iastate.edu  
Work: 515-294-7939

---

## **EDUCATION**

**North Dakota State University**, Fargo, North Dakota, December 2012

Master of Science Degree: Animal Sciences (Reproductive Physiology)

Thesis Topic: The use of various estrous synchronization protocols in estrous and anestrus ewes

Adviser: Dr. Reid Redden

Additional Research: Gender has a substantial impact on student success in introductory animal science courses

PI: Dr. Eric Berg

**North Dakota State University**, Fargo, North Dakota, May 2010

Bachelor of Science Degree: Animal Sciences

Minors in Agribusiness and Zoology

Advisers: Dr. Kimberly Vonnahme and Mr. Russ Danielson

## **CURRENT EMPLOYEMENT**

**Associate Teaching Professor, 50% Teaching Responsibilities and 50% Advising**

Department of Animal Science, Iowa State University, Ames, IA August 2019 – Present

**Lecturer, 50% Teaching Responsibilities and 50% Advising**

Department of Animal Science, Iowa State University, Ames, IA August 2012 – June 2019

## **TEACHING EXPERIENCE**

- **ANS 101: Working with Animals - In-Person** (Fall 2012, 2 credits, taught 2 lectures, 328 students)
  - Responsible for grading and returning homework for Section 3 (45 students)
  - Provided class lecture on: Overview of the Sheep Industry
  - Provided class lecture on: Overview of the Dairy Industry
- **ANS 190X: Livestock Handling, Safety and Welfare - In-Person** (Fall 2013/Spring 2014 2<sup>nd</sup> 8 weeks, 24 students/Jan 2014 - 1-week short course, 23 students, and Summer 2014, 17 students; 2 credits, taught 1 lecture and lab– Co-Course Coordinator) (Fall 2014 – Fall 2017 – Guest Speaker)
  - Provide class lecture on: Dairy 101 and the associated lab
  - Responsible for posting lecture material and handouts to BlackBoard prior to every class session
  - Took initiative to e-mail and communicate with farm managers as to when the course was, what animals were needed, along with their assistance
- **ANS 210: Career Preparation in Animal Science - In-Person and Online due to COVID-19** (Spring 2020, 130 students total) – Co-Instructor

- Transitioned 6 weeks of course content into an asynchronous online format via Canvas
  - Developed 7 online quizzes totaling 131 questions
  - Utilized 2 previously recorded videos for course content and had 5 guest presenters record new content for the course
  - Posted additional supplemental material including 14 YouTube videos and 15 related articles/weblinks
- **ANS 210: Career Preparation in Animal Science - In-Person** (Spring 2013, 60 students in section, 120 students total; Fall 2013, 80 students in section, 160 students total; Spring 2014, 77 students in section, 155 students total; Fall 2014, 83 students in section, 163 student total; Spring 2015, 80 students in section, 160 total; Fall 2015, 80 students in section, 160 total; Spring 2016, 80 students in each section, 160 total; Spring 2017, 75 students in section, 145 students total, Fall 2017, 140 students total; Spring 2018, 78 students in section, 109 students total; Spring 2019, 116 students total; Fall 2019, 133 students total) – Co-Instructor
    - Brought in numerous presenters to talk about life in the real world, finances/benefits, veterinary school and professional programs
    - Incorporated an industry/faculty panel of 4-5 individuals to answer students questions pertaining to professionalism and work place issues
    - Aid in the university's commitment to diversity training and education by bringing in the CALS LEAD IT Collective to discuss issues pertaining to diversity and inclusion
    - Taught information pertaining to cover letters, résumés, interviewing, and internships
    - Offer constructive feedback on cover letters and résumés through workshops held during class throughout the semester
  - **ANS 210: Career Preparation in Animal Science – Asynchronous Online** (8-week course - Summer 2014, 39 students; Summer 2015, 40 students; Summer 2016, 40 students; Summer 2017, 31 students; Summer 2018, 33 students; Summer 2019, 24 students; Summer 2020, 37 students) – Sole-Instructor
    - Recorded lectures (PowerPoints with voiceover) through Camtasia Software
      - Update course material as needed
    - Integrated newly recorded presentations into summer 2019 online course such as: Career Exploration in ANS and CALS; Accepting the Job, the Importance of Internships, and Life as a PhD student.
    - Gathered various articles and videos for student viewing pertaining to a specific topic each week
    - Transferred material from BlackBoard to Canvas platform
    - Grade six course assignments ~90 hours total
  - **ANS 235: Dairy Cattle Science – Asynchronous Online** (Fall 2020, 102 students; sole instructor, with an optional 2-hour lab once a week)
    - 98 new videos total (55 lectures and 13 laboratory videos) developed equaling 33 hours and 30 minutes
      - 70 videos (39 lectures) by Christen Burgett equaling 25 hours and 45 minutes
      - 28 videos (16 lectures) by guest presenters equaling 7 hours and 45 minutes
    - For laboratory exercises - 102 resources posted included newly created videos, YouTube videos, handouts, articles, and weblinks

