

Caleb C Reichhardt
College of Tropical Agriculture and Human Resources
Department of Human Nutrition, Food, and Animal Sciences
FTE Distribution: 60%I; 40%R; 0%E

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
PhD	Utah State University	Animal Nutrition and Growth
BS	Montana State University	Animal Science

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Assistant Professor	University of Hawaii	2022 to Present
Graduate Research Assistant	Utah State University	2018 to 2022

Courses Taught

Course ID and name (credits)

ANSC 201	Principles and Practices of Animal Science (3)
ANSC 431	Beef Production (3)
ANSC 432	Swine Production (3)
ANSC 641	Graduate Student Seminar (1)
ANSC 682	Topics in Animal Science (3)
FSHN 681	Graduate Student Seminar (1)

Publications (reverse chronological order)

Conference Abstracts and Publications

(*Mentored students)

1. T.J. Blad*, A.S. Wanguba*, J.A. Rojas-Reyes*, A. Cariaga*, C.F. Rivera*, J.S. Odani, and **C.C. Reichhardt**. July 2024. [Poster Presentation]. "Effects of a Retinoid X Receptor agonist on primary ovine satellite cells." ASAS-CSAS-WASAS, Calgary, Canada.
2. J.A. Rojas-Reyes*, T.J. Blad*, A.S. Wanguba*, J.S. Bulosan*, J.S. Odani, and **C.C. Reichhardt**. July 2024. [Poster Presentation]. "The effects of vitamin E and/or C on parasite burden in hairs sheep." ASAS-CSAS-WASAS, Calgary, Canada.
3. L.L. Okamoto, M. Stegemiller, **C.C. Reichhardt**, A.F. Alberto, S.A. Bayles, B.W. Roholt, B.M. Murdoch, and K.J. Thornton. July 2024. [Presentation]. "Examining the effect of genetics between Bos taurus and Bos indicus influenced cattle on production performance, carcass characteristics, and feeding behavior." ASAS-CSAS-WASAS, Calgary, Canada.
4. A.F. Alberto, **C.C. Reichhardt**, B.L. Brown, L.A. Motsinger, K.A. Rood, B. Bowman, B.W. Roholt, M.D. Garcia, and K.J. Thornton. July 2023. [Poster Presentation]. "Effects of different trace mineral supplementation strategies on liver mineral status and gene expression of at-risk mineral deficient feedlot cattle." ASAS, Albuquerque, NM
5. L.L. Okamoto, M. Stegemiller, **C.C. Reichhardt**, L.A. Motsinger, A.F. Alberto, S.A. Bayles, B.W. Roholt, M.D. Garcia, B.M. Murdoch, and K.J. Thornton. July 2023. [Poster Presentation]. "Genetic differences related to beef production traits in bos Taurus and bos Indicus influenced cattle." ASAS, Albuquerque, NM.
6. **C.C. Reichhardt**, L.L. Okamoto, L.A. Motsinger, N.E. Ineck, K.J. Thornton. July 2022. [Presentation; Presenting Author]. "Estradiol improves proliferation and protein synthesis rates of primary bovine satellite cells by altering mRNA abundance related to amino acid and micronutrient metabolism." ASAS, Oklahoma City, OK.

