REBECCA C. BOTT-KNUTSON

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EXECUTIVE SUMMARY

Dean and Professor with 15+ postdoctoral years of experience in academic operations, particularly in undergraduate program development. Goal focused, organizationally savvy, resourceful, flexible, with an excellent record of scholarly outputs. Demonstrated ability to effectively lead a college and build productive teams of students, faculty, staff, and administrators. Delivers results-oriented organization and strategic direction. Connects people with opportunities. Core values of integrity, inclusion, innovation, and impact.

PROFESSIONAL EXPERIENCE

Dean, Van D. and Barbara B. Fishback Honors College, SDSU Interim Dean

2018-present 2016-2018

Leading Honors is a challenging and fulfilling experience. The challenge is rooted in the responsibility to provide an extraordinary community of learners and educators with an experience that elicits their greatest potential; the fulfillment discovered in moments of the journey when lessons are learned, and dreams realized. Select skills:

- Fundraising in excess of \$8.5 million in gifts and pledges to Honors in partnership with SDSU Foundation
- Recruitment and retention of students inclusive of all backgrounds and disciplines
- Coordination and oversight of Honors College course offerings and innovative co-curricular programs
- Stewardship of the Honors budget as well as endowment earnings of approximately \$650,000 annually
- Representation of Honors in university governance and cooperative relationships with campus units
- Development of positive relationships with alumni and stakeholders through networking, incorporating alumni into Honors programs, and engaging stakeholders in diversity and assessment initiatives
- Coordination of professional development opportunities for students, staff, and, faculty including the Honors Town Hall, Honors Summer Summit, a Faculty Interest Group on the Scholarship of Teaching and Learning in Honors, and regular seminars for Honors faculty
- Supervision and mentorship of Honors staff and programs with integrity
- Strategic alignment of college priorities with SDSU's strategic plan and NCHC's Best Practices
- Leadership for the development of student learning outcomes and assessment practices to drive impact
- Leadership of a \$749,977 federal grant and 14-institution team on innovative Honors pedagogies
- Orchestration of a comprehensive self-study and a rigorous external review through NCHC
- Cultivation of shared governance among faculty and students as advisory councils, think tanks, and advocates
- Development of honors professionals as Co-Chair (2021) and Chair (2022) of the Professional Development Committee for the National Collegiate Honors Council
- Contribution to the honors profession at the Upper Midwest Regional Honors Council (UMHC), National Collegiate Honors Council (NCHC), the Honors Education at Research Universities (HERU) biennial conferences, and within the national Council on Honors Education (CoHE)

Promoted to Full Professor

2020

Associate Professor of Animal Science & SDSU Extension Equine Specialist, SDSU Assistant Professor of Animal Science & SDSU Extension Equine Specialist, SDSU

2015-2016 2009-2015

- Coordination of 3-way appointments: 50% Extension, 45% Teaching, 5% Research
- Supervision of the SDSU Equine Teaching Facility
- Establishment of SDSU Equine as a regional, national, and international leader
- Oversight for the departmental curriculum committee and curriculum review task force

EDUCATION		
Ph.D. Biomedical Science Colorado State University, Fort Collins, CO.	2009	
Colorado State University, Fort Collins, CO Dissertation: <i>The role of interferon tau in luteal gene expression, steroidogenesis, and lifespan in ewes.</i> I.S. Animal Science University of Nebraska, Lincoln, NE Thesis: <i>The role of VEGF on seminiferous cord formation and vascular development in embryonic testes.</i>		
3.S. Animal Science University of Missouri, Columbia, MO	2003	
Training & Certifications		
Systems Thinking Certificate, Cornell University	2023	
This certificate included the following six courses in addition to a leadership symposium:		
1) Framing Complex Problems with Systems Thinking,		
2) Using the Four Simple Rules of Systems Thinking,		
3) Visualizing and Modeling Complex Systems,		
4) Building Analytical and Emotional Intelligence with Systems Thinking,		
5) Designing Organizations for Systems Thinking,		
6) Becoming a Systems Leader		
• Change Management Certificate, Washington University	2023	
This certificate included the following four courses:		
1) Leading Teams – Achieve More Together,		
2) Driving Change,		
3) Agile Emotional Intelligence – Everything DiSC Agile EQ,		
4) Executing Strategy at the Front Line		
Leadership and Management Certificate, University of Pennsylvania This will be a leader of the second of the	2023	
This certificate included the following four courses:		
1) Leadership in the 21st Century,		
2) Strategic Management – Competitive and Corporate Strategy,3) Managing and Motivating Talent,		
4) Managing the Global Firm		
• Institute for Honors Program Review & Assessment, National Collegiate Honors Council	2022	
• Leading Teams with Emotional Intelligence During Times of Change, Honorlock	2021	
	6-2021	
• Institute for Honors Deans and Directors, National Collegiate Honors Council	2020	
• Diversity Academy, South Dakota State University	2019	
·	5-2017	
•	5-2017	
• Mental Health First Aid Training, South Dakota State University	2016	
• Project Management Specialization, University of California, Irvine via Coursera.	2015	
This specialization included completion of the following online courses: 1) Initiating and Planning Projects, 2) Managing Project Risks and Challenges, 3) Budgeting and Scheduling Projects,	2013	

- 4) Project Management Capstone
- Design for Learning Program, Kansas State University

This program included the following five sessions:

- 1) Understanding Adult Learners,
- 2) Organizing and Designing Content Using the Logic Model,
- 3) Selecting Appropriate Teaching Tools,
- 4) Teaching for Transfer,
- 5) Assessing Learning Outcomes

HONORS & AWARDS

• Fellow, National Collegiate Honors Council	2024
• Supervisor of the Year Award, School of Education, Counseling, and Human Development, SDSU	2024
 Animal Science Graduate Student of Distinction, University of Nebraska 	2023
• Eagle Soar Award (highest honor) for Boards of Directors, Boys and Girls Club of America	2023
• Inaugural Global Achievement Award in Education Abroad, SDSU Office of International Affairs	2022
Keynote Speaker, SDSU Fall Conference	2020
• Service to Gamma Sigma Delta Award, SDSU	2019
• Distinguished Service Award, 4-H Western National Roundup Horse Classic	2019
• Sewrey Colloquium Speaker, SDSU	2016
• SDSU Convocation Speaker, SDSU	2015
• NACAA Communication Awards: State Winner in the Publication Category, NACAA	2015
• Timothy J. Nichols Award for Excellence in Undergraduate Advising, SDSU, Inaugural award	2015
Walt McCarty Excellence in Academic Advising Award, SDSU	2014
North Central NACAA Regional Communication Contest Award for Learning Module	2014
• Excellence in Building an Inclusive Community Award, SDSU	2013
Gamma Sigma Delta Extension/Outreach Award, SDSU	2012
 Outstanding Multi-Disciplinary Effort, SDSU Cooperative Extension 	2010
NIH Student Training Fellowship, Colorado State University	2008

ACADEMIC & ACCOMPLISHMENTS

65 SDSU Extension Publications

3 Book chapters in Peer Reviewed Books

5 Accepted Chapters in Monographs

52 Articles in Peer Reviewed Journals

103 Abstracts & Conference Presentations

21 Unique Courses

18 Guest Lectures

64 Invited Talks

\$1.6M Grants & Contracts

HONORS INNOVATION SHOWCASE

Leadership for National Honors Collaborative:

Since 2021, I have provided leadership for a team of honors professionals from 14 institutions in the innovation of ideas to transform higher education to prepare students to address the world's most grand challenges. This work is **federally funded by the USDA-NIFA** and has led to 6 peer-reviewed journal articles, 2 book chapters, 3 additional chapters accepted for publication in honors monographs, and 14 conference presentations.

2015

Teaching & Learning and COVID-19 Scholarship:

- Alongside the rest of the university, Honors adjusted to offer curriculum in a safe manner during the pandemic. Our team laid the framework for offering HON 100 in f2f, hybrid, synchronous online, and asynchronous online. We now have a solid plan in place whereby we can offer HON 100 in any format. We implemented new strategies for connecting with students. Our weekly check-in was the #1 most commented on topic in our student surveys. Students expressed both surprise and gratitude to have received personalized 1:1 intervention when they weren't doing well. This strategy along with others are published in the *Honors in Practice Journal*.
- Engaged with a recent Honors graduate, Camille Massmann, along with members of the honors faculty as well as our Chief Diversity Officer to conduct a survey of *Living and Learning* during COVID. Our work was published in a special COVID-Issue of the *Journal of the European Honors Council*. It was one of the first primary research articles on the topic in the world. An executive summary was shared with campus leaders and during a national meeting of the APLU-affiliate group, the Council of Honors Education.

PROFESSIONAL SERVICE

Service to South Dakota State University (select examples)

- Coordination of systems analysis for the SDSU R1 Carnegie Classification Steering Committee, 2023-2024
- Founder and Chair for SDSU's Nationally Competitive Scholarships Team, 2016-present
- Chair of the Schultz-Werth (senior research paper) Award Committee, 2017-present
- Chair of the Undergraduate Research Proposal Committee, 2017-present
- Chair of the Undergraduate Commencement Speaker Selection Committee, 2017-present
- Co-coordinator of the Women in Academic Management network, 2017-2020
- Member of the SDSU Strategic Enrollment Management Council, 2017-2019
- Director of the Fishback Summer Scholars Program, 2017-2019
- Member of the High-Quality Academic Programs committee for the SDSU strategic planning process, 2017
- Chair of the SDSU and community Common Read Committee, 2016-present
- LeadState (sophomore leadership development program) Facilitator, 2016-2022
- Co-Founder and Facilitator of *Sunka Wakan*, SDSU, 2015-2016 (Co-facilitating opportunities for students form the American Indian Student Center to connect on campus through horses.)
- Facilitator for 3 SDSU *The Difference is Dialog* cohorts:
 - 1) Students of Color and White Students, 2015
 - 2) Student from Urban and Students from Rural Backgrounds, 2015
 - 3) The Pluralistic Nature of Privilege, 2016
- Contributor to New Student Summer Orientation, 2009, 2010, 2014, 2016-present
- Panelist, SDSU New Faculty Orientation, 2015-2016 and New Staff Orientation, 2017

Service to the College of Agriculture and to the Department of Animal Science

- College of Agriculture and Biological Science (Ag & Bio) Curriculum Committee, 2014-2016
- President of Gamma Sigma Delta, 2014-2015
- SDSU College of Ag & Bio Strategic Planning Committee, 2012-2013
- SDSU Extension Field Specialists Standards Development Committee, 2012
- Extension Visioning Committee, SDSU Extension, 2011
- SDSU Animal Science Curriculum Committee, 2009-2016; Chair 2014-2016
- Co-Chair SDSU Animal Science Undergraduate Curriculum Review Task Force, 2014-2016
- Animal Science Faculty Advisory Committee, SDSU, 2011-2014, 2016