- 13 Low Stakes Quizzes were developed; 5 questions each for a total of 65 questions
- 5 new discussion board assignments were developed
- Created and posted 14 To Do Lists each week
- Designed and implemented a new independent Careers Presentation Project
- Converted and updated exams into Canvas totaling 175 questions
- Utilized plus/delta mid-semester classroom assessment for students to reflect on their learning
- Mentored and managed 9 undergraduate teaching assistants
- Article: Hands-on learning in Dairy Science
  - <https://www.ans.iastate.edu/hands-learning-dairy-science?fbclid=IwAR2L-q4coiUWHLJci6erYY14jwbc4-VzHend7UEpI-VcBuaSgwKOP3h7JCE>
- **ANS 235: Dairy Cattle Science – In Person** (Fall 2014, 106 students; Fall 2015, 100 students; Fall 2016, 108 students; Fall 2017, 110 students; Fall 2018, 111 students; Fall 2019, 100 students; sole instructor, 1-hr lecture twice a wk, with a 2-hr lab once a wk)
  - Brought in on average 7 guest speakers
  - Implement Turn To Your Partner (TTYTP) activities one to two times per class session
  - Supervised 9 Undergraduate Teaching Assistants who assisted in grading lab assignments and aided in facilitating lab material and activities
  - Utilize plus/delta mid-semester classroom assessment for students to reflect on their learning
  - Incorporated 2 new lab activities: Dairy Cattle Evaluation and a Dairy Cookery Lab
  - Teach both lecture and lab components of course (10 hours of in-class instruction per week)
- **ANS 235: Dairy Cattle Science – In Person** (Fall 2012, 84 students, provided 2 lectures; Fall 2013 taught 5 lectures, 88 students) – Co-Instructed with Dr. Lee Kilmer
  - Responsible for lab instruction for Section 2 (Fall 2012, 29 students; Fall 2013, 26 students)
  - Provided sole instruction for Lab 9 – Reproductive Efficiency (Fall 2013)
  - Assisted with grading exams (33% of grading; Fall 2012 and 2013)
- **ANS 310X: Advanced Career Preparation in Animal Science – Graduate School Track – In Person** (8-week course, 1 credit, Pass/Fail, Spring 2014 – 5 students, Spring 2015 – 7 students; sole instructor)
  - Informed students about graduate school, admissions process, finding a program, etc.
  - Created a graduate student and faculty panel
- **ANS 332: Laboratory Methods in Animal Reproduction – In-Person** (Spring 2013, 17 students; Fall 2013, 18 students; Spring 2014, 18 students; sole instructor)
  - Created new anatomy diagrams with labeled parts to serve as supplemental material for course (Fall 2013)
  - Created and implemented – Reproduction Quiz Bowl (Fall 2013)
  - Coordinated 2 class field trips to Hawkeye Breeders and Swine Genetics International (Fall 2013)
  - Procured a speaker from Trans Ova Genetics, organized a bull collection lab at the ISU College of Veterinary Medicine, implemented and created a new weigh-suckle-weigh lab with lambs (Spring 2014)

- **ANS 335: Dairy Cattle Selection, In-Person and Online due to COVID-19** (Spring 2020, 9 students; Sole Instructor)
  - Mentored 4 undergraduate teaching assistants
  - With the transition to online – generated 44 picture classes for students to view online and created 44 summary videos explaining each picture class
  - Students delivered 9 sets of reasons once going online via written reasons, audio reasons, recorded reasons and “live” reasons via WebEx
  
- **ANS 335: Dairy Cattle Selection – In-Person** (Spring 2013, 10 students, Spring 2014, 19 students, Co-Instructor; Spring 2015, 14 students; Spring 2016, 13 students; Spring 2017, 14 students; Spring 2018, 19 students; Spring 2019, 10 students; Sole Instructor)
  - Listen and critique reasons
  - Select and organize both live and multi-media classes to judge
  - Since 2018, brought in Lars Sivesind from Select Sires to discuss Linear Evaluation
  - Coordinated course field trip to Stillwater, OK in 2018 so students could compete in the Youth and Collegiate Dairy Cattle Judging Contest being hosted by the Oklahoma State Dairy Science Club in conjunction with the Southern Spring National Holstein and Jersey Show
    - 18 students competed in the contest
    - 13 students attended the Braum’s Dairy tour in Tuttle, OK
      - The Braum family operates Braum’s Dairy which is a 12,000 cow dairy with 260 retail stores that market their milk, ice cream, and hamburgers
  - Planned and facilitated annual judging field trip to Yarrabee Farms and Lyon’s Jerseys (2013-2018)
  - Utilize the help of several undergraduate teaching assistants who help share the work load of providing feedback on written and oral reasons
  
- **ANS 399A: Animal Science Internship Experience – Asynchronous Online**, Internship Coordinator (Fall 2013, 31 students; Spring 2014, 3 students; Fall 2014, 26 students; Spring 2015, 5 students; Fall 2015, 43 students; Fall 2016, 32 students; Fall 2017, 37 students; Fall 2018, 17 students; Fall 2019, 16 students; Fall 2020, 7 students)
  - Send out cooperator final evaluations
  - Posted internship monitor slides to the monitors throughout Kildee and on the Animal Science Department Facebook page with upcoming internships and job opportunities
  - Transferred course material from BlackBoard to Canvas
  - Graded internship bi-weekly journals and reflections, oral presentations, and scientific papers
    - ~30 hours of grading
  