7. L.L. Okamoto, **C. Reichhardt**, A.F. Alberto, L.A. Motsinger, S.A. Bayles, B.W. Roholt, M.D. Garcia, K.J. Thornton. July 2022. [Poster Presentation]. "Effect of beef breed type relative to feedlot performance, feeding behavior, and carcass characteristics." ASAS, Oklahoma City, OK.
8. K.A. Shira, B.M. Murdoch, K.J. Thornton, **C.C. Reichhardt**, G. Baker, G.E. Chibisa, G.K. Murdoch. July 2022. [Poster Presentation]. "Temporal expression of interleukin 6: Myokine protein abundance in primary bovine satellite cells from 11-month old beef steers." ASAS, Oklahoma City, OK.
9. Z.C. Crump, A.F. Alberto, B.L. Brown, L.A. Motsinger, **C.C. Reichhardt**, B.W. Roholt, K.A. Rood, M.D. Garcia, B.R. Bowman, K.J. Thornton. July 2022. [Poster Presentation]. "Examining the effects of providing injectable mineral, oral mineral or both to high-risk calves relative to weight gain, ribeye area, and backfat thickness." ASAS, Oklahoma City, OK.
10. B.L. Brown, L.A. Motsinger, **C.C. Reichhardt**, G.K. Murdoch, B.M. Murdoch, M.D. Garcia, K.J. Thornton. July 2022. [Poster Presentation]. "Effects of beef cattle breed type and steroid hormones on proliferation rates." ASAS, Oklahoma City, OK.
11. **C.C. Reichhardt**, A.F. Alberto, R.K. Briggs, L.A. Motsinger, L.L. Okamoto, B.W. Roholt, B.R. Bowman, M.D. Garcia, K.J. Thornton. July 2021. [Poster Presentation; Presenting Author]. "Examining the relationship between breed type and anabolic implant protocols in performance in the feedlot, health, and temperament of beef steers." ASAS, Louisville, KY.
12. A.F. Alberto, L.A. Motsinger, **C.C. Reichhardt**, S.L. Hansen, K.J. Thornton. July 2021. [Poster Presentation]. "Understanding the role of zinc and manganese in proliferation and protein synthesis of primary bovine satellite cells." ASAS, Louisville, KY.
13. L.L. Okamoto, **C.C. Reichhardt**, S.L. Lopez, A.F. Alberto, R.K. Briggs, L.A. Motsinger, F. Batistel, K.J. Thornton. July 2021. [Poster Presentation]. "The effects of fish oil supplementation on markers of inflammation and skeletal muscle and adipose growth in pigs." ASAS, Louisville, KY.
14. **C.C. Reichhardt**, T.J. Brady, R.K. Briggs, L.A. Smith, B.R. Bowman, A.J. Thomas, and K.J. Thornton. July 2020. [Poster Presentation; Presenting Author]. "Examining feedlot performance of Angus sired steers implanted with estradiol, trenbolone acetate, or a combined implant." ASAS, Online.
15. **C.C. Reichhardt**, T.J. Brady, R.K. Briggs, L.A. Smith, B.R. Bowman, M.D. Garcia, and K.J. Thornton. July 2020. [Oral Presentation; Presenting Author]. "Comparing the effectiveness of anabolic implants in Santa Gertrudis sired steers versus Angus steers." ASAS, Online.
16. E.M. Messersmith, **C.C. Reichhardt**, K.J. Thornton, and S.L. Hansen. July 2020. [Oral Presentation]. "Hormone content of anabolic implants differentially affects plasma and liver trace mineral concentrations." ASAS, Online.
17. T.J. Brady, **C.C. Reichhardt**, R.K. Briggs, L.A. Smith, K. Rood, B. Tarbet, M.D. Garcia, and K.J. Thornton. July 2020. [Poster Presentation]. "The effects of different mineral supplementation strategies on feedlot performance of mineral deficient cattle." ASAS, Online.
18. L.L. Okamoto, **C.C. Reichhardt**, B.P. Griffin, L.A. Smith, G.K. Murdoch, and K.J. Thornton. July 2020. [Poster Presentation]. "Examining the effects of estradiol, trenbolone acetate, or polyamines on bovine satellite cell differentiation." ASAS, Online.
19. L.A. Smith, A.Y. Young, R.K. Briggs, T.J. Brady, **C.C. Reichhardt**, and K.J. Thornton. July 2020. [Poster Presentation]. "Effects of feeding a novel alfalfa leaf pellet (ProLEAF MAXTM) and alfalfa stem byproduct (ProFIBER PlusTM) on growth and conception rates of developing dairy heifers." ASAS, Online.
20. B. Sarnecky, D.K. Vanderwall, H. Mason, **C. C. Reichhardt**, and B. Ambrose. July 2020. [Oral Presentation]. "Oxytocin-induced secretion of 13,14-dihydro-15-keto-prostaglandin F2 α in mares with prolonged corpus luteum function." Clinical Theriogenology, Online.

