2018
Faculty Achievements and Activities
College of Agriculture and Applied Sciences

Awards and Honors

**Aguilar, Sheryl Swain**
- Research Poster Winner, Utah Academy of Nutrition and Dietetics, (March 2018).

**Anderson, David T**
- Spirit of ’39 Award, LAEP Department, (May 2018).

**Beard, F. Richard**
- Utah Green Industry Distinguished Service Award, Utah Nursery and Landscape Association, (February 2018).

**Benninghoff, Abby**
- Sunrise Speaker USU Office of Research and Graduate Studies, (August 2018).
- Undergraduate Faculty Mentor of the Year, CAAS, (August 2018).
- First Place - First Chapter Contest, General and Historical Fiction, Storymakers, (May 2018).
- Second Place - First Chapter Contest, YA General and Historical Fiction, Storymakers, (May 2018).
- Undergraduate Faculty Mentor of the Year, NDFS, (February 14, 2018).

**Black, Brent L**
- Mentor to Ulysses P. Hedrick Award winner, best student paper, American Pomological Society, (August 1, 2018).

**Bunnell, Matthew D**
- Gold Seal Flight Instructor, Federal Aviation Administration, (November 22, 2018).

**Charlton, Rebecca Dawn**
- Whitney Award Nomination, Storymakers, (December 2018).
- Undergraduate Faculty Mentor of the Year, CAAS, (August 2018).
- First Place - First Chapter Contest, General and Historical Fiction, Storymakers, (May 2018).
- Second Place - First Chapter Contest, YA General and Historical Fiction, Storymakers, (May 2018).
- Undergraduate Faculty Mentor of the Year, NDFS, (February 14, 2018).

**Chikamoto, Yoshimitsu**
- The Syono Award, Meteorological Society of Japan, (October 30, 2018).

**Coulombe, Roger A**
2018
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Davies, Chris
  Nominated as candidate for President, American Society for Reproductive Immunology, (July 1, 2018).

Delgadillo, Lucy Marina
  Editorial Board Member, AAFCS, (October 15, 2018).
  Best Professional Paper Award, AAFCS, (June 25, 2018).

Drost, Daniel Thomas
  Western Award of Excellence in Multi-state Research, USDA, (April 5, 2018).

Frame, David D
  Phibro Extension Award, Poultry Science Association, (July 26, 2018).
  Special Recognition Award, Western Poultry Disease Conference, (April 17, 2018).

Gillies, Robert
  Certificate of Appointment - Visiting Professor, National Chung Hsing University, Taiwan, (December 21, 2018).
  Best Selling Book of the Year - Climate Extremes, AGU, (December 13, 2018).

Graf, Marlene Israelsen
  USDA Excellence in Teaching Agricultural Sciences Award (Nominee), (March 2018).

Hall, Jeffery O
  Faculty Service Person of the Year, College of Agriculture and Applied Sciences, (August 2018).
  Faculty Service Person of the Year, Department of Animal, Dairy, and Veterinary Sciences, (March 2018).

Hole, David Jay

Jenson, Justin
  Exhibit 1st place Aged Cow, Senior and Grand Champion, Western Spring National Holstein Show, (May 18, 2018).
  Distinguished Service Award, Utah Holstein Association, (May 17, 2018).
  Silver Team, NAIDC, (April 14, 2018).
2018
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Johnson, Todd Donald

2018 Utah ASLA Honor Award, State Chapter ASLA, (April 2018).

2018 - Utah Real Estate Competition Student Awards, Boyer Development/University of Utah Eccles, (April 17, 2018).

Jones, Scott B

Fellow, Soil Science Society of America, (June 2018).

Kopp, Kelly L

Extension Division Material Award, American Society of Horticultural Science, (August 2, 2018).

Best Fact Sheet Award, Utah Association of County Agricultural Agents, (May 3, 2018).