- **ANS 475B: Dairy Cattle Judging Team** (Fall 2012 and 2013 - Assistant Coach, Fall 2014 – Present – Head Coach Senior and Junior Teams; Assistant Coach Fall 2018 and Fall 2019, Matt Henkes, Luana, IA)
  - Continue cultivating and leading the dairy judging program at Iowa State University
  - Create, implement, and oversee dairy judging team budget of ~\$21,000.00
    - Team planned and implemented first fundraising event at Pizza Ranch in October 2019: \$397.48

- Judging team members helped created dairy judging resources for the Tri-State Dairy Youth Expo Virtual Event: September 2020
    - <https://www.extension.iastate.edu/dairyteam/tri-state-dairy-youth-expo-training-materials>
  - Teach judging team members dairy cattle evaluation, oral reasoning, and life skills
  - Make hotel arrangements, reserve vans from transportation services and submit contest registration forms
  - Knowledgeable about travel reimbursement process through WorkDay
  - Practice at dairies throughout the state and country and engage with producers
  - Listen to oral reasons on Mondays and Tuesdays and provide constructive feedback (7-10 hours per week)
  - Develop confidence in students and motivate team members toward a common goal
  - Competed in the Central Star Judging Contest, Viroqua, WI; World Dairy Expo, Madison, WI; and the North American International Livestock Exposition, Louisville, KY.
    - 3<sup>rd</sup> Place Team Overall and 3<sup>rd</sup> High Individual Overall – Viroqua, WI 2019
    - 4<sup>th</sup> Place Team Overall and 6<sup>th</sup>, 18<sup>th</sup>, and 22<sup>nd</sup> High Individuals Overall – Madison, WI 2019 (3 All-Americans)
  - Scheduled team photo at Pete Tekippe Photography in Story City, IA
  - Promoted team accomplishments by submitting write-ups for the Departmental Annual Newsletter
- **ANS 475F: Dairy Challenge** (Spring 2014 – Assistant Coach, took 9 students to Fort Wayne, IN for the Dairy Challenge Academy; Spring 2015, 5 students – Coach)
    - Met with team twice a week for practice
    - Took 4 team members and 1 Academy participant to Syracuse, NY

## INTERNATIONAL EXPERIENCE

- **ANS 496/ANS 497A: Agricultural Travel Preparation Course and Study Abroad Trip to France, Switzerland, and Italy** (Co-Instructor Spring 2014, Co-Travel Leader May 10<sup>th</sup> – 26<sup>th</sup>, 2014; 30 students)
  - Served as a co-leader alongside Dr. Lee Kilmer and Dr. Jodi Sterle
  - Implemented class assignment, Products and Food Dishes “At-A-Glance”
  - Created flashcard books for Products and Food Dishes, Breeds of Livestock, and Livestock in Art
  - Immersed in local cultures and learned about agriculture abroad, in particular:
    - Received an overview of the French animal industry from numerous speakers from the French Livestock Institute
    - Toured various livestock operations (dairy, beef, dairy sheep/goat, swine, and water buffalo farms along with an organic dairy cattle/goat farm)
    - Learned about olive oil and wine production and artisan cheese making
    - Toured an Artificial Insemination facility in northern Italy
- **ANS 496/ANS 497A: Agricultural Travel Preparation Course and Study Abroad Trip to Ethiopia** (Co-Instructor Spring 2013, Co-Travel Leader May 14<sup>th</sup> – 31<sup>st</sup>, 2013; 16 students)

- Assisted Dr. Awoke Dollisso in creating a class schedule and individual project ideas for the spring semester travel prep course and once abroad we:
  - Interacted with agriculture students from Hawassa University
  - Toured various dairy, sheep/goat, and poultry farms and learned about other facets of agricultural production such as coffee, bell peppers, and cut flowers
  - Learned about various crop production cycles and how they contribute to the global markets
  - Visited the International Livestock Research Institute (ILRI)
  - Immersed in Ethiopian culture ranging from modern dance and music to spending a day with the nomadic and primitive Hammer Tribe

## INVITED PRESENTATIONS

- **Central Iowa Women in Agribusiness** – March 2019
  - Served as a panelist alongside Dr. Aileen Keating
  - We offered our insights and stories about being women faculty members in the Department of Animal Science and answered questions from the group
    - *“This [Aileen and Christen] was the highlight of the afternoon for me! It makes me proud that “my” Iowa State has these competent women in place as role models and research leaders. I know not all of us in the group are research focused, but I could have spent the whole afternoon talking science and educational psychology.”*
    - <https://www.extension.iastate.edu/womeninag/networking-campus>
- **ANS 110: Orientation in Animal Science** (Fall 2014, 2015)
  - “Simple steps to a successful cover letter and rockin’ résumé”
- **ANS 110: Orientation in Animal Science** (Fall 2016, 2017, 2018)
  - Internship Basics
- **ANS 114: Survey of the Animal Industry**
  - Overview of the Dairy Industry (Fall 2012, 2014, 2016, 2017 and Spring 2013, 2014, 2015, 2016, 2017, 2018)
- **ANS 331: Domestic Animal Reproduction**
  - Mammalian Embryonic Development (Fall 2012)
  - Differentiation of the male and female reproductive tracts (Fall 2012)
  - Fertilization (Fall 2012)
- **ANS 334: Embryo Transfer Lab**
  - Created worksheet: Guide to Handling Frozen Semen and Embryos (Fall 2012)
- **ANS 399A: Animal Science Internship Experience**, Internship Coordinator (Spring 2013 and 2014, Fall 2013 and 2014)
  - Guest Speaker in ANS 110: Internships: “Where do I begin to look?”
- **ANS 429: Sheep Systems Management** – Sheep Reproduction (Spring 2020)
- **Iowa 4H Animal Science/Veterinary Medicine Youth Camp** (Summer 2014)
  - Careers – Where will you go?
  - ~60 youth, 6<sup>th</sup> – 12<sup>th</sup> grade