Professional Memberships and Service to the Profession

Council of Honors Education (2020-present)	Student Engagement Co-chair Data Management Committee	2020-present 2022-present
National Collegiate Honors Council (2016-present)	Assessment Committee Membership Committee Site Visit Review Team Chair, ProDev Committee Chair Elect, ProDev Committee ProDev Committee Visioning, Implementation and Process Team	2024-present 2024-present 2023-present 2022-2023 2021-2022 2019-present 2019
Upper Midwest Honors Council (2017-present)	President	2017
Boys and Girls Club of the N. Plains (2017-present)	Corporate Board Vice President Corporate Board Secretary Brookings Advisory Board	2023-present 2021-2023 2017-2020
Equitarian Initiative	Board Member	2015-2017
North American Colleges and Teachers of Ag	Lifetime Member	2014-present
National Assn of County Ag Agents	Member	2013-2016
American Society of Animal Science	Chair, Equine Committee Equine Committee Teaching Committee	2013-2014 2010-2016 2010-2013
Equine Science Society	Member Reproductive Physiol Committee	2009-2017 2013-2015
American Youth Horse Council	Board Member Executive Team (Secretary) Publications Committee Co-Chair, Research Committee	2012-2016 2014-2016 2012-2016 2013-2016
4-H National Western Roundup	Horse Classic Superintendent Chair, Horse Classic	2010-2018 2016-2018
Society for the Study of Reproduction	Trainee Member Board of Directors	2003-2009 2007-2009
Andrology Society	Trainee Member	2005
Nebraska Physiological Society	Trainee Member	2004-2005

INTERNATIONAL ENGAGEMENT

Study Abroad

- Co-taught "The Ethos of Honors" Greece study abroad pre-departure course, 2024
- Develop teams of Honors faculty and staff to lead annual Honors Study Abroad, 2018-present
- Co-led "Interdisciplinary Immersion in the Emerald Isle" Honors study abroad to Ireland, 2017
- Co-led "China Ag" study abroad experiences for 20-30 students per year, 2013, 2014, 2015
- Participated in an agricultural study abroad in Germany, 2002

Community Engagement & Continuing Education

- Participated in the Equitarian Initiative Workshops in Mexico (2011, 2012, 2013), Nicaragua (2014), and Costa Rica (2015) bringing veterinary care and educational services to working equids and their care takers
- Delivered continuing education curricula for veterinarian participants in Equitarian Initiative Workshops, 2012-2015

Research

- Evaluation of the Henneke Body Condition Scoring system in working equids, Central America
- Community-based participatory research interfaced with equine welfare assessment to learn about working equids and their owners in Vera Cruz, Mexico

Conferences & Conference Presentations

- Presented at the Working Equid Colloquium in London, England
- Participated in the World Donkey Sanctuary Invitational Conference in Devon, England
- Presented at two annual conferences for the Society for the Study of Reproduction in Vancouver, Canada and in Quebec, Canada

TEACHING & ADVISING

Philosophy

I have honed my teaching philosophy by focusing my efforts in the areas of scholarship, incorporating problem-based and team-based learning, and creating a community atmosphere in class. I strive to embed Honors in agriculture experiences and to update course materials as new information becomes available. Further, I incorporate written and oral communication assignments into every course.

Stewardship of the Honors Curriculum

The Fishback Honors College is a premiere academic program at SDSU. Under my leadership, Honors has taken strides to define quality and to measure the impact of a quality Honors education.

- Completed the SDSU Assessment Academy and implemented new student learning outcomes and assessment practices in partnership with Honors faculty, staff, alumni, students, and community partners. I have connected students, faculty, administrators, and community stakeholders committed to continuous development, innovation and student success within the Van D. and Barbara B. Fishback Honors College to produce a team dedicated to the creation of achievable goals with measurable criteria. This method of accountability delivers and maintains high standards of quality and equity. Our assessment plan constitutes a multi-pronged approach, including several assessments, a pilot program, validation, and regular review of our plan.
- Taught twelve Honors courses (including three new Honors Colloquia) and coordinated the Honors Capstone.
- Engaged faculty from across each academic college at SDSU to create new and innovative multi-disciplinary venues for learning within the Honors Colloquium series.
- Partnered with faculty and department heads to explore needs for new general education honors courses and guided them to areas of need as opposed to areas of redundancy.

Primary Teaching Responsibilities

Honors Colloquium: Climate Justice, 2024*

Honors Study Abroad: The Ethos of Honors, 2024#

Honors Design Challenge, 2024* Honors Hackathon, 2023-present*

Honors Colloquium: Food Justice, 2023*

Honors Colloquium: My Place in the World, 2022-2023#

Honors Colloquium: The Propinquity of Humans and Animals, 2017*

Honors Study Abroad: Interdisciplinary Immersion in the Emerald Isle, 2017*

Honors Orientation, 2016-2021#

Honors First Year Seminar, 2016, 2017#

Honors Leadership and Service, 2016#

Honors Senior Seminar, 2016

Horse Production, SDSU, 2014-2016#

China Ag Study Abroad Class, SDSU, 2013-2015

Equine Reproductive Management, SDSU, 2009-2016#

Equine Internship Coordinator, SDSU, 2009-2014#

Equine Nutrition, SDSU, 2009-2013#

Stable Management, SDSU, 2009-present#

English Horsemanship, SDSU, 2009-present*

Equine Issues and Leadership, SDSU, 2009-present*

Junior Seminar, SDSU, 2009

*Courses developed by RC Bott-Knutson *Courses re-designed by RC Bott-Knutson

Guest Lectures

Servant Leadership Panel. 2024. Leadership in Context, SDSU

The Value and Mindset of Honors. 2016-present. Pharmacy First Year Seminar, SDSU

Honors and the Pre-Vet Path. 2020-2022. First Year Veterinary Science Seminar, SDSU

Immunology of Venereal Diseases in the Horse. 2016. Advanced Concepts of Infectious Disease, SDSU

Horses in Western Culture. 2016. Honors Colloquium on The Western, SDSU

Introduction to the Horse Industry. 2016. Introduction to Animal Science, SDSU

Equine Body Condition Scores, & Vital Signs. 2015-2016. Introduction to Animal Science Laboratory, SDSU

Venereal Diseases of the Horse. 2015-2016. Equine Health & Diseases, SDSU

Horses and Healing. 2015. Honors Colloquium on Healing, SDSU

Opportunities in Animal Science. 2015. Exploratory Studies, SDSU

Compost Design Challenge. 2015. Project Development for Ag & Bio Engineers, SDSU

Compost Design and Construction Field Day. 2013. Ag Systems Waste Management, SDSU

Writing for Stakeholders. 2012 & 2015. Current Issues in Animal Science, SDSU

Fertilization. 2011. Graduate Reproductive Physiology, SDSU

Equine Nutrition. 2009. Applied Animal Nutrition, SDSU

Recurring Lectures. 2006-2007. Introduction to Equine Science, CSU

Recurring Lectures. 2007. Domestic Animal Reproduction, CSU

Reproductive Management of Domestic Animals. 2004-2005. Japanese Agricultural Training Program, UNL

Invited Talks

- 1. A Primer on Systems Thinking and Application in the Future of Food, Climate, and Sustainable Agriculture. 2024. University of Nebraska-Lincoln. College of Agricultural Sciences and Natural Resources Seminar.
- 2. Design Your Life: Reflections of a Husker Alumna. 2024. University of Nebraska-Lincoln. Animal Science Seminar.
- 3. Evolving Honors Admission Policies. 2024. NCHC. Honors Community of Practice.
- 4. The Justice Challenge: A National Honors Initiative. 2024. SDSU Faculty Senate.
- 5. Thinking in Systems. 2024. Chi Sigma Alpha and the College of Education & Human Sciences Workshop.
- 6. The Nexus of Honors, Faculty Development, and Centers for Teaching and Learning. 2024. NCHC. Honors Community of Practice.

- 7. Engaging Alumni and Raising Funds in Honors. 2023. NCHC. Honors Community of Practice.
- 8. Honors in the Off Season. Bott-Knutson & Breuninger. 2021. NCHC Virtual Roundtable on Professional Development.
- 9. The Benefit of Teaching in Honors. 2021. Northern Illinois University Honors Program.
- 10. Critical Conversations. 2017. SDSU Fall Conference.
- 11. The Difference is Dialog. 2017. SDSU Office of Diversity, Inclusion, Equity, and Access Fall Panel. Brookings, SD.
- 12. Addressing Controversy with Civility. 2017. REEU Professional Development Series.
- 13. Confidence in Navigating Classroom Dialog. 2017. Center for the Enhancement of Teaching and Learning (CETL) Workshop.
- 14. Intergroup Dialog Program: A Vehicle for Educating Students about Diversity. 2017. SDSU Advising Center.
- 15. Fulfillment Begins with You: Live Life from the Inside Out. 2017 Golden Key Honors Society.
- 16. Communicating Science to the Public. 2016 SDSU Bio-Micro Graduate Student Association Meeting.
- 17. Empowering Students via Experiential Learning. 2015 SDSU CETL GTA Workshop Series.
- 18. Preparing for Equine Emergencies. 2015. Invited to speak at SDSU Horse Club.
- 19. SDSU Travel Abroad. 2015. Panelist, Gamma Sigma Delta College Discussion Day.
- 20. Opportunities to Study Abroad with SDSU Ag & Bio. 2015. Dairy Farm Operations.
- 21. The Impact of Fraternity Days in our Lives. 2013. Keynote Speaker, SDSU Greek Spring Banquet.
- 22. Becoming Leaders and Giving Back. 2010. Keynote Address, CERES Awards Banquet.
- 23. Equine Issues and Leadership: Preparing Emerging Leaders in the Equine Industry. 2010. Teaching and Learning Community, SDSU.