21. **C.C. Reichhardt**, A. Ahmadpour, C.A. Bidwell, A.J. Thomas, and K. J. Thornton. July 2019. [Poster Presentation; Presenting Author]. “Determining the molecular mechanism through which estradiol and trenbolone acetate improve skeletal muscle growth in beef cattle.” ASAS, Austin, TX.
22. T.S. Hadfield, **C.C. Reichhardt**, I. Sroufe, N.E. Ineck, M. Rigouski, C.A. Bidwell, D. Webster, D. Carlson, K.J. Thornton, I. Polejeva, and N.E. Cockett. July 2019. [Poster Presentation]. “Development of goats with Callipyge mutation.” ISAG, Lleida, Spain.

Refereed Journal Publications

(*Mentored students, #Corresponding author)

1. J.A. Rojas-Reyes*, T.J. Blad*, J.S. Bulosan*, A.S. Wanguba*, Y. Bustamante, K.J. Thornton, J.S. Odani, and **C.C. Reichhardt**[#]. 2025. “Supplementation of orally drenched ascorbic acid and injectable α -tocopherol reduces markers of naturally acquired parasites in grazing hair sheep lambs.” Small Ruminant Research. <https://doi.org/10.1016/j.smallrumres.2025.107515>
2. L.A. Motsinger, A. Young, R. Feuz, R. Larsen, T.J. Brady, R.K. Briggs, **C.C. Reichhardt**, C. Pratt, and K.J. Thornton. 2024. “Replacing alfalfa hay with a novel alfalfa leaf pellet product (ProLEAF MAX) and/or alfalfa stems (ProFiber Plus) in the diet of developing dairy heifers alters dry matter intake, but does not negatively impact growth or development.” Translational Animal Science. <https://doi.org/10.1093/tas/txae038>
3. K.A. Shira, B.M. Murdoch, K.J. Thornton, **C.C. Reichhardt**, G.M. Becker, G.E. Chibisa, and G.K. Murdoch. 2024. “Myokines produced by cultured bovine satellite cells harvested from 3- and 11- month-old Angus steers.” Animals. <https://doi.org/10.3390/ani14050709>
4. **C.C. Reichhardt**, S.A. Bayles, R. Feuz, L.A. Motsinger, A.F. Alberto, L.L. Okamoto, B.L. Brown, R.K. Briggs, B.W. Roholt, B.R. Bowman, R. Larsen, M.D. Garcia, and K.J. Thornton. 2023. “Relationship among cattle breed and anabolic implant protocol relative to feedlot performance: Growth, temperament, feeding behavior, carcass traits, and economic return.” Domestic Animal Endocrinology. <https://doi.org/10.1016/j.domaniend.2023.106806>
5. L.A. Motsinger, L.L. Okamoto, N.E. Ineck, B.A. Udy, C.L. Erickson, Y. Harraq, **C.C. Reichhardt**, G.K. Murdoch, K.J. Thornton. 2023. “Understanding the effects of trenbolone acetate, polyamine precursors, and polyamines on proliferation, protein synthesis rates, and the abundance of genes involved in myoblast growth, polyamine biosynthesis, and protein synthesis in murine myoblasts.” Biology. <https://doi.org/10.3390/biology12030446>
6. **C.C. Reichhardt**, J.M. Cuthbert, L.A. Motsinger, R.K. Briggs, T.J. Brady, A.J. Thomas, and K.J. Thornton. 2022. “Anabolic implants alter abundance of mRNA involved in muscle growth, metabolism and inflammation in the longissimus of Angus steers in the feedlot.” Domestic Animal Endocrinology. <https://doi.org/10.1016/j.domaniend.2022.106773>
7. R. Feuz, **C.C. Reichhardt**, R. Larsen, K.J. Thornton, and M.D. Garcia. 2022. “Comparing Net Returns in the Feedlot: Bos taurus vs Bos indicus influenced steers with varying anabolic implant intensity.” Translational Animal Science. <https://doi.org/10.1093/tas/txac111>
8. **C.C. Reichhardt**^a, C.S. Stafford^a, J.M. Cuthbert, D. Dang, L.A. Motsinger, M.J. Taylor, R.K. Briggs, T.J. Brady, A.J. Thomas, M.D. Garcia, S. Matarnah, and K.J. Thornton. 2022. “Cattle breed type and anabolic implants impact calpastatin expression and abundance of mRNA associated with protein turnover in the longissimus thoracis of feedlot steers.” Journal of Animal Science. <https://doi.org/10.1093/jas/skac204>
^aC.C. Reichhardt and C.S. Stafford contributed equally to this publication.
9. **C.C. Reichhardt**^a, E.M. Messersmith^a, T.J. Brady, L.A. Motsinger, R.K. Briggs, B.R. Bowman, S.L. Hansen, and K.J. Thornton. 2021. “Anabolic implants varying in hormone type and concentration influence performance, feeding behavior, carcass characteristics, plasma trace mineral concentrations, and liver trace mineral concentrations of Angus sired steers.” Animals. <https://doi.org/10.3390/ani11071964>
^aC.C. Reichhardt and E.M. Messersmith contributed equally to this publication.