## ADVISING EXPERIENCE

- **Academic Adviser**

- Currently advise 59 undergraduate students in Animal Science, Dairy Science, and General Pre-Veterinary Medicine by providing academic and career guidance
- Write numerous letters of recommendation for internships, scholarships, and for admittance into professional programs
- Brainstormed ideas along with Dr. Jennifer Bundy and Ms. Kelsey Powell for an Academic Advising Syllabus which was then compiled and sent out by Dr. Jennifer Bundy – released in Fall 2019 for academic advisers within the department
- Utilize an advising worksheet that aids students in preparing for mandatory advising meetings once a semester
- College of Agriculture and Life Sciences Advisor Training Workshop: Mental Health Training, Certified (2013)
- Previous and Current Academic Advising Load Per Academic School Year

<u>Academic School Year</u>	<u>Advisee Load</u>
Fall 2012 – Spring 2013	26 students (fall) – 40 students (spring)
Fall 2013 – Spring 2014	70 students (fall) – 90 students (spring)
Fall 2014 – Spring 2015	84 students (fall) – 83 students (spring)
Fall 2015 – Spring 2016	96 students (fall) – 96 students (spring)
Fall 2016 – Spring 2017	80 students (fall) – 82 students (spring)
Fall 2017 – Spring 2018	95 students (fall) – 74 students (spring)
Fall 2018 – Spring 2019	72 students (fall) – 70 students (spring)
Fall 2019 – Spring 2020	70 students (fall) – 67 students (spring)
Fall 2020 – Spring 2021	67 students (fall) – 59 students (spring)

- Serve as club advisor for:

- **ISU Dairy Science Club:** Fall 2012 – Present, ~110 members

- Co-Adviser along with Ms. Haley Jones and Ms. Katie England
  - Oversee and mentor club members whose mission is to promote fellowship among students, staff, and faculty at Iowa State University who are interested in the dairy community, as well as to establish contact between students, producers, and professionals within the dairy industry.
  - Club manages a budget of ~\$30,000.00
- Attend monthly main meetings (2<sup>nd</sup> Tuesday of each month)
- Attend bi-weekly executive team meetings
- Club members teamed up with Iowa Dairy Ambassadors and created an ISU Dairy Farm Tour Video that was distributed to elementary schools around Ames – November 2020
- Contributed content for a DSC educational video about dairying (‘A Very Dairy Experience’) that was shared on the Iowa State Fair page – August 2020
- The club donated 2,200 cups of ice cream to 3 local food banks – July 2020
- Met for 2 hours every week during fall 2019 with the ADSA-SAD Tri-Chairs in order to plan and prepare for hosting the Midwest Regional ADSA-SAD Conference in January 2020 (~24 hours fall semester)
  - Committee worked with a budget of ~\$60,000.00
- Interact and connect with various dairy companies, organizations, and producers throughout the state

- Traveled with 5 club members and Dr. Timms to national ADSA in TN – 2018
  - Traveled with 5 club members and Dr. Timms to national ADSA in PA – 2017
  - Chaperone for club trip to regional ADSA-SAD Conference: 5 years
  - Attend Annual Dairy Science Club Banquet: 7 years
    - Provide an update on the dairy judging teams
    - Provide Advisor’s Comments and Dairy Judging Team Write Ups for the Squirts ‘n Kicks Annual Yearbook
    - Coordinated and secured 13 sponsorships for senior club members to receive a Lifetime Membership into the National Dairy Shrine
    - Assist in selection of ~31 Dairy Science Scholarships: ~\$50,000.00
  - Attend Dairy Science Club Fall BBQ: 9 years
  - Event adviser for Dairy Youth Coalition: 4 years
  - Helped ship ice cream to Washington D.C. for the Association of Public and Land-grant Universities (APLU) Congressional Creamery Social – January 2016
  - Event chaperone for “Best Butts” – Spring 2013 and 2014
  - Volunteered at “Food at First” - Fall 2012 – Spring 2013
- Served as past club advisor for:
    - **Sigma Alpha Sorority:** January 2013 – May 2014, 91 members
      - Participated in National Chapter Visit/Meeting – January 2013
      - Attend bi-weekly meetings and offer guidance when needed
    - **Horse Interest Group for Block and Bridle:** January 2013 – December 2013, ~40 members
      - Attended monthly meetings to discuss current club happenings
      - Trip chaperone to the American Quarter Horse World Show in Oklahoma City, OK – 24 students, Fall 2013
      - Trip adviser to the Rita Crundwell Sale in Dixon, IL – 11 students, Fall 2012
    - **Additional Student Organization Advising:**
      - Block & Bridle Scholarship Selection Committee Member – Spring 2018
      - Chaperone for the ISU Equestrian Team to Madison, WI for a weekend competition, Spring 2013, 16 team members
      - Block & Bridle Event Adviser for the Freshman and Transfer Fall BBQ–Fall 2013
      - Block & Bridle Event Adviser for Little North American – Fall 2013
      - Incoming Animal Science Freshman trip adviser to the Henry Doorly Zoo – Fall 2012, 23 students
    - **Additional Organization Participation:**
      - Block and Bridle: LNA Dairy Showmanship Judge – October 2020
      - Attended 1<sup>st</sup> Annual AGR Faculty/Staff Appreciation Dinner – November 2019