Student Mentorship

- 4 Honors Design Challenge Participants
- 124 Honors Teaching Assistants
- 7 Honors SoTL Project Partners
- 10 Honors Theses
- 180 Honors Justice Challenge Scholars
- 8 Equine Teaching Assistants
- 7 Equine Research Project Partners
- 12 Equine Extension Project Partners/Interns
- 7 Master's Committees
- 3 Doctoral Committees

Mentee Awards

- 1 Award in The Justice Challenge Inaugural Design Challenge Competition (1st Place)
- 1 Student team invited to participate in the Hult Prize International Summit
- 2 Udall Scholars
- 1 Rhodes Scholar
- 2 Joseph F. Nelson Undergraduate Research Awards
- 1 Schultz-Werth Senior Research Paper Award
- 1 Midwest Animal Science Undergraduate Research Competition Award (3rd Place)
- 5 Awards at the SDSU Undergraduate Research, Scholarship, and Creative Activity Day Competition
- 1 Griffith Research Award
- 1 SDSU Entrepreneurship Competition 2nd Place Award
- 1 Equine Science Society Undergraduate Competition Award (3rd Place)
- 1 Department of Animal Science Britzman Graduate Student Award

Establishing Multi-disciplinary Venues for Student Engagement

- Engaged faculty from numerous disciplines to create new and innovative multi-disciplinary venues for learning within the Honors Colloquium series.
- Initiated the framework for collaborations with faculty from Equine Science and Curriculum and Instruction. We have mentored two graduate students pursuing their master's degree in Curriculum with an emphasis on equine. This collaboration positively impacted teaching pedagogies used within the SDSU Equine curriculum while also providing a venue to serve graduate students who have an equine interest.
- Co-founded Sunka Wakan initiative to leverage the profoundly emblematic horse as an opportunity to welcome and connect American Indian students within their campus community. This partnership spans the American Indian Student Center, the University College, the Equine Teaching and Outreach Facility, and the Fishback Honors College.
- Facilitated opportunities for students to pursue their combined interests in equine and other personal passions such as Spanish, communications, and education.
- Facilitated opportunities to explore agriculture an underrepresented discipline within honors education.

Fostering Diversity, Inclusion, Equity, and Access

I am committed to diversity, inclusion, equity, and access. Fostering an atmosphere which is not only aware, but appreciative of diverse peoples, cultures, and thought processes elevates our entire community.

- Founder of the *First Year Fellowship* program designed to engage honors, Native American and international students in community as they navigate their transition in the first semester of college. Our 6th annual cohort just completed the program.
- Co-founder of Sunka Wakan Program, SDSU, 2015-2016 (Co-facilitating opportunities for students from the American Indian Student Center to connect on campus through horses.)
- Faculty Facilitator for 3 SDSU *The Difference is Dialog* cohorts: 1) "Students of Color and White Students", 2015; 2) "Student from Urban and Students from Rural Backgrounds", 2015; 3) "The Pluralistic Nature of Privilege", 2016.

EXTENSION & OUTREACH

South Dakota State Equine Specialist

Provided quality information that benefited horses and their owners

- Targeted efforts focused on youth, acreage/hobby farms owners, working and reservation equines in SD.
- Secured funding to revitalize the 4-H Horse and Pony Project.
- Developed and published new curriculum, Youth HORSE Training which focuses on Horse Ownership, Responsibility, Safety, and Education.
- Developed my signature program *The Equitarian Project: Reaching underserved audiences in our backyard and around the world.*
 - ✓ Traveled to rural Mexico, Nicaragua, or Costa Rica with a team of veterinarians and equine welfare groups from around the globe. Our mission: improve the lives of people through improving the lives of their working equids.
 - ✓ Mentored an undergraduate on a needs assessment for reservation equines. This project enabled us to identify a need for hoof care among equines on American Indian Reservations.
 - ✓ Implemented a successful farrier apprenticeship series hosted on Pine Ridge in 2012 and in Cheyenne River and Rosebud in 2013. As a result of these programs, twelve community members on SD reservations have been empowered to care for their own horses as well as others in their local communities. This community of learners is making an impact in their local communities. These efforts were recognized with the SDSU Award for Excellence in Building Inclusive Community in 2013.

Established SDSU as an invaluable source of equine-related expertise for stakeholders

- Served as the SDSU liaison to the South Dakota Horse Council, as a leader on the South Dakota 4-H Horse Committee, and as a faculty supporter of the South Dakota State FFA Horse CDE.
- Superintendent (2010-2018) for the National Western 4-H Horse Classic and assumed duties as committee and contest Chair in 2016.
- Served on the American Youth Horse Council Board of Directors 2012-2016 and was elected to the executive team as AYHC Secretary in 2014.
- SDSU Equine made an impact globally through my efforts with the Equitarian project in Mexico, Nicaragua, and Costa Rica as well as my presence at the 2014 Working Equid Colloquium in London, and through the site visits to equine facilities I co-coordinated in China and Hong Kong during the 2014 SDSU China Ag experience.
- Served as the co-chair for the SDSU Extension Small Acreages Committee from 2009-2011. This is a multi-disciplinary group assembled to meet the needs of the increasing numbers of small acreage owners in SD. Many of these small acreage owners are also owners of horses who have traditionally depended on others (i.e. boarding facilities, etc.) to care for their horses. These efforts were recognized with the SDSU Extension Outstanding Multi-Disciplinary Effort Award in 2010.

Invited Presentations

- 1. Giving a Hand-Up to Underserved Communities. Keynote Address. 2016. AYHC Annual Symposium.
- 2. The Equitarian Project: Reaching Underserved Equids in our Backyard and Around the World. 2016. SDSU Sewrey Colloquium. Brookings, SD.
- 3. Community Engagement and Behavior Change. 6th Equitarian Workshop. Costa Rica.
- 4. Malnutrition of the Working Equid. 6th Equitarian Workshop, Costa Rica.
- 5. Initiating and Maintaining a Successful Working Equid Health Program. 6th Equitairian Workshop, Costa Rica.
- 6. Youth HORSE Training: Selection and Evaluation. 2015. Tri-State Horse Expo, Sioux Falls, SD.
- 7. Spring Health Planning. 2015. Tri-State Horse Expo, Sioux Falls, SD.
- 8. Underserved Horses on South Dakota Reservations. 2014. Unwanted Horse Summit, St. Paul, MN.
- 9. Horse Health: Considerations for Risk and Containment of Disease Threats. Presented with students. 2014. South Dakota Horse Council Spring Clinic, Brookings, SD.
- 10. Youth HORSE Training: Selection and Evaluation. 2014. South Dakota Horse Council Spring Clinic, Brookings, SD.
- 11. Youth HORSE Training: Nutrition. 2013. South Dakota Horse Fair, Sioux Falls, SD.
- 12. Reservation Equine Welfare Assessment. 2012 UVM "Across the Fence news show" http://www.uvm.edu/extension/atfblog/?m=201211
- 13. Horse Nutrition and Management. 2012. Enck Training Clinic, Carthage, SD.
- 14. iGrow Horses: Exciting Opportunities for Acreage Owners. 2012. SDSU Extension Small Acreage Workshop, Rapid City, SD.
- 15. Youth HORSE Training: Emergency Preparedness. 2012. South Dakota Horse Fair, Sioux Falls, SD.
- 16. The Pressure to Perform. Student presentation. 2012. South Dakota Horse Fair, Sioux Falls, SD.
- 17. The Pressure to Perform. Student Presentation. 2012. Black Hills Stock Show, Rapid City, SD.
- 18. Transportation and Preparation of Horses for Competition. 2011. South Dakota 4-H Rodeo Finals, Fort Pierre, SD.
- 19. Health and Nutrition of Horses, 2011. Small Acreage Living, Dell Rapids, SD.
- 20. Global Perspectives of the Equine Industry. 2011. South Dakota Horse Fair, Sioux Falls, SD.
- 21. Horse Safety Training. 2011. Brookings County 4-H, Brookings, SD.
- 22. Competition and Transportation of Horses. 2011. Faith Rancher's Forum, Faith, SD.
- 23. Global Perspectives of the Horse Industry and the Unwanted Horse. Student Presentation. 2011. Black Hills Stock Show, Rapid City, SD.
- 24. Forage Quality and Noxious Plants. 2010. Enck's Training Community Day, Carthage, SD.
- 25. Horse Nutrition and Showmanship. 2010. Schiferl Youth Horse Day, Fordyce, NE.
- 26. Horse Health, Nutrition and Reproduction. 2010. Pine Ridge Short Course, Pine Ridge, SD.
- 27. Basics of Horse Nutrition. 2010. Pennington County Small Acreage Program, Rapid City, SD.

- 28. Finding the Balance: Horse Processing and Legislation. Student Presentation. 2010. South Dakota Horse Fair, Sioux Falls, SD.
- 29. Horse Health and Nutrition 101. 2010. South Dakota Horse Fair, Sioux Falls, SD.
- 30. Horse Nutrition. 2010 SD CES Small Acreage Program, Brookings, SD.
- 31. Finding the Balance: Horse Processing and Legislation. Student Presentation. 2010. South Dakota Legislative Session, Pierre, SD.
- 32. Finding the Balance: Horse Processing and Legislation. Student Presentation. 2010. Black Hills Stock Show, Rapid City, SD.
- 33. Horse Nutrition 101. 2009. Beresford Horse Care Clinic, Beresford, SD.
- 34. Reproductive Management of the Mare. 2009. Black Hills Horse Care Clinic, Spearfish, SD.
- 35. Equine Health and Nutrition; Considerations for the Young Athlete. 2009. South Dakota Racing Commission, Fort Pierre, SD.

RESEARCH, SCHOLARSHIP & CREATIVE ACTIVITY

Invited Research Presentations

- 1. Working with Underserved Equids in South Dakota. Developed by Rebecca Bott, Angie Varnum and Judy Batker, co-presented by Rebecca Bott and Judy Batker. 2015. 6th Equitarian Workshop, Puerto Jimminez, Costa Rica.
- 2. Applied Research on Working Equids; Objectively measuring stress and pain responses to assess the impact of interventions for health and improved welfare. Developed by Amy McLean and Rebecca Bott, presented by Bott. 2015. 6th Equiatarian Workshop. Puerto Jimminez, Costa Rica.
- 3. The role of Vascular Endothelial Growth Factor in Embryonic Testis Morphogenesis. 2015. Animal Science Graduate Seminar, Brookings, SD.
- 4. Initiating an Equitairian Initiative on American Indian Reservations in South Dakota. 2014. 5th Annual Equitarian Workshop. Ometepe, Nicaragua.
- 5. Reservation Equine Welfare and Equitarian Efforts. 2013. 3rd Annual Equitarian Workshop, Tlaxcala, Mexico.
- 6. The Role of Interferon-tau in Luteal Gene Expression, Steroidogenesis, and Luteal Lifespan in the Ewe. 2009. North Dakota State University Department of Animal Science Seminar, Fargo, ND.