10. **C.C. Reichhardt**, R. Feuz, T.J. Brady, L.A. Motsinger, R.K. Briggs, B.R Bowman, M.D. Garcia, R. Larsen, and K.J. Thornton. 2021. "Interactions between cattle breed type and anabolic implant strategy impact circulating serum metabolites, feedlot performance, feeding behavior, carcass characteristics, and economic return in beef steers." Domestic Animal Endocrinology. <https://doi.org/10.1016/j.domaniend.2021.106633>
11. **C.C. Reichhardt**, L. L. Okamoto, L.A. Motsinger, B.P Griffin, G.K. Murdoch, and K.J. Thornton. 2021. "The impact of polyamine precursors, polyamines and steroid hormones on temporal mRNA abundance in bovine satellite cells induced to differentiate." Animals. <https://doi.org/10.3390/ani11030764>
12. R.K. Briggs, **C.C. Reichhardt**[#], and A. Sears. 2020. "Does early weaning have both short- and long-term effects on pancreatic islets and skeletal muscle?" Journal of Physiology. <https://doi.org/10.1113/JP280109>
13. **C.C. Reichhardt**, A. Ahmadpour, R.G. Christensen, N.E. Ineck, G.K. Murdoch, and K.J. Thornton. 2020. "Understanding the influence of trenbolone acetate and polyamines on proliferation of bovine satellite cells." Domestic Animal Endocrinology. <https://doi.org/10.1016/j.domaniend.2020.106479>

Extension Publications

1. R.K. Briggs, **C.C. Reichhardt**, K.J. Thornton, M.D. Garcia, and L.A. Motsinger. 2024. "Using growth implants in Bos indicus cattle compared to Bos taurus cattle." Fact Sheet. Utah State University Extension.
2. **C.C. Reichhardt**, R.K. Briggs, L.A. Motsinger, K.J. Thornton, and M.D. Garcia. 2022. "The benefits of growth-promoting implants for beef cattle." Fact Sheet. Utah State University Extension.

Leadership Roles (Committees, Boards, Advisory, etc.)

2024-Present	Chair ; UH CTAHR Senate Instructional Committee, Honolulu, HI
2024	Committee Member ; Western Sections American Society of Animal Science Beef Cattle Program
2024-Present	Undergraduate Program Coordinator ; Animal Science Program, HNFAS, Honolulu, HI
2023-Present	Affiliate Faculty ; UH Center for Teaching Excellence
2023-Present	Committee Member ; UH CTAHR Senate Instructional Committee, Honolulu, HI
2023-Present	Faculty Senator ; UH CTAHR Faculty Senate, Honolulu, HI
2023-Present	Committee Member ; UH HNFAS Space Committee, Honolulu, HI
2023-Present	Grant Reviewer ; Western Sustainable Research and Education
2022-Present	Ad-hoc Reviewer ; Reviewer for Peer Reviewed Journals
2022-Present	Committee Member ; UH HNFAS Curriculum Committee, Honolulu, HI
2022-Present	Advisor ; UH Animal Science Club, Honolulu, HI
2022	Chair ; Western Sections American Society of Animal Science Nutritional and Physiology Chair, Park City, UT