Best Publication Award, Utah Association of County Agricultural Agents, (May 3, 2018).

Lavoie, Caroline


2018 Utah APA - Award of merit for City of Pocatello and the Portneuf River, Utah APA (American Planning Association), (October 2018).


2018 Utah ASLA - Honor Award for City of Pocatello, Utah ASLA (American Society of Landscape Architects), (April 2018).

Lee, Young-Min

2018 CAAS Faculty Researcher of the Year Award, Utah State University, (April 23, 2018).

2018 ADVS Department Researcher of the Year Award, Utah State University, (February 12, 2018).

Matarneh, Sulaiman K

William C. Winder and Rebecca Steward Winder Professorship Award, Department of Nutrition, Dietetics and Food Sciences, Utah State University, (August 2018).

Meyer, Ralph Guenter


Meyer-Ficca, Mirella L

2018
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Invitation as Session Chair, North American Testis Workshop 2019, (October 16, 2018).

USU Destinations: Planetary Thinking in the Curriculum, USU Sustainability Council, (March 16, 2018).

Nummer, Brian A

Fulbright Specialist Award, Fulbright, (June 21, 2018).

Reeve, Edward M

Technology and Engineering Teacher Educator of the Year, Council on Technology & Engineering Teacher Education (CTETE), (April 13, 2018).

Savoie Roskos, Mateja Renee

SNAP-Ed/EFNEP Educational Program Award (Team), National Extension Association of Family and Consumer Sciences, Western Region, (September 2018).

Teaching Award of Merit, North American Colleges and Teachers of Agriculture, (August 16, 2018).

Outstanding Young Member of the Year Award, Academy of Nutrition and Dietetics, Public Health/Community Nutrition Practice Group, (July 27, 2018).

2018-2019 CAAS Teacher of the Year Award, College of Agriculture and Applied Sciences, Utah State University, (April 23, 2018).

Undergraduate Research Poster of the Year Award, Utah Academy of Nutrition and Dietetics, (March 30, 2018).

SNAP-ED/EFNEP Educational Program Award (Team Award), Utah Extension Association of Family and Consumer Sciences, (February 28, 2018).

2017-2018 Teacher of the Year, Department of Nutrition Dietetics and Food Sciences, Utah State University, (February 2018).

Sorensen, Tyson Joel

Outstanding Early Career (Young Member) Award, Western Region of the American Association for Agricultural Education, (September 2018).

Outstanding Research Poster Design, Western Region, American Association for Agricultural Education, (September 2018).

President’s Volunteer Service Award, Winrock International, (May 2018).

Most Outstanding Undergraduate Oral Presentation Award- Social Science & Education Discipline, Utah State University Student Research Symposium, (April 2018).

College of Agriculture and Applied Sciences Undergraduate Research Mentor of the Year Award Nomination, College of Agriculture and Applied Sciences, (February 2018).
Steinitz, Tamara

Award of Merit, Utah Academy of Nutrition and Dietetics, (April 2018).

Stewardson, Denise M

Invited Marshal for University Commencement, College of Agriculture and Applied Sciences, (May 2018).

Stock, Melanie

Champ Tanner Agricultural Physics Award, University of Wisconsin - Madison, Department of Soil Science, (2018).

Stott, Rusty Dean

Award for Excellence in Pre-Clinical Teaching, WIMU Regional Program in Veterinary Medicine, (May 2018).

2018 Excellence in Teaching Award, WIMU Regional Program in Veterinary Medicine, (April 2018).

Sun, Youping

ASHS Outstanding Ornamental Publication Award, American Society for Horticultural Science, (July 31, 2018).

Thompson, Aaron

Outstanding Construction Management Graduate Student, UNL Durham School of Construction Management, (April 2018).

Wang, ShihYu

Graduate Mentor of the Year, College, (August 2018).


Warnick, Brian K

AAAE Fellow, American Association for Agricultural Education, (May 16, 2018).