Grants & Contracts (Select Examples)

- 1. **Bott-Knutson RC**, Garbutt K, Kotinek J, Knox P, Cassady J, Hickman K, Bryk M, Sumner S. USDA NIFA HEC. "The Justice Challenge: Engaging Students in the Future of Food, Climate, and Sustainability" *Status: Active* \$749,977.
- 2. Nepal MP, **Bott-Knutson RC**, Mathew F, Janaswamy S, White PT. USDA AFRI-ELI. "Future Agricultural Task Force-Research and Extension Experiences for Undergraduates (FAST_REEU)" *Status: Completed* \$278,909
- 3. **Bott-Knutson RC**. National Collegiate Honors Council Consultation Grant. 2016. *Status: Completed* \$2,500
- 4. Nichols, TJ. (**Bott RC** assumed role of PI when Nichols left SDSU) USDA NIFA HEC "Meeting the Grand Challenges" 2016.

Status: Completed \$136,500

 Gonda M, Anand S, Anderson J, Bott RC, Brake D, Casper D, Chase C, Cortus E, Grings E, Levesque C, McDaniel R, Perry G, Scaria J, Smart A, St-Pierre B, Underwood K, Walker J, Woyengo T, Young A, Zuelly S. USDA NIFA. "Mentoring undergraduate students in precision livestock production for the 21st century" 2015.

Status: Completed \$280,000

6. **Bott RC**, Wright C, Hay C, Casper D. International Gamma Sigma Delta Chapter Enrichment Grant. "First Annual GSD Celebration of Excellence and Collaborative Exchange" 2015. Status: Completed \$450

7. Isaacson M, Fishback MB, **Bott RC**, Brandenburger S, Varnum A. SDSU Scholarly Excellence Funds Proposal. "Psychometric Evaluation of Hope and Resilience Measures in Native American Youth Wellness: A Preliminary Study" 2016.

Status: Completed \$9,068

- 8. **Bott RC**, Wright C, Hay C, Casper D. International Gamma Sigma Delta Chapter Enrichment Grant. "First Annual GSD Celebration of Excellence and Collaborative Exchange" 2015. Status: Completed \$450
- 9. **Bott RC**, Burke S. Extension contract with Rosebud Extension and Standing Rock Extension. 2013. *Status: Completed \$16,000*
- USDA Honors in Agriculture, SDSU. "Development of Laboratory Techniques to Assess the Effects of Neuropathic EHV-1 on Horse Blood Cells". Awarded to Olivia Kendall under the mentorship of Rebecca Bott. 2013.

Status: Completed \$2,000

11. Honors in Agriculture Fellowship: "The effect of dietary yeast supplementation on immune function parameters in horses; following a research problem from beginning to end". Tishawnna Carpenter and **Rebecca Bott.** 2013.

Status: Completed \$2,332.49

12. Ag/Bio Council Development Grant. "Development of educational compost demonstration plots". **Rebecca Bott**, Erin Cortus. 2012.

Status: Completed \$2,000

- 13. SDSU Research and Scholarship Support Fund. "Development of biomedical assays to elucidate mechanisms in equine immunology and disease resistance". **Rebecca Bott**, Alan Young, Chris Chase. 2012. *Status: Completed* \$7,500
- 14. Academic and Scholarly Excellence Initiative Grant. "The effects of dietary yeast supplementation on immune function parameters in mares and their foals". **Rebecca Bott**, Alan Young, Chris Chase. 2012. *Status: Completed* \$10,000
- 15. Honors in Agriculture Fellowship: "The effect of dietary yeast on immune function parameters in horses". Tishawnna Carpenter, **Rebecca Bott**, and Alan Young. 2012. *Status: Completed* \$2,489
- Honors in Agriculture Faculty Development Mini Grant: "AS 449 Equine Issues and Leadership: An Honors in Agriculture Opportunity". Rebecca Bott. 2011.
 Status: Completed \$2,944

17. Honors in Agriculture Fellowship: "2011 South Dakota Equitarian Survey". Angela Gebhart and **Rebecca Bott**. 2011.

Status: Completed \$1,000

- 18. SARE Grant: "Small Acreage Success: Connecting Natural Resource Professionals with a Non-traditional Audience" Mindy Hubert, Roger Gates, **Rebecca Bott**, Penny Nester, Dusty Jager, and Adele Harty. 2010. *Status: Completed* \$95,000
- 19. SD CES Enhancement Grant: "Revitalizing the SD 4-H Horse Project" **Rebecca Bott**, Rod Geppert, Lindsey Gerard, John Keimig, Will Kennedy, Justin Keyser, and Tracey Renelt. 2010. *Status: Completed* \$4,965.70

<u>Internally Reviewed Publications</u> (Student authors are indicated with *)

1. *Gebhart AG, under the mentorship of **Bott RC.** The Equitarian Initiative: International Humanitarian Aid Using Horses. SDSU Journal of Undergraduate Research, 2011.

<u>Book Chapters in Peer-Reviewed Books</u> (Student authors are indicated with #)

- 1. Appel, H., Bott-Knutson, R.C., Hart, J., Knox, P., Radasanu, A., Fine, L., Nichols, T., Roberts, D., Zeigler, W., Kotinek, J., Garbutt, K., Cooke, K., Keen, R., Anderson, M., & Kapur, J. (2023). Teaching and Learning in the Fourth Space: Preparing Scholars to Engage in Solving Community Problems. Honors Colleges in the 21st Century, edited by Richard Badenhausen, National Collegiate Honors Council, (pp. 441-75).
- 2. Parolin, P., Nichols, T.J., Skinner, D., & Bott-Knutson, R.C. (2023). The Role of the Honors Dean in the Future of Honors Education. Honors Colleges in the 21st Century, edited by Richard Badenhausen, National Collegiate Honors Council, (pp. 155-79).
- **3.** Hansen, T.R., **Bott, R.,** Romero, J., Antoniazzi, A., & Davis, J.S. Corpus Luteum and Early Pregnancy in Ruminants in The Life Cycle of the Corpus Luteum. Springer International Publishing Switzerland 2017. DOI (10.1007/978-3-319-43238-0 11).

Monographs Chapters Accepted for Publication in 2024 (Student authors are indicated with #)

- 1. **Bott-Knutson, R.C.**, Kotinek, J., Appel, H., Hart, J.L., Knox, P., Radasanu, A., Roberts, D.M., Nichols, T., Fine, L., Ziegler, W., Bryk, M., Sumner, S., Cordingley, K., Bastian, G.E., Budowle, R., *Roerig, N., Stroud, A., & Garbutt, K. (2024). An Edifying Honors Collaborative., Honors and Faculty Development, edited by J. Zubizarreta & V. M. Bryan (Eds.), National Collegiate Honors Council.
- 2. **Bott-Knutson, R.C.**, O'Leary, S., Breuninger, S., Youmans, K.D., Chamberlain, J., & Nowinski, S. (2024). A Critical Role for an Honors Community of Practice. Honors and Faculty Development, edited by J. Zubizarreta & V. M. Bryan (Eds.), National Collegiate Honors Council.
- 3. Hart, J.L., **Bott-Knutson, R.C.**, Appel, H., Kotinek, J., Knox, P., Sumner, S., *Roerig, N., Ziegler, W., & Fine, L.E. (2024). Hacking through the Silos: Honors Faculty Development. Honors and Faculty Development, edited by J. Zubizarreta & V. M. Bryan (Eds.), National Collegiate Honors Council.
- 4. Laron, C., Celik Wiltse, E., Sackreiter, K., & **Bott-Knutson, R.C.** (2024). Exploding the Silos: How Honors and CETL Collaboration Can Transform Faculty Development. Honors and Faculty Development, edited by J. Zubizarreta & V. M. Bryan (Eds.), National Collegiate Honors Council.

5. Sackreiter, K., **Bott-Knutson, R.C.**, Larson, C., & Celik-Wiltse, E. (2024). A Faculty Interest Group for the Scholarship of Teaching and Learning in Honors. Honors and Faculty Development, edited by J. Zubizarreta & V. M. Bryan (Eds.), National Collegiate Honors Council.

Articles Under Review (Student authors are indicated with #)

1. Hart, J.L., Bryk, M., Fine, L., Kotinek, J., **Bott-Knutson, R.C.** (Submitted, June 2024). Reacting to the Past as a Leadership Pedagogy Tool: Running an mMORP(L)G. Submitted to the *Journal of Leadership Education*.

<u>Articles in Peer Reviewed Journals (Student authors are indicated with #)</u>

- 1. Hart, J.L., Radasanu, A., Nichols, T., **Bott-Knutson, R.C.**, Kotinek, J. (2024). From Individuals to Neighbors: Growth Through Embracing Positionality. *Journal of the National Collegiate Honors Council*. In Press.
- 2. **Bott-Knutson, R.C.**, Hart, J., Appel, H., Kotinek, J., Knox, P., Ziegler, W., Roberts, D., Radasanu, A., Nichols, T., Fine, L. (2023). Simul Fortior: The Rise of an Honors Collaborative and The Justice Challenge. *Journal of the European Honors Council*. 6(2).
- 3. Hart, J.L., **Bott-Knutson, R.C.**, Appel, H., Kotinek, J., Knox, P., & Ziegler, W. (2023). Pedagogy of Engagement, Innovation, and Reflection: Hackathons in Honors Education. *Honors in Practice*. 19, 125-28.
- 4. Kotinek, J., **Bott-Knutson, R.C.**, Fine, L.E., Hart, J.L., Ziegler, W., Knox, P., Nichols, T., Sumner, S., Appel, H., Andersen, M.C., Bryk, M., Radasanu, A., Cassady, J., & Garbutt, K. (2023). The Justice Challenge: Honors Endeavors Innovative Pedagogies through Grand Challenges Scholars Program. *Honors in Practice*. 19, 121-24.
- 5. Radasanu, R., **Bott-Knutson, R.C.**, Fine, L.E., Kotinek, J., Hart, J.L., Nichols, T., Appel, T., Roberts, D.M., Knox, P., & Ziegler, W. A. (2023). Relational Model for Honors Education: From Contagion to Permeability. *Journal of the National Collegiate Honors Council*. 24,47-62.
- 6. Ziegler, W., Appel, H., **Bott-Knutson, R.C.**, Radasanu, A., Hart, J.L., Knox, P., Keen, R., Kotinek, J., Andersen, M. (2023). Honors Education: A Natural Laboratory for Interdisciplinary Exploration of the Arts, Humanities, Social Sciences, and Education. *Proceedings of the Hawaii University International Conferences on Arts, Humanities, Social Sciences and Education (AHSE)*.
- 7. Miller, T., & **Bott-Knutson, R.C.** (2022). Resistible: How the South Dakota State University Common Read encouraged more conscientious use of technology. *Journal of Campus Activities, Practice, & Scholarship*. 4(2), 36-50.
- 8. *Hansen, A., Nold, R.A., *Kutzke, K., **Bott-Knutson, R.C.**, Djira, G. (2021). Early exposure to an honors course yields retention of agricultural majors in honors. *NACTA Journal*. 65, 460-464.
- 9. Kadlecek, C., **Bott-Knutson, R.C.**, Holmquist, H. (2021). Checking-in to Create Instructor-Student Immediacy in Honors. *Honors in Practice*. 17,248-51.
- 10. *Klima, C., **Bott-Knutson, R.C.**, & Brown, R. (2021). Honors and Nursing: Reasons for Enrollment, Persistence, and Withdrawal. *Journal of Nursing Education*. 60(6),333-336.
- 11. **Bott-Knutson, R.C.**, *Duque, C., Mook, N., & *Grassel, M. (2020). First year fellowship: fostering an inclusive community through honors. *Journal of College Student Development*. 6(1).