Graduate Students

<u>Category</u>	<u>Current Number of Students</u>	<u>Number Graduated (Career)</u>
Chair of Master Committees	4	0
Chair of PhD Committees	0	0
Member of Master Committees	2	0
Member of PhD Committees	7	0

Grant Support

Title of Grant: Empowering the future of sustainable tropical livestock and meat industries through education and experiential learning

Source of Grant: USDA-NIFA

Total Dollar Value (Your share of the grant value): \$500,000 (\$428,000)

Dates of Grant: 2024-2028

Role: (PI, CoPI,) **PI**

Title of Grant: UH Meat and Poultry Consortium

Source of Grant: USDA-NIFA

Total Dollar Value (Your share of the grant value): \$950,000 (\$172,000)

Dates of Grant: 2024-2027

Role: (PI, CoPI,) Co-PI

Title of Grant: State of Hawaii Game Meat Processing Plan

Source of Grant: HDOA

Total Dollar Value (Your share of the grant value): \$45,000 (\$45,000)

Dates of Grant: 2024-2025

Role: (PI, CoPI,) **PI**

Title of Grant: Tropical Innovation Research and Education Center for Forage and Beef Cattle Systems

Source of Grant: UHM-CTAHR

Total Dollar Value (Your share of the grant value): \$70,500 (\$10,000)

Dates of Grant: 2024-2025

Role: (PI, CoPI,) Co-PI

Title of Grant: Tinian Beef Cattle Industry Technical Assistance

Source of Grant: Department of Commerce

Total Dollar Value (Your share of the grant value): \$400,000

Dates of Grant: 2024-2025

Role: (PI, CoPI,) Co-PI

Title of Grant: Evaluating the effects of injectable vitamin E on beef calf growth and behavior

Source of Grant: UHM 2024 UROP Faculty Mentoring Grant

Total Dollar Value (Your share of the grant value): \$9,947 (\$9,947)

Dates of Grant: 2024

Role: (PI, CoPI,) **PI**

Title of Grant: Evaluating the use of injectable vitamin E and C to control for parasites in tropical based sheep production

Source of Grant: National Sheep Industry Improvement Center

Total Dollar Value (Your share of the grant value): \$32,479 (\$32,479)

Dates of Grant: 2023-2024

Role: (PI, CoPI,) **PI**

Title of Grant: Evaluating the effects of the vitamin A and D receptors on ovine satellite cell proliferation and protein synthesis rates

Source of Grant: UHM 2023 UROP Faculty Mentoring Grant

Total Dollar Value (Your share of the grant value): \$9,992 (\$9,992)

Dates of Grant: 2023

Role: (PI, CoPI,) **PI**

Title of Grant: Comparison of growth promoting technologies and performance of *Bos indicus* vs *Bos taurus* influenced steers

Source of Grant: ADVS Graduate Research Opportunity Grant

Total Dollar Value (Your share of the grant value): \$4,000 (\$4,000)

Dates of Grant: 2019-2020

Role: (PI, CoPI,) **PI**

Presentations at Conferences

Title: Examining the role of vitamin E in ruminant livestock growth and production

Authors (put an asterisk on the presenter): Caleb C. Reichhardt*

Name of Conference: ASAS-CSAS-WSASAS Annual Meeting

Location: Calgary, Canada

Date of Presentation: July 2024

Title: Effects of a Retinoid X Receptor agonist on primary ovine satellite cells

Authors (put an asterisk on the presenter): T.J. Blad*, A.S. Wanguba, J.A. Rojas-Reyes, A. Cariaga, C.F. Rivera, J.S. Odani, and **C.C. Reichhardt**