Honorary State FFA Degree, Utah FFA Association, (March 9, 2018).

Wesemann, Andreas Karl

Silver Beaver, Boy Scouts of America, (December 31, 2018).

Teaching Award of Merit, College of Agriculture and Applied Science, (August 16, 2018).

Master Teacher Certificate, CIDI, (February 12, 2018).

Teaching Scholar Certificate, CIDI, (February 8, 2018).
Wilson, David J

International Professor of the Year award, College of Agriculture and Applied Sciences, 2018, Utah State University, (August 2018).

Career Extension Award, Utah State University, (April 2018).

Young, Stephen

ORAU Ralph E. Powe Junior Faculty Enhancement Award (Nomination), (December 21, 2018).

Creative Works, Performances, Exhibitions and Activities

Artistic Works and Designs

Rupp, Larry A

Art - Creative Work - ASHS Photography Contest, June 2018.

Exhibitions

Koven, Mark

Art - Exhibition, One-Person - "One Drop at a Time" (Miami Science Museum), 2018.

Other

Charlton, Rebecca Dawn


Short Fiction - Anthology - To Mark the Time, March 21, 2018.


Johnson, Todd Donald


Lavoie, Caroline

Exhibition organized with students - International travelling exhibit in Utah, Germany and Indonesia - "LandArt Dialogue with Nature" International travelling student exhibition in Utah, Germany and Indonesia, January 30, 2018.

Perez, Elias V

Art - Arts Festival - Concert in the Park (Los Hermanos de los Andes), September 1, 2018.
2018
Faculty Achievements and Activities
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Powell, Jake F

Design Competition Submission - A New Heart - Uniting a Divided Campus Through Innovative Green Infrastructure Design, September 1, 2018.

Scott, Paula E

EFNEP Recruitment Program - Recruit’em 2.0, October 1, 2018.

EFNEP Marketing - Health and Wellness Fairs Booth Display (Fruit & Veggies) (Paula Scott), February 26, 2018.

Young, Stephen


Publications/Intellectual Contributions

Performances in Publications

Garcia, Matthew D

RFDTV-American Rancher TV Interview, (October (4th Quarter/Autumn) 1, 2018).


Antibiotics Use in Beef Cattle, (February 1, 2018).

Abstract

Aguilar, Sheryl Swain

A Randomized Four School Trial of the FIT Game Healthy Eating Program, (October (4th Quarter/Autumn) 2018), Journal of the Academy of Nutrition and Dietetics Supplement.

Black, Brent L

Propagation techniques for Sambucus cerulea (Blue Elderberry), (August 2018), American Society for Horticultural Science.


Carman, John G

Can infrequent chromosome pairing and segregation in allodiploid apomictic Boechera produce genomically unique sexual species?, (January (1st Quarter/Winter) 2018), Plant & Animal Genome Conference XXVI.
Chamberlain, Brent Charles

An Evaluation and Comparison of Spatial Memory Assessments, (November 2018).

Cue the space: the role of landmarks and navigational aids in spatial memory and recall, (September 2018).

Cross-cultural, cross-modal and cross-species’ spatial perception and action in virtual and real environments, (September 2018), Cognitive Process, 19, S1-S76.


Designing Spaces in a World of GPS, (April (2nd Quarter/Spring) 2018).


Virtual Konza Prairie, (April (2nd Quarter/Spring) 2018).

Isom, Stephen Clay


Kelly, Emma Jane


Lavoie, Caroline


MacAdam, Jennifer W


In vitro rumen fermentation of six pasture species and their isolated fiber, (2018), In Annual Meetings Abstracts. ASA, CSSA, and SSSA, Madison, WI.