- 12. **Bott-Knutson, R.C.**, Holmquist, H., & Mahlum, K. (2020). (Fund)RAISING HONORS: blending conventional and technological approaches to development. *Journal of the European Honors Council*. 4(1).
- 13. Celik Wiltse, E., Gonda, M., *Massmann, C., Williams, K., & **Bott-Knutson, R.C.** (2020). Assessment of the impact of COVID-19 on honors student learning, institutional connections, and intent to return to campus. *Journal of the European Honors Council*. 4(1).
- 14. *Kutzke, K.L., Nold, R.A., Gonda, M.G., *Hansen, A.M., & **Bott-Knutson, R.C.** (2020). Student perception and affinity: Establishment of an institutional framework for the examination of underrepresented programs such as agriculture in honors. *Journal of the National Collegiate Honors*. 21, 95-116.
- 15. **Bott-Knutson, R.C.**, Clay, S., Gonda, M., Walker, J., & Thaler, R. (2019). Assessing learning outcomes of a two-week agricultural study abroad experience to China. *NACTA Journal*. 63(1a), 44-51.
- 16. **Bott-Knutson, R.C.**, *Larson, B., *Van Heek, N., Nichols, T., & Stluka, S. (2019). Community partnerships help undergraduate students to meet the 'grand challenges' of today. *Collaborations Journal*. 2(1), 1-7.
- 17. *Grassel, M., Holmquist, H., & **Bott-Knutson, R.C.** (2019). The role of honors teaching assistants as community builders. *Journal of the European Honors Council*. 3(2).
- 18. Nichols, T., *Larson, B., Stluka, S., *Van Heek, N., & **Bott-Knutson, R.C.** (2019). Honors collaborates to meet the Grand Challenges. *NACTA Journal*. 63, 282-287.
- 19. *Arens, N.R., Holmquist, H., **Bott-Knutson, R.C**. (2018). Student Preferences for Faculty-Led Honors Study Abroad Experiences. *Honors in Practice*. 14, 27-42.
- 20. Carroll, H.K., **Bott-Knutson, R.C.**, & Mastellar, S. (2018). Equine caregiver information-seeking preferences: Surveys in the Midwest. *J Equine Vet Sci.* 64, 65-68.
- 21. Isaacson, M., **Bott-Knutson, R.C.**, Fishback, M.B., *Varnum, A.T., & Brandenburger, S. (2018). Native elder and youth perspectives on mental well-being, the value of the horse, and navigating two worlds. Online *Journal of Nursing and Rural Health Care*. 18(2).
- 22. *Kotschevar, C.M., Ngorsuraches, S., **Bott-Knutson, R.C.** (2018). The Value of Honors: A Study of Alumni Perspectives on Honors Education. *Journal of the National Collegiate Honors Council.* 19(2), 137-155.
- 23. *McNeill, L.R., **Bott, R.C.**, Mastellar, S.L., Djira, G.D., & Carroll, H.K. (2018). Perceptions of equid well-being in South Dakota. *Journal of Applied Animal Welfare Science*. 21(1), 40-68. Epub 2017.
- 24. *Nelson, C.B., Eastman, A., Mook, N., & **Bott-Knutson, R.C.** (2018). Sunka Wakan: The horse as a partner in welcoming American Indian students to the campus community. *Journal of College Student Development*. 59(6), 749-752.
- 25. *Parker, A., Mastellar, S.L., **Bott-Knutson, R.C.**, Daly, R.F., & Carroll, H.K. (2018). Upper Midwest veterinarian perceptions and confidence levels regarding equine nutrition topics. *J Equine Vet Sci.* 69, 108-114.
- 26. *Rosenthal, E.J., **Bott-Knutson, R.C.**, Carroll, H.K., & Mastellar, S.L. (2018). Assessment of Equine Feeding Practices and Knowledge of Equine Nutrition in the Midwest. *J Equine Vet Sci.* 1, 40-68.
- Splan, R., Spindler, M., Anderson, K., Skelly, C., Westendorf, M., Williams, C., Kenny, L., & Bott-Knutson, R.C. (2018). Opportunities for equine student development through the transdisciplinary and global challenges of climate change. *NACTA Journal*. 62(1), 28-34.

- 28. Mastellar, S.L. & **Bott, R.C.** (2017). Scientific literacy of equine students regarding the use of antibiotics and vaccines. *NACTA Journal*. 61(4), 299-303.
- 29. **Bott, R.C.**, Greene, E.A., Trottier, N.L., Williams, C.A., Westendorf, M.L., Swinker, A.M., Mastellar, S.L., & Martinson, K.L. (2016). Environmental implications of nitrogen output on horse operations. A review. *J Equine Vet Sci.* 45, 98-106.
- 30. *Gilbert, N., Burns, J., Djira, G.D., *Koch, K., & **Bott, R.C.** (2016). Evaluation of online case studies in an equine nutrition course on student performance, procrastination, and satisfaction. *NACTA Journal*. 60(2), 242-248.
- 31. Trottier, N.L., **Bott, R.C.**, Woodward, A., Greene, E.A., Williams, C.A., Westendorf, M.L., Swinker, A.M., Mastellar, S.L., & Martinson, K. (2016). Gastrointestinal nitrogen metabolism of equids and impact on protein requirement. *J Equine Vet Sci.* 45, 78-86.
- 32. **Bott, R.C.**, *Schurring, A.A., Denniston, D.J. (2015). Posting horse show patterns before youth shows creates positive experience for youth and adults. *NACTA Journal*. 59(2),130-3.
- 33. *Koch, K.M., Thaler, R.C., Baidoo, S.K., Levesque, C.L., & **Bott, R.C.** (2015). Characterization of energy and performance of swine fed a novel corn-soybean extruded product. *J. Animal Science and Biotechnology*. 6, 17.
- 34. Romero, J.J., Antoniazzi, A.Q., Nett, T.M., Ashley, R.L., Webb, B.T., Smirnova, N.P., **Bott, R.C.**, Bruemmer, J.E., Bazer, F.W., Anthony, R.V., & Hansen, T.R. (2015). Temporal release, paracrine and endocrine actions of ovine conceptus-derived interferon-tau during early pregnancy. *Biol Reprod.* 93(6), 1-10.
- 35. **Bott, R.C.**, Cortus, E.L. (2014). Students Develop Compost Management Skills through Experiential Learning. *NACTA Journal*. 311-316.
- 36. Antoniazzi, A.Q., Webb, B.T., Romero, J.J., Ashley, R.L., Smirnova, N.P., Henkes, L.E., **Bott. R.C.**, Oliveira, J.F., Niswender, G.W., Bazer, F.W., & Hansen, T.R. (2013). Endocrine Delivery of Interferon tau Protects the Corpus Luteum from Prostaglandin F2 alpha-Induced Luteolysis in Ewes. *Biol Reprod.* 88(6),1-12.
- 37. **Bott, R.C.**, Greene, E., *Koch, K., Martinson, K., Siciliano, P., Williams, C., Burk, A., Trottier, N., & Swinker, A. (2013). Environmental Impacts of Grazing Horses. A Review. *J Equine Vet Sci.* 33(12), 697-704.
- 38. *Gebhart, A.T., & **Bott, R.C.** (2013). The 2011 South Dakota Equitarian Survey and Reservation Equine Comparative Analysis. *J Equine Vet Sci.* 33(9), 697-704.
- 39. Greene, E.A., **Bott, R.C.**, Giguere, C., Martinson, K.L., & Swinker, A. (2013). Vermont Horses vs. Twisted Tomatoes: A Case Study. *Journal of the NACAA*. 6(1).
- 40. Hubert, M.B., **Bott, R.C.**, Gates, R.N., & Nester, P.N. (2013). Development and Branding of Educational Programs to Meet the Needs of Small Acreage Owners in South Dakota. *Journal of the NACAA*. 6(1).
- 41. Fields, S.D., Gebhart, K.L., Perry, B.L., Gonda, M.G., Wright, C.L., **Bott, R.C.**, Perry, G.A. (2012). Influence of standing estrus before an injection of GnRH during a beef cattle fixed-time AI protocol on LH release, subsequent concentrations of progesterone, and steroidogenic enzyme expression. *Domestic Animal Endocrinology*, 42(1), 11-19.
- 42. Westendorf, M.L., Williams, C., Burk, A.O., Trottier, N., Martinson, K., Siciliano, P.D., Swinker, A.M., Greene, E.A., **Bott, R.C.** (2012). Environmental Impacts of Equine Operations: A U.S. Department of Agriculture Multistate Project. Short Communication. *J Equine Vet Sci.* 32(6), 324-326.