## SCHOLARSHIP IN TEACHING AND LEARNING

- Participant in the SoTL (Scholarship of Teaching and Learning) Scholars Program through the Center for Excellence in Learning and Teaching (CELT) for Fall 2016-Spring 2017
  - Research study titled: The effectiveness of note-taking pairs on retention of scientific and popular press articles



- Received \$1850.00 for completion of program to be used towards Professional Development
- Create, develop, implement, analyze, and ultimately present and/or publish scientific findings

## PEER EVALUATION OF TEACHING – EVALUATOR

- Dr. James Koltes: observed ANS 434 Dairy Systems Management – Fall 2019
- Dr. Crystal Brillhart: observed MICRO 302L Microbiology Laboratory – Fall 2020
- Dr. Dawn Koltes: analyzed ANS 214 Domestic Anatomy and Physiology Online – Fall 2020

## GRANTS AND FUNDING

- Eldred & Donna Harman Endowment Grant, 2013 - **\$1,500.00 Funded**, Intramural
  - New Wireless Buzzers for Quiz Bowl, 100% responsibility
- Eldred & Donna Harman Endowment Grant, 2013 - **\$2,600.00 Funded**, Intramural
  - Funding for hor d’oeuvres, small dessert snacks, and beverages for the Fall 2014 ANS 399A Internship Poster Fair, 100% responsibility
- CIP International Travel Grant “Summer 2013 Ethiopia Study Abroad: Agriculture in Africa”, **\$3,000 Funded**, 100% responsibility
- Johnson, A., J. Sterle, H. Jennings-Duoss, **C. Jackson**, B. McNeil. 2012. Video capture of beef cattle handling and behavior for the development of a new course in Livestock Handling and Safety. Edith D. Lagerstrom Beef Cattle Management and Entrepreneurship Fund. **\$2,555 Intramurally Funded**, Course Co-Developer, 20% responsibility
- Johnson, A., J. Sterle, H. Jennings-Duoss, **C. Jackson**, B. McNeil. 2012. Animal Science 190X Livestock Handling Course Beta Testing. Eldred and Donna Harman Grant, **\$6,000 Intramurally Funded**, Course Co-Developer, 20% responsibility

## PUBLICATIONS

- **Jackson, C. G.**, T. L. Neville, V. R. G. Mercadante, K. M. Waters, G. C. Lamb, C. R. Dahlen, and R. R. Redden. 2014. Efficacy of various five-day estrous synchronization protocols in sheep. *Small Ruminant Res.* 120:100-107

## ABSTRACTS

(\* denotes presenting author)

- **Burgett, C. G.**, J. J. Mitchell, and J. M. Bundy. 2018. Effects of note-taking pairs on students’ reading retention of scientific and popular press articles. Abstract presented at NACTA National Meeting in Ames, IA. June 2018.
- **Burgett, C. G.\***, J. A. Sterle, and J. M. Bundy. 2017. Male seniors were the lowest performing students in an introductory to dairy cattle science course. Abstract presented at ADSA National Meeting in Pittsburgh, PA. June 2017.

- Jennings H\*, **Jackson C**, Johnson A, Sterle J, McNeil B. 2015. Impacts of Course Delivery Methodology and Duration for a Hands-On Learning Based Approach to Livestock Handling. NACTA Journal: Vol. 59, Suppl. 1.
- **Jackson, C. G.\***, B. J. Williams and E. P. Berg. 2012. Gender has a substantial impact on student success in introductory animal science courses. Abstract presented at ASAS Joint Annual Meeting in Phoenix, AZ. July 2012.
- **Jackson, C. G.\***, T. L. Neville, V. R. G. Mercadante, K. M. Bischoff, G. C. Lamb, C. R. Dahlen, and R. R. Redden. 2012. Out-of-season reproductive performance of ewes synchronized to estrus with various 5 d protocols. Abstract presented at WSASAS Meeting in Phoenix, AZ. July 2012.
- **Jackson, C. G.\***, T. L. Neville, C. R. Dahlen, and R. R. Redden. 2011. Estrous synchronization in sheep using gonadotropin-releasing hormone, prostaglandin, and controlled internal drug release inserts. Abstract presented at WSASAS Meetings in Miles City, MT. June 2011.
- **Jackson, C. G.\***, E.K. Harris, K. A. Vonnahme, and E. P. Berg. 2010. Effects of maternal exercise during gestation on resting blood oxygen levels and gilt behavior. Presented at Midwest Sectional ASAS/ADSA Meetings in Des Moines, IA. March 2010.

## INDUSTRY/EXTENSION PUBLICATIONS

- McNeil, Brady M.; Jennings, Heather A.; **Jackson, Christen G.**; Johnson, Anna K.; and Sterle, Jodi A. (2015) "An Experimental Course: Animal Handling, Safety, and Well-Being," Animal Industry Report: AS 661, ASL R3038. 295 Downloads as of 12/8/2020.
- **Jackson, C. G.** 2013. Reproductive Performance in Sheep: Utilization of various five-day estrous synchronization protocols. North Dakota Sheep Industry Newsletter. January 2013.