Ransom, Corey Verlin

Comparison of Mechanical Removal and Basal Bark Herbicide Treatments on Russian Olive Regrowth, (October (4th Quarter/Autumn) 22, 2018), Proceedings of the National Society of County Agricultural Agents Western Region Professional Improvement Conference, 2018.
2018
Faculty Achievements and Activities
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Controlling Cutleaf Vipergrass in Alfalfa and Rangeland, (June 12, 2018), Proceedings of the Utah Association of County Agriculture Agents, 6.

Rood, Kerry A
Intramammary casein hydrolysate alone or combined with other treatments when drying off dairy cows, (June 25, 2018), American Dairy Science Association, 101, 177.

Rupp, Larry A
Propagation techniques for Sambucus cerulea (Blue Elderberry), (August 2018), American Society for Horticultural Science.

Stott, Rusty Dean

Thornton-Kurth, Kara J

Wengreen, Heidi J
A Randomized Four School Trial of the FIT Game Healthy Eating Program, (October (4th Quarter/Autumn) 2018), Journal of the Academy of Nutrition and Dietetics Supplement.

Wilson, David J
Comparison between conventional culture, MALDI-TOF, and 16S rRNA for test agreement in diagnosis of bacteria in individual cow milk samples, (June 25, 2018), American Dairy Science Association, 101, 133.
Intramammary casein hydrolysate alone or combined with other treatments when drying off dairy cows, (June 25, 2018), American Dairy Science Association, 101, 177.

Yost, Matt A
Small Grains Yield Response to Nitrogen Application Following Alfalfa in Sevier County, Utah, (October (4th Quarter/Autumn) 22, 2018), Proceedings - 2018 NACAA Western Region Annual Meeting and Professional Improvement Conference, 11.

Young, Allen J
Book Review

Reeve, Jennifer Rose

Radical regenerative gardening and farming: biodynamic practices and perspectives, (July (3rd Quarter/Summer) 13, 2018), Choice connect, 56, 213.

Book, Chapter in Scholarly Book

Akhundjanov, Sherzod


Chamberlain, Brent Charles


Jones, Scott B


Kaundal, Amita


Martini, Silvana


Meyer-Ficca, Mirella L

Niacin, (February 1, 2018), Elsevier, 93, about 40.

Niacin, (January (1st Quarter/Winter) 1, 2018).

Sun, Youping


Symplocos paniculata (Sapphire Berry): a woody and energy-efficient oil plant, (March 2018), Apple Academic Press, Inc.

Wengreen, Heidi J

Change and maintaining change in school cafeterias: Economic and behavioral economic approaches to increasing fruit and vegetable consumption, (July (3rd Quarter/Summer) 2018), University of Nebraska Press, 45, 101-125.
2018
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Book, Chapter in Textbook-New

Allen, Karin E
Safety in food tourism operations, (2018), Routledge.

Delgadillo, Lucy Marina
Personal Finance Competencies in the Context of the Practice of Financial Counseling, (November 2018), Springer Nature.

Hall, Jeffery O

Meyer, Ralph Guenter
Circadian Clock, Epigenetic Regulators (Sirtuins) and Metabolism, (October (4th Quarter/Autumn) 2018), in Elsevier’s Reference Module in Biomedical Sciences, 690-699.

Meyer-Ficca, Mirella L
Circadian Clock, Epigenetic Regulators (Sirtuins) and Metabolism, (October (4th Quarter/Autumn) 2018), in Elsevier’s Reference Module in Biomedical Sciences, 690-699.

Book, Chapter in Textbook-Revised

Hall, Jeffery O

Van Wettere, Arnaud

Book, Non-Scholarly-New

Durward, Carrie Margaret
Healthy Family Fun Cookbook, (February 2018).

Book, Textbook-New

Kim, Man-Keun
Applied Mathematical Programming, (December 15, 2018), Department of Applied Economics, Utah State University.
2018 Faculty Achievements and Activities
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Bulletin-AES

Hole, David Jay

2018 Utah Small Grains Performance Trials, Utah Agricultural Experiment Station Report 225, (October (4th Quarter/Autumn) 2018), 225.