- 43. Baltes-Breitwisch, M.M., Artac, R.A., **Bott, R.C.**, McFee, R.M., Kerl, J.G, Clopton, D.T., & Cupp A.S. (2010). Neutralization of vascular endothelial growth factor antiangiogenic isoforms or administration of proangiogenic isoforms stimulates vascular development in the rat testis. *Reproduction*. 140(2), 319-329.
- 44. **Bott, R.C.**, Ashley, R.L., Henkes, L.E., Antoniazzi, A., Bruemmer, J.E., Niswender, G.D., Bazer, F.W., Spencer, T.E., Smirnova, N.P., Anthony, R.V., & Hansen, T.R. (2010). Uterine vein infusion of IFN-tau targets luteal tissue, prevents anti-steroidogenic actions of PGF and extends inter-estrus interval in ewes. *Biol. Reprod.* 82(4), 725-735. Epub 2009.
- 45. **Bott, R.C.**, *Schwartzenberger, S.M., Bruemmer, J.E., Arreguin-Arevalo, J.A., & Niswender, G.D. (2010). Recombinant equine luteinizing hormone (reLH) stimulates progesterone production in murine Leydig, equine granulosal, and ovine small luteal cells. *J Equine Vet Sci.* 31(3), 103-108.
- 46. **Bott, R.C.**, Clopton, D.T., Fuller, A.M., McFee, R.M., Lu, N., McFee, R.M., & Cupp, A.S. (2010). KDR-LacZ-expressing cells are involved in ovarian and testis-specific vascular development, suggesting a role for VEGFA in the regulation of this vasculature. Cell Tissue Research. 342(2),117-130.
- 47. Davis, T.L., **Bott, R.C.**, Slough, T.L., Bruemmer, J.E., & Niswender, G.D. (2010). Progesterone inhibits oxytocin- and prostaglandin F2alpha-stimulated increases in intracellular calcium concentrations in small and large ovine luteal cells. *Biol Reprod.* 82(2), 282-288. Epub 2009.
- 48. Hansen, T.R., Henkes, L.K., Ashley, R.L., **Bott, R.C.**, Antoniazzi, A.Q., & Han H. (2010). Endocrine actions of Interferon-tau in ruminants. *Soc Reprod Fertil Suppl.* 67, 325-340.
- 49. **Bott, R.C.**, Clopton, D.T., & Cupp, A.S. (2008). A Proposed Role for VEGF Isoforms in Sex-Specific Vasculature Development in the Gonad. *Reproduction in Domestic Animals*. 43(2), 310-316.
- 50. Niswender, G.D., Davis, T.L., Griffith, R.J., Bogan, R.L., Monser, K., **Bott, R.C.**, Bruemmer, J.E., Nett, T.M. (2007). Judge, jury and executioner: the auto-regulation of luteal function. *Soc Reprod Fertil Suppl.* 64, 191-206.
- 51. **Bott, R.C.**, McFee, R.M., Clopton, D.T., Toombs, C., Cupp, A.S. (2006). Vascular endothelial growth factor and kinase domain region receptor are involved in both seminiferous cord formation and vascular development during testis morphogenesis in the rat. *Biol Reprod.* 75(1), 56-67.
- 52. Perry, G.A., Welshons, W.V., **Bott, R.C.**, Smith, M.F. (2005). Basis of Melengesterol Acetate Action as a Progestin in Cattle. *Domestic Animal Endocrinology*. 28(2), 147-161.

Abstracts & Conference Presentations (Student authors are indicated with #)

- Bott-Knutson, R., Hart, J. L., Garbutt, K., Radasanu, A., Nichols, T. J., Appel, H., Cooke, K., & Anderson, M. (2024). Elevating Honors Education Through Systems Thinking: Applications in Community Engagement, Self-studies, and Strategic Thinking. To be presented at the annual meeting of the National Collegiate Honors Council, Kansas City, Missouri.
- 2. **Bott-Knutson, R.**, *Roerig, N., *Spreng, J., *Rosenau, K., & *Khuu, N. (2024). Honors Education Redefined: The Justice Challenge Experience. Presented at the Upper Midwest Regional Honors Conference, Dubuque, IA.
- 3. Nichols, T. J., **Bott-Knutson, R.**, Hart, J. L., & Kotinek, J. A National Honors Endeavor to Address Food Justice. (2024, October 30-November 3). To be presented at the annual meeting of the National Collegiate Honors Council, Kansas City, Missouri.

- 4. Radasanu, A., Appel, H., **Bott-Knutson, R**., Hart, J. L., & Nichols, T. (2024, May). Making Honors More Permeable: From Contagion to Permeability. Presented at the Biennial Honors Education at Research Universities Conference, Lexington, Kentucky.
- 5. **Bott-Knutson, R.**, Nichols, T., Hickman, K., Appel, H., Hart, J., Kotinek, J., Ziegler, W., Garbutt, K., Radasanu, A., Knox, P., & Roberts, D. (2023). Leveraging Honors Education in Food, Climate, and Sustainable Agriculture via The Justice Challenge. Presented at the North American Colleges and Teachers of Agriculture Annual Conference, Las Cruces, NM.
- Hart, J., Bott-Knutson, R.C., Radasanu, A., *Roerig. N., & Ziegler, W. (2023). Just food: Honors hackathons
 to develop transdisciplinary team-oriented skills toward equity. Presented at the 2023 annual meeting of
 the National Collegiate honors Council, Chicago, Illinois.
- 7. Nichols, T., **Bott-Knutson, R. C.**, Radasanu, A., Kotinek, J., & Roberts, D. (2023). Engage Breakfast: The Justice Challenge. Presented at the 58th National Collegiate Honors Council Annual Conference, Chicago, II.
- 8. Ziegler, W, Appel, H, **Bott-Knutson, RC**, Radasanu, A, Hart, JL, Knox, P, Keen, R, Kotinek, J, Andersen, M. (2023). "Honors education: A Natural Laboratory for Interdisciplinary Exploration of the Arts, Humanities, Social Sciences, and Education." Presented at the International Conference on Arts, Humanities, Social Sciences, and Education, Honolulu, Hawaii.
- 9. Appel, H., **Bott-Knutson, R.C.**, Hart, J., Keen, R., Kotinek, J., Nichols, T., Radasanu, A., Roberts, D., & Ziegler W. (2022). Honoring our communities: Lessons on engaging diverse Honors cohorts. Presented at the 2022 annual meeting of the National Collegiate Honors Council, Dallas, Texas.
- 10. **Bott-Knutson, R.C.**, Appel, A., Kotinek, J., & Ziegler, W. (2022). Amin Gutierrez de Pineres S. Beans to Beanstalks: Counting to Cultivating. Presented at the 2022 Council of Honors Education annual meeting, Denver, CO.
- 11. **Bott-Knutson, R.C.**, Breuninger, S., Law, L., Savoie, M., Youmans, K., Chamberlain, J., Martin, J., & Amar, F. (2022). Community of Practice in Honors Education. Presented at the 2022 annual meeting of the National Collegiate Honors Council, Dallas, Texas.
- 12. **Bott-Knutson, R.C.**, Appel, H., Hart, J., Kotinek, J., Ziegler, W., Garbutt, K., Radasanu, A., Knox, P., Roberts, D., Keen, R., Anderson, M., Cooke, K., Kapur, J., & Nichols, T.J. (2022) The Justice Challenge: An honorable model. Presented at the 2022 Honors Education at Research Universities (HERU) conference, Houston, Texas, USA.
- 13. **Bott-Knutson, R.C.,** *Padden, E., & *Connor, B. (2022). Sharing the load: Creating a system of shared governance in honors. Presented at the 2022 Upper Midwest Regional Honors Conference.
- 14. Bylander, N., & **Bott-Knutson, R.C**. (2022). What's next? Preparing students for life after college. Presented at the 2022 Upper Midwest Regional Honors Conference.
- 15. Doolen, T., Wilson, C., Espinosa, J.C., & **Bott-Knutson R.C**. (2022). Panel: Community, corporate, and alumni engagement: Creating and developing strategic alliances. Presented at the 2022 Honors Education at Research Universities (HERU) conference, Houston, Texas, USA.
- 16. Mather, P., Earle, P., Brown, G.L., & **Bott-Knutson, R.C**. (2022). Panel: Effectively using your honors advisory board. Presented at the 2022 Honors Education at Research Universities (HERU) conference, Houston, Texas, USA.
- 17. Miller, T., & **Bott-Knutson, R.C**. (2022). Evaluating a program to change participants' relationship with addictive technology. Presented at the 2022 Midwestern Psychological Association annual conference.
- 18. Appel H., **Bott-Knutson, R.C.**, Garbutt, K., Nichols, T., Kotinek, J., Knox, P., Roberts, D., Ziegler, W., Andersen, M., Cooke, K., Hart, J., Kapur, J., Keen, R., Fine, L., Kadlecek, C., Radasanu, A. (2021). "The Rise of a Nationwide Collaborative of Honors colleges and Programs from Public Institutions." Presented at the annual meeting of the National Collegiate Honors Council, Orlando, Florida.
- 19. **Bott-Knutson, R.C.**, Appel, H., Anderson, M., Cooke, K., Fine, L., Garbutt, K., Hart, J., Kadlecek, C., Kapur, J., Keen, R., Knox, P., Kotinek, J., Nichols, T., Radasanu, A., Roberts, D., & Ziegler, B. (2021).

- The Justice Challenge: Engaging Students in the Future of Food, Climate and Energy. Presented at the 2021 NSF Convergent Food Systems conference.
- 20. Jones, B., O'Leary, S., Amar, F., **Bott-Knutson, R.C.**, & Breuninger, S. (2021, Oct. 21). So, You Want to Be a Mentor? Presented at the 2021 NCHC conference, Lake Buena Vista, FL, USA.
- 21. Kotinek, J., Appel, H., Ziegler, W., Roberts, D., Nichols, T., & **Bott-Knutson, R.C**. (2021). The Rise of a Nationwide Collaborative of Honors Colleges and Programs from Public Institutions. Presented at the 2021 NCHC conference.
- 22. Nichols, T., Parolin, P., Skinner, D., & **Bott-Knutson, R.C**. Reimagining Honors Leadership: A Dialog with Deans about the Future of Honors. Presented at the 2021 NCHC conference.
- 23. Nold, R., *Kutzke, K., Gonda, M.G., *Hansen, A.M., & **Bott-Knutson RC**. (2021). Agriculture in Honors: Examination of Student Perception and Affinity of an Underrepresented Program. Presented at the 2021 NACTA conference.
- 24. Nold, R., *Hansen, A., *Kutzke, K., & **Bott-Knutson, R.C**. (2021). Early Exposure to an Honors Course Yields Retention of Agricultural Majors in Honors. Presented at the 2021 NACTA conference.
- 25. **Bott-Knutson, R.C.**, Nichols, T., & Holmquist, H. (2020). Developing Personal Philosophies through Honors. Presented at the 2020 NCHC virtual conference.
- 26. *Husted, A., Holmquist, H., Kadlecek, C., & **Bott-Knutson, R.C**. (2020). HOP back into Honors: Rekindling connections with Honors Upperclassmen. Presented at the 2020 NCHC virtual conference.
- 27. **Bott-Knutson, R.C.**, Holmquist, H., & Mahlum, K. (2019). Fund Raising Honors. Presented at the 2019 Honors Education at Research Universities international conference.
- 28. **Bott-Knutson, R.C.**, Holmquist, H., Lantzer, J., Youmans, K., & Walters, G. (2019). Strategies for Student Services: Addressing the Creativity Crisis in Honors Advising. Presented at the 2019 NCHC conference.
- 29. **Bott-Knutson, R.C.**, Holmquist, H., *Dulas, M., *Swanson, N., & *Konynenbelt, K. (2019). Making Meaning in the Honors Experience. Presented at the 2019 NCHC conference.
- 30. *Arens, N. & **Bott-Knutson, R.C**. (2017). Enhancing the Honors Study Abroad Experience. Idea Exchange. Upper Midwest Regional Honors Conference.
- 31. **Bott-Knutson, R.C.** & *Sleep, C. (2017). Innovating Inclusive Communities through Honors. Proposal accepted for presentation at the 2017 National Collegiate Honors Conference.
- 32. **Bott-Knutson, R.C.** & Kleinjan, B. (2017). Assessment in Honors: Delivering on a Promise of High Standards. Proposal accepted for presentation at the 2017 National Collegiate Honors Conference.
- 33. **Bott-Knutson, R.C.**, Cortus, E.L., & Trooien, T.P. (2017). Multi-disciplinary Approach to Project Development and Design. Abstract selected for presentation at the 2017 North American Colleges and Teachers of Agriculture conference.
- 34. **Bott-Knutson, R.C.**, *Sleep, C., *O'Bryan, M., & Mook, N. (2017). First Year Fellowship: Fostering an Inclusive Community with Honors, American Indian, and International Students. Upper Midwest Regional Honors Conference.
- 35. Harming, S., *Arens, N., *Carmany, E., *Husic, B., *Lain, M., *Mubashir, H., & **Bott-Knutson, R.C**. (2017). The Pluralistic Nature of Privilege: Honors Intergroup Dialog on Diversity. Upper Midwest Regional Honors Conference.
- 36. Harming, S., & **Bott-Knutson, R.C**. (2017). Intergroup Dialog Program: A Vehicle for Educating Students about Diversity Issues. Presented at the 2017 South Dakota Higher Education Association conference.
- 37. Isaacson, M., **Bott-Knutson, R.C.**, Fishback, M.B., *Varnum, A., & Brandenburger, S. (2017). Native Elder and Youth Perspectives on Horses, Mental Well-Being, and Navigating Two Worlds. Presented at the 2017 Collaborative Research Center for American Indian Health conference.
- 38. Kleinjan, B., *Farber, A., *Meyer, A., *Muller, A., Kleinjan, V., **Bott-Knutson, B.C**. (2017). Honors & social media: Maintaining "Presence" in Our Personal and Academic Lives. Upper Midwest Regional Honors Conference.
- 39. *Lorang, N., *Arens, N., & **Bott-Knutson, R.C**. (2017). My Place in This World: Making Meaning in Honors for Upperclassmen and Graduating Seniors. Upper Midwest Regional Honors Conference.