Name of Conference: ASAS-CSAS-WSASAS Annual Meeting

Location: Calgary, Canada

Date of Presentation: July 2024

Title: The effects of vitamin E and/or C on parasite burden in hairs sheep

Authors (put an asterisk on the presenter): J.A. Rojas-Reyes*, T.J. Blad, A.S. Wanguba, J.S. Bulosan, J.S. Odani, and **C.C. Reichhardt**

Name of Conference: ASAS-CSAS-WSASAS Annual Meeting

Location: Calgary, Canada

Date of Presentation: July 2024

Title: Examining the effect of genetics between *Bos taurus* and *Bos indicus* influenced cattle on production performance, carcass characteristics, and feeding behavior

Authors (put an asterisk on the presenter): L.L. Okamoto*, M. Stegemiller, **C.C. Reichhardt**, A.F. Alberto, S.A. Bayles, B.W. Roholt, B.M. Murdoch, and K.J. Thornton

Name of Conference: ASAS-CSAS-WSASAS Annual Meeting

Location: Calgary, Canada

Date of Presentation: July 2024

Title: Effects of different trace mineral supplementation strategies on liver mineral status and gene expression of at-risk mineral deficient feedlot cattle

Authors (put an asterisk on the presenter): A.F. Alberto*, **C.C. Reichhardt**, B.L. Brown, L.A. Motsinger, K.A. Rood, B. Bowman, B.W. Roholt, M.D. Garcia, and K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Albuquerque, NM

Date of Presentation: July 2023

Title: Genetic differences related to beef production traits in bos Taurus and bos Indicus influenced cattle

Authors (put an asterisk on the presenter): L.L. Okamoto*, M. Stegemiller, **C.C. Reichhardt**, L.A. Motsinger, A.F. Alberto, S.A. Bayles, B.W. Roholt, M.D. Garcia, B.M. Murdoch, and K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Albuquerque, NM

Date of Presentation: July 2023

Title: Estradiol improves proliferation and protein synthesis rates of primary bovine satellite cells by altering mRNA abundance related to amino acid and micronutrient metabolism

Authors (put an asterisk on the presenter): **C.C. Reichhardt***, L.L. Okamoto, L.A. Motsinger, N.E. Ineck, K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Oklahoma City, OK

Date of Presentation: July 2022

Title: Effect of beef breed type relative to feedlot performance, feeding behavior, and carcass characteristics

Authors (put an asterisk on the presenter): L.L. Okamoto*, **C. Reichhardt**, A.F. Alberto, L.A. Motsinger, S.A. Bayles, B.W. Roholt, M.D. Garcia, K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Oklahoma City, OK

Date of Presentation: July 2022

Title: Temporal expression of interleukin 6: Myokine protein abundance in primary bovine satellite cells from 11-month old beef steers

Authors (put an asterisk on the presenter): K.A. Shira*, B.M. Murdoch, K.J. Thornton, **C.C. Reichhardt**, G. Baker, G.E. Chibisa, G.K. Murdoch

Name of Conference: ASAS-CSAS Annual Meeting

Location: Oklahoma City, OK

Date of Presentation: July 2022

Title: Examining the effects of providing injectable mineral, oral mineral or both to high-risk calves relative to weight gain, ribeye area, and backfat thickness

Authors (put an asterisk on the presenter): Z.C. Crump*, A.F. Alberto, B.L. Brown, L.A. Motsinger, **C.C. Reichhardt**, B.W. Roholt, K.A. Rood, M.D. Garcia, B.R. Bowman, K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Oklahoma City, OK

Date of Presentation: July 2022

Title: Effects of beef cattle breed type and steroid hormones on proliferation rates

Authors (put an asterisk on the presenter): B.L. Brown*, L.A. Motsinger, **C.C. Reichhardt**, G.K. Murdoch, B.M. Murdoch, M.D. Garcia, K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Oklahoma City, OK

Date of Presentation: July 2022

Title: Examining the relationship between breed type and anabolic implant protocols in performance in the feedlot, health, and temperament of beef steers

Authors (put an asterisk on the presenter): **C.C. Reichhardt***, A.F. Alberto, R.K. Briggs, L.A. Motsinger, L.L. Okamoto, B.W. Roholt, B.R. Bowman, M.D. Garcia, K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Louisville, KY