Bulletin-Extension

Young, Allen J

2017 Rocky Mountain DHIA Annual Summary, (January (1st Quarter/Winter) 2018), Utah State University Extension.

Bulletin-Other

Rupp, Larry A

Prostrate Ceanothus in the Landscape, (February 2018), Native Plants for the Intermountain West.

Snowbrush Ceanothus in the Landscape, (February 2018), Native Plants for the Intermountain West.

Conference Proceeding

Baldwin, Thomas J

Congenital abnormalities in neonatal ruminant clones, (August 8, 2018), Animal, Dairy and Veterinary Sciences Student Research Symposium, 10.

Black, Brent L


Renewal pruning strategies for 'Montmorency' tart cherry on dwarfing rootstocks, (December 2018), Scientia Horticulturae, 1228, 117-120.

Curtis, Kynda


Hall, Jeffery O

Common Vitamin and Mineral Abnormalities in Beef Cattle, (November 2018), Proceedings publication for the Dairy Smart Nutrition Group Meeting.

Common Vitamin and Mineral Abnormalities in Dairy Cattle, (November 2018), Proceedings publication for the Dairy Smart Nutrition Group Meeting.

Common Vitamin and Mineral Abnormalities in Beef Cattle, (September 2018), Proceedings publication for the CowBos National Dealers Meeting.
Common Vitamin and Mineral Abnormalities in Beef Cattle, (August 2018), Proceedings publication for the Southwest Veterinary Medical Association Annual Meeting/Boehringer Ingelheim Cattle First Forum.

Common Vitamin and Mineral Abnormalities in Beef Cattle, (July (3rd Quarter/Summer) 2018), Proceedings publication for the Furst McNess National Beef Division Sales Meeting.

Common Vitamin and Mineral Abnormalities in Beef Cattle, (July (3rd Quarter/Summer) 2018), Proceedings publication for the Arizona Cattle Growers Association 114th Annual Convention.

Common Vitamin and Mineral Abnormalities in Beef Cattle, (June 2018), Proceedings publication for the Eleventh Annual Zoetis Veterinarian CE/Producer Meeting.

Common Vitamin and Mineral Abnormalities in Dairy Cattle, (June 2018), Proceedings publication for the Eleventh Annual Zoetis Veterinarian CE/Producer Meeting.

Effects of Sulfur and Sulfate on Ruminant Health, (June 2018), Proceedings publication for the Eleventh Annual Zoetis Veterinarian CE/Producer Meeting.

Common Vitamin and Mineral Abnormalities in Beef Cattle, (March 2018), Proceedings publication for the Veterinary School Student Symposia.


Common Vitamin and Mineral Abnormalities in Dairy Cattle, (March 2018), Proceedings publication for the Novus Ruminant Advantage Conference.


Common Vitamin and Mineral Abnormalities in Beef Cattle, (January (1st Quarter/Winter) 2018), Proceedings publication for the Montana Veterinary Medical Association Winter Meeting.

Common Vitamin and Mineral Abnormalities in Beef Cattle, (January (1st Quarter/Winter) 2018), Proceedings publication for the National Cattlemen's Beef Association Cattle Industry Convention & Trade Show.

Common Vitamin and Mineral Abnormalities in Dairy Cattle, (January (1st Quarter/Winter) 2018), Proceedings publication for the Montana Veterinary Medical Association Winter Meeting.

Effects of Sulfur and Sulfate on Ruminant Health, (January (1st Quarter/Winter) 2018), Proceedings publication for the Montana Veterinary Medical Association Winter Meeting.

Jones, Scott B

Lawver, Rebecca Grace

Examining the concerns of preservice teachers with non-SBAE backgrounds, (September 19, 2018), Western Region Agricultural Education Research Conference, 37, 120-126.