- 40. *Rosenthal, E.J., **Bott-Knutson, R.C.**, Carroll, H.K., & Mastellar, S.L. (2017). Equine feeding practices and nutrition knowledge in the upper Midwest. Abstract presented at the 2017 Equine Science Symposium.
- 41. Stluka, S., *Landmark, R.K., Nichols, T.J., & **Bott-Knutson, R.C.** (2017). Meet the Grand Challenges: Undergraduates Embrace Land Grant Mission. Abstract selected for presentation at the 2017 North American Colleges and Teachers of Agriculture conference.
- 42. *Kendall, O., Young, A., Lamprecht, E.D., Leatherwood, J.L., & **Bott, R.C**. (2016). The effect of diet on serum antibody response to vaccine in horses. Submitted to the Midwest section of Animal Science.
- 43. Greene, E.A., **Bott, R.C.**, Giguere, C., Martinson, K.L., & Swinker, A.M. (2015). Case study of contaminated compost: collaborations between Vermont extension and the agency of agriculture to mitigate damage due to persistent herbicide residues. Presented at the 2015 Waste to Worth Conference.
- 44. Mastellar, S.L., Carroll, H.K., & **Bott, R.C**. (2015). Use of protracted "think-pair-share" activity on American Horse Council Welfare Code of Practice. Presented at the 2015 Equine Science Symposium.
- 45. Splan, R., Spindler, M., & **Bott, R**. (2015). Student perceptions of STEM instruction. Presented at the 2015 Conference on Higher Education Pedagogy.
- 46. Swinker, A.M., Greene, E.A., Burk, A., **Bott, R.C.**, McIntosh, B., Westendorf, M., & Williams, C. (2015). Existing equine pasture best management survey findings from NE 1441 state. Presented at the 2015 Waste to Worth Conference.
- 47. Swinker, A., Burk, A., Bott, R., Williams, C., & Greene, E. (2015). An NE1441 project: proposed methodologies for administering a multi-state environmental best management practices survey of equine properties. Presented at the 2015 Waste to Worth Conference.
- 48. **Bott, R.C.,** McLean, A., & Heleski, C. (2014). Community-based participatory research interfaced with equine welfare assessment to learn about working equids and their owners in Vera Cruz, Mexico. Working Equid Colloquium, London, England. * Invited to give 1:1 presentation to Her Royal Highness.
- 49. **Bott, R.C.**, Spindler, M., & Splan, R. (2014). Climate change and the horse industry: Student interest in a sophomore-level hybrid learning program offered at the national level. NAEAA.
- 50. Carroll, H.K., **Bott, R.C.**, Mastellar, S.L., *McNeill, L.R., & Djira, G.D. Perceptions of equine wellbeing in South Dakota. Submitted to the Midwest section of Animal Science.
- 51. Camargo, F.C., Lawyer, A., Willis, C. & **Bott, R.C**. (2014). Comparative Analysis of State 4-H Horse Programs. Midwest Animal Science Meetings.
- 52. Spindler, M., **Bott, R.C.**, Skelly, C., Anderson, K., & Splan, R. (2014). Instruction for change: creativity, data and whole systems. NACTA Conference.
- 53. **Bott, R.C., &** Cortus, E.L. Developing compost management skills through experiential learning. (2013). J. Equine Veterinary Science. 5(33), (PP.388-89).
- 54. **Bott, R.C.,** *Schuring, A.A., & Denniston, D. (2013). Posting horse show patterns before youth show creates positive experience for youth and adults. J. Equine Veterinary Science. 5(33), (PP. 380).
- 55. *Carpenter, T.K., *Whitlock, R.A., Young, A.J., **Bott, R.C.** (2013). The effect of dietary yeast supplementation on fecal egg counts in horses. J. Equine Veterinary Science. 5(33), (PP. 397-98).
- 56. Greene, E.A., **Bott, R.C.**, Giguere, C., Martinson, K.L., & Swinker, A.M. (2013). Anatomy of a Contaminated Compost Case Study and a Land Grant University Still Functioning as Intended. Abstract submitted for presentation at the 2013 Hawaii International Conference on Education Meetings.
- 57. *Whitlock, R.A., Young, A.J., *Carpenter, T.K., Petersen, A., Griffin, J., Djira, G.D., & **Bott, R.C**. (2013). Development and Dietary Regulation of the Immune System in Horses. J. Equine Veterinary Science. 5 (33), (Pages 331).
- 58. **Bott, R.C.**, *Delvaux, C., & *Koch, K. (2012). The use of technology to enhance active learning in undergraduate equine nutrition course. Abstract presented at the Midwest Animal Science Meetings.
- 59. Hansen, T.R., Antoniazzi, A., Romero, J.J., Ashley, R.L., & **Bott, R.C**. (2012). Interactions of the embryo, uterus, and corpus luteum for sustenance of embryos. Abstract Invited for presentation at the National ASAS Meetings.

- 60. *Koch, K., **Bott, R.C.,** Thaler, R., & Hostetler, C. (2012). Digestible and metabolizable energy of a cornsoybean co-extruded feedstuff for swine. Abstract presented at the Midwest Animal Science Meetings.
- 61. *Koch, K., Kalscher, K., & **Bott, R.C.** (2012). Thaler R. Effects of dietary fat and protein quantity from different feedstuffs on litter gain. Abstract presented at the National ASAS Meetings.
- 62. *Gebhart, A.G., *Koch, K., & **Bott, R.C.** (2012). The 2011 South Dakota Equitarian Survey and Reservation Equine Comparative Analysis. Abstract presented at the Midwest Animal Science Meetings.
- 63. *Whitlock, R.A., Young, A., *Carpenter, T., Petersen, A., & **Bott, R.C**. (2012). Characterization of B-cell phenotype in horses. Abstract presented at the Autumn Immunology Conference.
- 64. **Bott, R.C.**, Hubert, M., Nester, P.L., Renelt, T., Salverson, R., & Gates, R.N. (2011). Healthy Lands, Healthy Horses: Connecting South Dakota Horse Owners with Skills for Small Acreage Success. Abstract presented at the Equine Science Symposium.
- 65. **Bott, R.C**. (2010). Equine Issues and Leadership: Preparing Emerging Leaders to be Advocates for the Equine Industry. Abstract presented at the Midwest Animal Science Meetings.
- 66. Gebhart, K.L., Perry, B.L., Gonda, M.G., Wright, C.L., **Bott, R.C.**, & Perry, G.A. (2010). Effect of standing estrus prior to an injection of GnRH on steriodogenic enzyme expression in luteal tissue. Abstract presented at the Midwest Animal Science Meetings.
- 67. Perry, G.A., Gebhart, K.L., Perry, B.L., Gonda, M.G., Wright, C.L., & **Bott, R.C**. (2010). Effect of ovulatory follicle size on luteal weight and steroidogenic enzyme expression. Abstract presented at the Ruminant Reproduction Meetings.
- 68. Antoniazzi, A.Q., Lenkes, L.E., **Bott, R.C.**, Ashley, R., Bruemmer, J., Niswender, G.D., Moss, G., Alexander, B., Oliviera, J.F.C., Spencer, T.E., Bazer, F.W., & Hansen, T,R. (2009). Endocrine action of interferon tau on the corpus luteum in sheep: Implication for antiluteolytic and luteotrophic mechanisms. Biol. Reprod. Special Issue. Abstract presented at the 2009 SSR meeting.
- 69. **Bott, R.C**. (2009) Trainee Forum. Beyond the Bench: Exploring Career Opportunities and Striving for Success. Biol Reprod. 81(1), 165.
- 70. **Bott, R.C.**, Ashley, R.L., Henkes, L.E., Antoniazzi, A.Q., Bruemmer, J.E., Niswender, G.D., Spencer, T.E., Bazer, F.W., Anthony, R.V. & Hansen, T.R. (2009). Uterine vein infusion of interferon tau (IFNT) stimulates luteal gene expression, prevents anti-steroidogenic actions of prostaglandin $F_{2\alpha}$ (PGF) and extends luteal lifespan in ewes. Abstract presented at the Society for the Study of Reproduction meeting.
- 71. **Bott, R.C.**, *Shwartzenberger, S.M., Arreguin,-Arevalo, J.A., Bruemmer, J.E., & Niswender, G.D. Recombinant Equine Luteinizing Hormone (reLH) Stimulates Production of Progesterone from Murine Leydig, Equine Granulosal, and Ovine Small Luteal Cells. J. Equine Veterinary Science. 5(29), (PP. 343-44).
- 72. Nester, P.L., Salverson, R., Harty, A., Hubert, M., Dager, J., Olson, K.C., Gates, R.N., **Bott, R.C**. (2009). Healthy Lands, Healthy Horses: Program Development for Small Acreage Owners in South Dakota. Abstract presented at the 5th National Small Farms Conference in 2009.
- 73. Clopton, D.T., **Bott, R.C.**, Lu, N., Slattery, R., & Cupp, A.S. (2009). Human Chorionic Gonadotropin (hCG) Alters Testosterone Secretion to Down-Regulate Relative Expression of Vascular Endothelial Growth Factor Isoform 188 (VEGFA188) and Kinase Domain Region Receptor (KDR) in the Testes of Adult Mice. Biol. Reprod.
- 74. **Bott, R.C.,** Ashley, R.L., Henkes, L.E., Bruemmer, J.E., Niswender, G.D., Spencer, T.E., Bazer, F.W., Anthony, R.V. & Hansen, T.R. (2008). Uterine vein infusions of interferon-tau act directly on the corpus luteum through inducing ISG15 expression. Abstract presented at the Society for the Study of Reproduction Summer Meeting.
- 75. **Bott, R.C.**, Schwartzenberger, S.M., Mayan, H., Bruemmer, J.E., & Niswender, G.D. (2007). The effect of recombinant equine luteinizing hormone (ReLH) on murine Leydig, equine granulosa and ovine small luteal cell progesterone production. Abstract presented at the CSU Biomedical Sciences Retreat.