Date of Presentation: July 2021

Title: Understanding the role of zinc and manganese in proliferation and protein synthesis of primary bovine satellite cells

Authors (put an asterisk on the presenter): A.F. Alberto*, L.A. Motsinger, **C.C. Reichhardt**, S.L. Hansen, K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Louisville, KY

Date of Presentation: July 2021

Title: The effects of fish oil supplementation on markers of inflammation and skeletal muscle and adipose growth in pigs

Authors (put an asterisk on the presenter): L.L. Okamoto*, **C.C. Reichhardt**, S.L. Lopez, A.F. Alberto, R.K. Briggs, L.A. Motsinger, F. Batistel, K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Louisville, KY

Date of Presentation: July 2021

Title: Examining feedlot performance of Angus sired steers implanted with estradiol, trenbolone acetate, or a combined implant

Authors (put an asterisk on the presenter): **C.C. Reichhardt***, T.J. Brady, R.K. Briggs, L.A. Smith, B.R. Bowman, A.J. Thomas, and K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Online

Date of Presentation: July 2020

Title: Comparing the effectiveness of anabolic implants in Santa Gertrudis sired steers versus Angus steers

Authors (put an asterisk on the presenter): **C.C. Reichhardt***, T.J. Brady, R.K. Briggs, L.A. Smith, B.R. Bowman, M.D. Garcia, and K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Online

Date of Presentation: July 2020

Title: Hormone content of anabolic implants differentially affects plasma and liver trace mineral concentrations

Authors (put an asterisk on the presenter): E.M. Messersmith*, **C.C. Reichhardt**, K.J. Thornton, and S.L. Hansen.

Name of Conference: ASAS-CSAS Annual Meeting

Location: Online

Date of Presentation: July 2020

Title: The effects of different mineral supplementation strategies on feedlot performance of mineral deficient cattle

Authors (put an asterisk on the presenter): T.J. Brady*, **C.C. Reichhardt**, R.K. Briggs, L.A. Smith, K. Rood, B. Tarbet, M.D. Garcia, and K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Online

Date of Presentation: July 2020

Title: Examining the effects of estradiol, trenbolone acetate, or polyamines on bovine satellite cell differentiation

Authors (put an asterisk on the presenter): L.L. Okamoto*, **C.C. Reichhardt**, B.P Griffin, L.A. Smith, G.K. Murdoch, and K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Online

Date of Presentation: July 2020

Title: Effects of feeding a novel alfalfa leaf pellet (ProLEAF MAXTM) and alfalfa stem byproduct (ProFIBER PlusTM) on growth and conception rates of developing dairy heifers

Authors (put an asterisk on the presenter): L.A. Smith*, A.Y. Young, R.K. Briggs, T.J. Brady, **C.C. Reichhardt**, and K.J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Online

Date of Presentation: July 2020

Title: Oxytocin-induced secretion of 13,14-dihydro-15-keto-prostaglandin F2 α in mares with prolonged corpus luteum function

Authors (put an asterisk on the presenter): B.Sarnecky*, D.K. Vanderwall, H. Mason, **C. C. Reichhardt**, and B. Ambrose

Name of Conference: Clinical Theriogenology

Location: Online

Date of Presentation: June 2020

Title: Determining the molecular mechanism through which estradiol and trenbolone acetate improve skeletal muscle growth in beef cattle

Authors (put an asterisk on the presenter): **C.C. Reichhardt***, A. Ahmadpour, C.A. Bidwell, A.J. Thomas, and K. J. Thornton

Name of Conference: ASAS-CSAS Annual Meeting

Location: Austin, TX

Date of Presentation: June 2019

Title: Development of goats with Callipyge mutation

Authors (put an asterisk on the presenter): T.S. Hadfield*, **C.C. Reichhardt**, I. Sroufe, N.E. Ineck, M. Rigouski, C.A. Bidwell, D. Webster, D. Carlson, K.J. Thornton, I. Polejeva, and N.E. Cockett

Name of Conference: ISAG

Location: Lleida, Spain

Date of Presentation: July 2019