Identifying school-based agricultural education program volunteers within urban-suburban and rural communities, (September 19, 2018), Western Region Agricultural Education Research Conference, 37, 166-173.

Munger, Ronald G

Gestational diabetes and maternal metabolic syndrome biomarkers are associated with risk of orofacial clefts, (2018), The Cleft Palate-Craniofacial Journal, 55, 117.

Maternal vitamin B12 status is associated with risk of cleft lip and cleft palate in Tamil Nadu State, India, (2018), The Cleft Palate-Craniofacial Journal, 55, 70.

Pozo, Veronica


Ransom, Corey Verlin


Reeve, Edward M

E-Learning Practice in Higher Education, (May 1, 2018), King Mongkut’s Institute of Technology Ladkrabang, CEP03-01- CEP03-08.

Rood, Kerry A

Effect of casein hydrolysate on bovine mammary involution: changes to milk composition and preliminary histological evaluation, (August 8, 2018), Animal, Dairy and Veterinary Sciences Student Research Symposium, 35.

Casein hydrolysate as a possible adjunct to or replacement treatment for current antibiotic therapies used at dry-off in dairy cows, (February 2, 2018), National Mastitis Council, 57, 238-239.

Sorensen, Tyson Joel

Examining turnover intentions and work-family conflict of CTE teachers in Oregon, (December 2018), CTE Research and Professional Development Conference.

Agriculture, food, and natural resources education: Inspecting the pipeline, (October (4th Quarter/Autumn) 2018), North Central Region American Association for Agricultural Education Research Conference, 101-107.
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Examining the concerns of preservice teachers with non-SBAE backgrounds, (September 19, 2018), Western Region Agricultural Education Research Conference, 37, 120-126.

Identifying school-based agricultural education program volunteers within urban-suburban and rural communities, (September 19, 2018), Western Region Agricultural Education Research Conference, 37, 166-173.

Evaluating interdisciplinary teaching: Curriculum for agricultural science education, (May 19, 2018), American Association for Agricultural Education Research Conference, 45, 247-264.

Spielmaker, Debra M

Investigating Mobile Agricultural Classrooms for Agricultural Literacy Programming, (July (3rd Quarter/Summer) 2018), Mobile Lab Coalition Annual Conference.

Sun, Youping


Wilson, David J

Culture, MALDI-TOF and 16S rRNA bovine milk microbial diagnostic methods - blind comparison for test agreement, (October (4th Quarter/Autumn) 19, 2018), American Association of Veterinary Laboratory Diagnosticians, 61, 10.

Microbial identification of bovine milk isolates compared between conventional culture, MALDI-TOF and 16S rRNA, (October (4th Quarter/Autumn) 11, 2018), 12th Euroglobal Summit on Veterinary and Animal Sciences, 12, 19.

Congenital abnormalities in neonatal ruminant clones, (August 8, 2018), Animal, Dairy and Veterinary Sciences Student Research Symposium, 10.

Effect of casein hydrolysate on bovine mammary involution: changes to milk composition and preliminary histological evaluation, (August 8, 2018), Animal, Dairy and Veterinary Sciences Student Research Symposium, 35.

Casein hydrolysate as a possible adjunct to or replacement treatment for current antibiotic therapies used at dry-off in dairy cows, (February 2, 2018), National Mastitis Council, 57, 238-239.

Curricula-Extension

Curtis, Kynda

Fresh Produce Direct Sales and Pricing, (October (4th Quarter/Autumn) 2018), USU Extension.

Start-to-Farm, (October (4th Quarter/Autumn) 2018), USU Extension.

Durward, Carrie Margaret

Fresh Produce Direct Sales and Pricing, (October (4th Quarter/Autumn) 2018), USU Extension.
LeBlanc, Heidi Reese
CREATE Better Health: Refugee Curriculum, (October (4th Quarter/Autumn) 2018), Utah State University Extension.

Nummer, Brian A
Master Food Preserver Curricula, (January (1st Quarter/Winter) 2018).