- 76. Davis, T.L., **Bott, R.C.**, Bruemmer, J.E., & Niswender, G.D. (2007). Progesterone alters membrane cholesterol content and oxytocin signaling in ovine small luteal cells. Abstract presented at the Society for the Study of Reproduction.
- 77. Baltes, M., **Bott, R.C.**, & Cupp, A.S. (2005). Development of a sex determination laboratory for undergraduate students in reproductive physiology. Abstract presented at the Society for the Study of Reproduction.
- 78. **Bott, R.C.**, Clopton, D.T. & Cupp, A.S. (2005, March). Inhibition of VEGF Signal Transduction by VEGFR-TKI is through perturbation of proliferation and cell survival pathways and not due to suppression of endothelial cell migration. Abstract presented at Testis Workshop.
- 79. **Bott, R.C.**, McFee, R.M., Baltes, M., Clopton, D.T., & Cupp, A.S. (2005). Phosphtidylinositol 3-kinase (PI3 Kinase) is a potential signal transduction pathway for vascular endothelial growth factor (VEGF) regulation of embryonic testis morphogenesis. Abstract presented at the Society for the Study of Reproduction.
- 80. **Bott, R.C.**, Clopton, D.T., McFee, R.M., & Cupp, A.S. (2004, March). Induction of endothelial cell migration: A proposed mechanism for vascular endothelial growth factor's (VEGF) action on neovascularization and seminiferous Cord formation during testis morphogenesis. Abstract presented at Midwest Animal Science Meetings. (Also recruited for presentation at the Nebraska Physiological meeting, 2004).
- 81. **Bott, R.C.**, Clopton, D.T., McFee, R.M., & Cupp, A.S. (2004, August). The sex specific expression pattern of Vascular Endothelial Growth Factor Receptor-2 (VEGFR-2) indicates a potential role for vascular formation in the development of morphogenic structures in both the ovary and testis of VEGF-2/lacZ mice. Abstract presented at Study for the Society of Reproduction Meetings. (Abstract also selected for presentation at Greenwald Symposium, 2004)
- 82. Clopton, D.T., **Bott, R.C.**, McFee, R.M., & Cupp, A.S. (2004, August). Cellular expression of Vascular Endothelial Growth Factor Receptor-2 (VEGFR-2) indicates potential non-angiogenic roles for VEGFR-2 in spermatogenesis and ovulation in VEGFR-2 lacZ mice. Abstract presented at Study for the Society of Reproduction Meetings.
- 83. **Bott-Knutson, R.C.** & *Sleep, C. (2017). Innovating Inclusive Communities through Honors. Proposal accepted for presentation at the 2017 National Collegiate Honors Conference.
- 84. **Bott-Knutson, R.C.** & Kleinjan, B. (2017). Assessment in Honors: Delivering on a Promise of High Standards. Proposal accepted for presentation at the 2017 National Collegiate Honors Conference.
- 85. Carroll, H.K., **Bott-Knutson, R.C.**, & Mastellar, S.L. (2017). Information seeking preferences of equine owners and managers in the upper Midwest. Abstract presented at the 2017 Equine Science Symposium.
- 86. **Bott-Knutson, R.C.**, Cortus, E.L., & Trooien, T.P. (2017). Multi-disciplinary Approach to Project Development and Design. Abstract selected for presentation at the 2017 North American Colleges and Teachers of Agriculture conference.
- 87. **Bott-Knutson, R.C.**, *Sleep, C., *O'Bryan, M., & Mook, N. (2017). First Year Fellowship: Fostering an Inclusive Community with Honors, American Indian, and International Students. Upper Midwest Regional Honors Conference.
- 88. **Bott, R.C.**, *Delvaux, C., & *Koch, K. (2012). The use of technology to enhance active learning in undergraduate equine nutrition course. Abstract presented at the Midwest Animal Science Meetings.
- 89. **Bott, R.C.**, Hubert, M., Nester, P.L., Renelt, T., Salverson, R., & Gates, R.N. (2011). Healthy Lands, Healthy Horses: Connecting South Dakota Horse Owners with Skills for Small Acreage Success. Abstract presented at the Equine Science Symposium.
- 90. **Bott, R.C**. (2010). Equine Issues and Leadership: Preparing Emerging Leaders to be Advocates for the Equine Industry. Abstract presented at the Midwest Animal Science Meetings.
- 91. **Bott, R.**C. (2009) Trainee Forum. Beyond the Bench: Exploring Career Opportunities and Striving for Success. Biol Reprod. 81(1), 165.

- 92. **Bott, R.C.**, Ashley, R.L., Henkes, L.E., Antoniazzi, A.Q., Bruemmer, J.E., Niswender, G.D., Spencer, T.E., Bazer, F.W., Anthony, R.V. & Hansen, T.R. (2009). Uterine vein infusion of interferon tau (IFNT) stimulates luteal gene expression, prevents anti-steroidogenic actions of prostaglandin $F_{2\alpha}$ (PGF) and extends luteal lifespan in ewes. Abstract presented at the Society for the Study of Reproduction meeting.
- 93. **Bott, R.C.,** Ashley, R.L., Henkes, L.E., Bruemmer, J.E., Niswender, G.D., Spencer, T.E., Bazer, F.W., Anthony, R.V. & Hansen, T.R. (2008). Uterine vein infusions of interferon-tau act directly on the corpus luteum through inducing ISG15 expression. Abstract presented at the Society for the Study of Reproduction Summer Meeting.
- 94. **Bott, R.C.**, Schwartzenberger, S.M., Mayan, H., Bruemmer, J.E., & Niswender, G.D. (2007). The effect of recombinant equine luteinizing hormone (ReLH) on murine Leydig, equine granulosa and ovine small luteal cell progesterone production. Abstract presented at the CSU Biomedical Sciences Departmental Retreat.
- 95. **Bott, R.C.**, Clopton, D.T. & Cupp, A.S. (2005, March). Inhibition of VEGF Signal Transduction by VEGFR-TKI is through perturbation of proliferation and cell survival pathways and not due to suppression of endothelial cell migration. Abstract presented at Testis Workshop.
- 96. **Bott, R.C.**, *Shwartzenberger, S.M., Arreguin-Arevalo, J.A., Bruemmer, J.E., & Niswender, G.D. Recombinant Equine Luteinizing Hormone (reLH) Stimulates Production of Progesterone from Murine Leydig, Equine Granulosal, and Ovine Small Luteal Cells. J. Equine Veterinary Science. 5(29), (PP. 343-44).
- 97. Baltes, M., **Bott, R.C**., & Cupp, A.S. (2005). Development of a sex determination laboratory for undergraduate students in reproductive physiology. Abstract presented at the Society for the Study of Reproduction.
- 98. **Bott, R.C.**, McFee, R.M., Baltes, M., Clopton, D.T., & Cupp, A.S. (2005). Phosphtidylinositol 3-kinase (PI3 Kinase) is a potential signal transduction pathway for vascular endothelial growth factor (VEGF) regulation of embryonic testis morphogenesis. Abstract presented at the Society for the Study of Reproduction.
- 99. Clopton, D.T., **Bott, R.C.**, Ten, Broeck, R., Tepfer, A., Baltes., M., Schultz, J., & Cupp, A.S. (2005). Administration of human chorionic gonadotropin (hCG) alters cellular expression of vascular endothelial growth factor receptor-2 (VEGFR-2 in the testes of VEGFR-2 LACZ mice. Abstract presented at the Society for the Study of Reproduction.
- 100. Ten Broeck, R., Clopton, D.T., **Bott, R.C.**, & Cupp, A.S. (2005, March). Potential Differences in Expression of Vascular Endothelial Growth Factor (VEGF) Isoforms- 120 and 164 after the LH surge in the preovulatory follicle of the cow. Abstract presented at Midwest Animal Science Meetings.
- 101. Tepfer, A., McFee, R.M., **Bott, R.C.**, Clopton, D.T., Schulz, J., & Cupp, A.S. (2005). Feeding melengesterol acetate (MGA) to bulls during the peri or pre-pubertal period induces differences in endocrine profiles, which may lead to alterations in testis size. Abstract presented at the Society for the Study of Reproduction.
- 102. **Bott, R.C.**, Clopton, D.T., McFee, R.M., & Cupp, A.S. (2004, March). Induction of endothelial cell migration: A proposed mechanism for vascular endothelial growth factor's (VEGF) action on neovascularization and seminiferous Cord formation during testis morphogenesis. Abstract presented at Midwest Animal Science Meetings. (Also recruited for presentation at the Nebraska Physiological meeting, 2004).
- 103. McFee, R.M., Pohlmann, R.M., Clopton, D.T., **Bott, R.C.**, Rozell, T.G., & Cupp, A.S. (2004, August). Inhibition of VEGF signal transduction arrests vascular development and blocks follicle progression to the pre-antral stage in perinatal rat ovaries. Abstract presented at Study for the Society of Reproduction Meetings.