## EXTENSION AND YOUTH OUTREACH

- Reviewer for publication 4H 0390, Bottle Bucket Calf – December 2020
- Organized Dairy Farm Tour and Workshops for Southern Valley FFA, Nebraska, October 2017
  - Conducted Dairy Judging Workshop for 4 FFA participants
- National Ayrshire Convention –Youth Quiz Bowl Judge, Altoona, IA June 2017
- Attended Dairy Iowa - June 2015, 2016, 2017
- Land O' Lakes Calf College, Ames, IA - May 2015
- Attended annual Iowa State Dairy Association meeting – January 2015, 2016, 2018
- National Junior Holstein Convention- Quiz Bowl Judge, Dubuque, IA June 2014
- Family Day On the Farm at the ISU Dairy Farm: June 2013, 2014, 2015, 2017, 2018, 2019
  - <https://vimeo.com/221483128> - (2017)
  - <https://www.cals.iastate.edu/features/2015/iowa-state-dairy-farm-open-house> - (2015)
    - Guest presenter in videos
  - Provided tours of the dairy farm and educated visitors about the dairy industry
- Iowa State 4-H Youth Dairy Quiz Bowl Contest: June 2013, 2014, 2016, 2017, 2018

- Assisted in coordination of events on contest day
- Iowa State University 4-H Ag Round Up: June 2013, 2014, 2015, 2016, 2019
  - In 2015, 2016, and 2019 was the sole coordinator of the dairy workshop
    - Brought in numerous guest speakers
  - Co-coordinated with Dr. Kilmer the Dairy Cattle Workshop for 2013 and 2014
  - Conducted Repro Wet Lab for approximately 20 students
  - Invited speaker in the Sheep Workshop: Presented – “Why I Like Wool” - 2013
- **Youth Contest Official**
  - North Dakota State Fair 4-H and FFA Youth Show Judge: July 2017
    - ~70 dairy cattle
  - Jasper County, Iowa – 4-H Youth Dairy Cattle Judge: July 2016, 2017
    - ~30 dairy cattle
  - Bremer County, Iowa – 4H Youth Dairy Cattle/Goat Judge (August 2014)
    - ~80 dairy cattle and ~15 dairy goats
  - Iowa 4-H State Youth Dairy Judging Contest Official (August 2013, 2014, 2015)
  - North Dakota State Fair FFA Dairy Round Robin Judge (July 2010, 2012, 2013)
  - North Dakota State 4-H/FFA Dairy Judging Contest Official (June 2011, 2012)

## **IOWA STATE UNIVERSITY DEPARTMENTAL COMMITTEES**

- Equity, Diversity, and Inclusion Committee: Spring 2018 – Present
- Curriculum Committee: Fall 2012 – Present
- Student Recruitment and Retention Committee: Fall 2012 – Present
- Chuck Wagon/Graduation Luncheon Committee: Fall 2012 – Present
  - Chair: Fall 2016 – Spring 2018
  - Volunteer: Fall 2019
- 4-H Round-Up Committee: Fall 2012 – Present
- Departmental Academic Quadrathlon: Fall 2012 – Present
  - Dairy Station Leader – Fall 2020
- 4-H Curriculum Development Committee: Fall 2012 – Spring 2014
- Search committee member for:
  - Lecturer Position – 2014
  - 4-H/Stem Curriculum Development Position – 2013

## **IOWA STATE UNIVERSITY DEPARTMENTAL/UNIVERSITY SERVICES**

- Member of Iowa’s Dairy Center Strategic Planning Committee – January 2019
- Volunteer at Breakfast on the Farm, NICC at Calmar, IA – June 2015
- Iowa State University College of Veterinary Medicine (CVM) Interviewer
  - Volunteered 8 hours in December 2015 to assist with 8 CVM behavioral interviews
  - Volunteered 8 hours in December 2013 to assist with 8 CVM behavioral interviews
- Midwest ASAS Academic Quadrathlon Lab Practicum Liaison between American Society of Animal Science (ASAS) and the Department of Animal Science at ISU: March 2014, 2015, 2016

Department of Animal Science, Iowa State University, Ames, Iowa

- Coordinated the lab practical portion of the Midwest ASAS Academic Quadrathlon and hosted 15 universities in 2014, 14 in 2015, and 16 in 2016
- Midwest ASAS Academic Quadrathlon Dairy Lab Practicum Coordinator, Omaha, NE – 2017, 2018, 2019, 2020
  - Coordinated the Dairy Lab Practicum Station for the regional contest
  - Served as chaperone and oversaw the ISU team at the AQ competition
  - In 2019 gather supplies needed for the dairy station and another faculty member facilitated the station
- ISU Local Academic Quadrathlon Co-Chair – 2018
  - Dr. Stephanie Hansen and I served as co-chairs for the 2018 ISU AQ Contest
  - Met with Block and Bridle co-chairs frequently to get event planned and organized
  - Implemented the written exam station along with Quiz Bowl and the Lab Practicum
  - 4 teams competed
- World Food Prize Immersion Session Presenter: April 2013 and 2014  
Department of Animal Science, Iowa State University, Ames, Iowa
  - Hosted the reproduction station which had various reproduction tracts on display and implemented an interactive activity, “Build Your Own Candy Reproduction Tract” (Fall 2013, ~50 participants)
  - Presented, coordinated, and created lecture: Animal + Agriculture: The Miracle of Life in Livestock (April 2013, ~20 participants)

## **CURRICULUM DEVELOPMENT AND ASSESSMENT**

- Iowa State University 4-H/STEM Curriculum
  - Co-Developer.
  - Developed livestock curriculum for online learning modules for Iowa Youth.
- Animal Science 190X: “*Livestock Handling, Well-Being and Safety*”
  - Course Co-Developer, Dairy 101 and Dairy Lab Instructor
- Animal Science 310X: “*Advanced Career Preparation in Animal Science*”
  - Course Developer, Instructor.
- New Adviser Online Training Modules
  - Co-Developer.

## **PROFESSIONAL DEVELOPMENT**

- Project LEA/RN Continuing Support Group, Member: Fall 2013 – Present
  - Composed of a small group of faculty members from across campus, that meets every two weeks for two hours, who are committed to learning and exploring new innovative approaches to teaching and understanding how the brain learns
  - Since July 2020 this group has been meeting once a week for 1 hour
- Frequent podcast listener of: tea for teaching and Teaching In Higher Ed
- Participate in online teaching meetings via WebEx to discuss teaching topics with fellow colleagues in the department
  - Weekly meetings mid-June 2020 – August 2020
  - Bi-weekly meetings mid-September – November 2020

- Cardinal Women Program Participant: Fall 2020
- Instructional Innovations in the College of Agriculture and Life Science: December 2020
- Iowa State Dairy Association Annual Meeting: December 2020
- Term Faculty – “What’s on your mind?” conversation with Dr. Carmen Bain and Dr. Sue Lamont: November 2020
- NACTA Webinar – “Creating Engaging Online Learning When Everyone Wants to Be Present”: November 2020
- Inclusive Classroom Training: completed pre-workshop learning modules and face-to-face training: April and August 2020
- Completed Title IX Training: “Preventing Harassment and Discrimination”: August 2020
- CELT Webinar, Top 10 tips for creating an accessible course: June 2020
- 4-State Dairy Nutrition and Management Virtual Conference: June 2020
- “Integrating Employability Skills in the Classroom, Laboratory and Beyond” – A Virtual Workshop Presented in Conjunction with NACTA and APLU-APS: June 2020
- NACTA Virtual Conference: June 2020
- Understanding FERPA Training: May 2020
- NACADA Webinar Series: “A Deeper Look at Incorporating Coaching Conversations into Academic Advising Practices” – February 2020
- Transferology Workshop – January 2020
- Cultural Competency Series: Cultural Awareness Training – January 2020
- Fall 2019 Academic Advising Summit – September 2019
- 22<sup>nd</sup> Annual Financial Aid Campus Partners Conference – September 2019
- Successfully completed, *Dairy Production and Management*, an online non-credit course authorized by The Pennsylvania State University and offered through Coursera
- College of Agriculture and Life Science’s Student Success and Retention Symposium: From Data to Action – March 2019
- Participant in Robin DiAngelo’s workshop on White Fragility – February 2019
- Alan Alda Center for Communicating Science “Connection is a Choice” – February 2019
- Active participant in the 2018 ADSA Pre-Conference Workshop titled, Teaching: Implementing Active Learning – June 2018
- Attended and presented at the North American Colleges and Teachers of Agriculture conference hosted by Iowa State University, June 12<sup>th</sup> – 15<sup>th</sup>, 2018; Ames, IA
- How to Handle Students in Distress Workshop put on by Dr. Tyler – May 2018
- Attended ISCORE (The Thomas L. Hill Iowa State Conference on Race and Ethnicity) - Spring 2018
- Engaged participant in the 2017 ADSA Pre-Conference Teaching Workshop – June 2017
  - Read the book *How Learning Works 7 Research-Based Principles for Smart Teaching*
- Spring 2017 Academic Advising Summit – April 2017
- Participant in the Scholarship of Teaching and Learning (SoTL) Scholars Program through the Center for Excellence in Learning and Teaching for Fall 2016 - Spring 2017
- Participant in CELT Workshop Series, The Research-Based Flipped Classroom: Team-Based Learning – June 2016
- 2016 Iowa Academic Advising Network (IowaAAN) Drive-in Conference – March 2016
- Certified National Dairy FARM Program Verifier Training: Completed May 2015

- Certificate of Completion: Advanced Dairy Nutrition Course by Dr. Michael Hutjens at the University of Illinois in May 2015
- Spring 2015 Advising Summit: Matters of Advising: Spotlight on Success
- Attended SVPP – Balancing Work and Private Life, March 2015
- CALS Women’s Networking Luncheon for non-Tenure Eligible Faculty hosted by Dr. Sue Lamont. Explored concepts and practical tips from Greg McKeown’s book, “Essentialism: The Disciplined Pursuit of Less” – March 2015
- Hoof Trimming Lab Workshop at ISU CVM with Dr. Jan Shearer - February 2015
- 62<sup>nd</sup> Annual Spooner Sheep Day in Spooner, WI - August 2014
- WebCast: Managing Online Course Workload offered through the Brenton Center for Agricultural Instruction & Technology Transfer - July 2014
- CELT: PowerPoint: Beyond Bullets: Being Creative in the Classroom - April 2014
- CELT: Award-Winning Faculty Series: Aligning Your Course With Learning Objectives Creates Efficiency - February 2014
- CELT lecture: Promoting Academic Integrity – November 2013
- CALS Equity Luncheon: “Journeys: with help along the way” hosted by Dr. Sue Lamont and sponsored by CALS ADVANCE – October 2013
- CALS Adviser Training Workshop Student Issues: Recognition and Referrals – October 2013
- Fall 2013 Advising Summit: Violence Incident Response Training (V.I.R.T.)/(ALICE) – September 2013
- Spring 2013 Advising Summit: Is there an app for that?
- Attended seminar, “Coming Into Your Own” and luncheon with Dr. Nancy Irlbeck as a part of the CALS “Alumni of Excellence” series - March 2013
- CELT seminar: Bb Learn: Using tests, quizzes, and surveys – February 2013
- CELT seminar: How to incorporate writing assignments into the classroom - February 2013
- CELT seminar: Frantic Student, Busy Instructor: How to Incorporate Writing into Your Class – February 2013
- Completed Project LEA/RN (Learning Enhancement Action/Resource Network) Workshop: Introduction to Learning-Centered Classes & Meetings – January 2013
- “Mentoring Relationships: Building Connections to Explore Career Options,” hosted by the ISU ADVANCE Equity Advisors and Women’s and Diversity Grants Program - 2013
- Attended bi-weekly Teaching and Advising meetings hosted by Dr. Sterle - 2013
  - Clickers in the Classroom – CELT
  - Using SafeAssign on BlackBoard – CELT
  - Using quizzes and tests on BlackBoard – CELT
  - Recognizing and Reporting Disruptive Behavior – Detective Nick Grossman
- CELT Lunch and Learn: “Beyond Social Media (A Retention Opportunity Hidden Behind a Facebook Mask),” by Dr. Howard Tyler – Fall 2012
- CALS Equity Luncheon: “Strategies and Issues in Work-Life Satisfaction” hosted by Dr. Sue Lamont – Fall 2012
- Moderator for seminar series at the National Goat Expo in Des Moines, IA – Fall 2012

## **UNIVERSITY AND DEPARTMENTAL RECRUITMENT**

- Journey to Animal Science at Iowa State University Recruitment Webinars – Panelist
  - Webinar 1 – 75 attendees held in November 2020
  - Webinar 2 – 63 attendees held in January 2021
- Experience Iowa State (EIS): January 2014 – Spring 2018
  - Conducted a total of 5 EIS sessions with 29 families present total
  - Completed EIS recycle visits – 8 total visits with 9 families total
- ISU Animal Science Student and Family Visits (1:10 visits): January 2013 – Present
  - 106 student visits have been completed to date with 214 families total in attendance
- ISU Transfer Student Visits and Orientations: January 2013 – 2016
- ISU Freshmen Orientation: Summer 2013 – Present
  - Aided in Virtual Summer Orientation with incoming freshman – 11 sessions in 2020
  - Assist incoming departmental freshman register for classes during summer orientation – 38 summer orientations sessions from 2013-2019
- ISU CALS Junior Visit Day: Spring 2013 – Present
- ISU CALS Parents/Family Weekend Reception: Fall 2012, 2013, 2014
- State FFA BBQ – helped serve dinner: Spring 2014, 2017
- ISU Animal Science Monitor Maintenance, Co-Manager: Fall 2012 – Fall 2018
- ISU Animal Science’s Facebook Page, Manager: Fall 2012 – Spring 2018

## **FACULTY MENTORING**

- Mentoring Crystal Brillhart, Assistant Teaching Professor through the advancement process to Associate Teaching Professor

## **HONORS AND RECOGNITION**

- 2020 Iowa Beta Chapter of Gamma Sigma Delta, The Honor Society of Agriculture - Teaching Award of Merit
- 2020 Initiate – Iowa State University Gamma Sigma Delta, Beta Chapter
- 2020 American Society of Animal Science/American Dairy Science Association Midwest Outstanding Young Teacher Award Recipient
- 2020 Nominee for the College of Agriculture and Life Sciences (CALS) Excellence in Teaching by Term Faculty Award
- 2019 Nominee for the CALS Student Recruitment and Retention Award
- 2018 Nominee for the CALS Student Recruitment and Retention Award
- 2017 CALS Early Adviser Award Recipient
  - Member of the CALS Louis Thompson Advising Academy
- 2011 NDSU’s Masters of Success Program Winning Project Manager awarded by Steve Winfrey, Matt Skoy, and Amy Graff (Advanced Leadership Development Program)
- Former featured student on the NDSU Homepage – University Relations
  - [https://www.ndsu.edu/vpur/studentnews/archive/christen\\_jackson/](https://www.ndsu.edu/vpur/studentnews/archive/christen_jackson/)
- 2010 2<sup>nd</sup> Place in the undergraduate research competition, oral division at the ASAS/ADSA Midwest Regional Meetings.

## **PROFESSIONAL ORGANIZATIONS**

- American Dairy Science Association
- American Sheep Industry
- Dairy Cattle Welfare Council
- Iowa Sheep Industry Association
- Iowa State Dairy Association
- National Dairy Shrine
- North American Colleges and Teachers of Agriculture