Stock, Melanie
Start-to-Farm, (October (4th Quarter/Autumn) 2018), USU Extension.

Ward, Ruby
Start-to-Farm, (October (4th Quarter/Autumn) 2018), USU Extension.


Hoopes, Karl H

Curriculum Materials-Other

Curtis, Kynda
Conventional vs. Organic Produce Price Comparisons for Utah, (December 2018), USU Extension.
Farmers' Market Produce Price Comparisons for Utah, (December 2018), USU Extension.
Farmers' Market vs. Grocery Store Produce Price Comparisons for Utah, (December 2018), USU Extension.
National vs. Local Grocery Store Produce Price Comparisons for Utah, (December 2018), USU Extension.

Durward, Carrie Margaret
Conventional vs. Organic Produce Price Comparisons for Utah, (December 2018), USU Extension.
Farmers' Market Produce Price Comparisons for Utah, (December 2018), USU Extension.
Farmers' Market vs. Grocery Store Produce Price Comparisons for Utah, (December 2018), USU Extension.
National vs. Local Grocery Store Produce Price Comparisons for Utah, (December 2018), USU Extension.

Nummer, Brian A
Food Sanitation and Safety, (January (1st Quarter/Winter) 2018).
Baldwin, Thomas J

Is Mycoplasma bovis in sand bedding infectious to dairy calves?, (October (4th Quarter/Autumn) 16, 2018), Utah State University.

Black, Brent L

Blackberry management in Utah, (March 2018), USU Extension, Horticulture/Fruit.

Selecting blackberry cultivars for Utah, (February 2018), USU Extension, Horticulture/Fruit.

Tart Cherries in the Garden, (September 25, 2018), USU Extension.

Strategies for managing soil fertility and health in organic orchards, (July (3rd Quarter/Summer) 2018), USU Extension.

Late season raspberry production in high tunnels: varieties, (June 2018), USU Extension.

High Tunnel Blackberry Production for Northern Utah, (March 2018), USU Extension.

Training and pruning peach trees, (February 13, 2018), USU Extension.

Cardon, Grant E

Cover crops for Utah, (2018), Utah State University Extension.

Successfully inter-seeding legumes into existing cool-season pastures, (2018), Utah State University Extension.

Strategies for managing soil fertility and health in organic orchards, (July (3rd Quarter/Summer) 2018), USU Extension.

Creech, Joseph Earl

Cover crops for Utah, (2018), Utah State University Extension.

Successfully inter-seeding legumes into existing cool-season pastures, (2018), Utah State University Extension.

Curtis, Kynda

Estimating Market Size and Price for Fresh Produce Sales, (December 2018), USU Extension.

Fresh Produce Direct Market Sales Considerations, (December 2018), USU Extension.

Labeling and Product Characteristic Preferences of Organic Food Buyers, (December 2018), USU Extension.

Premium Potential for Organic Wheat Products, (December 2018), USU Extension.

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Who are Organic Wheat Consumers?, (December 2018), USU Extension.

**Durward, Carrie Margaret**

Ensuring Adequate Vitamin D Intake Among Infants and Children, (October (4th Quarter/Autumn) 2018).


Dairy In Your Child's Diet!, (July (3rd Quarter/Summer) 2018).

Fresh and Easy: How to Make Homemade Baby Food, (July (3rd Quarter/Summer) 2018).

Helpful Hints for Picky Eaters, (April (2nd Quarter/Spring) 2018).


Smoothies—Helpful or Harmful?, (February 2018).

How to Nourish Mom and Baby Alike: Nutrition During Pregnancy, (February 2018).

**Garcia, Matthew D**


Utilizing EPD's as a Selection Tool in Beef Cattle, (August 2018).

**Hoopes, Karl H**

Caring for Horses in Cold Weather, (January (1st Quarter/Winter) 2018), USU Extension, 4.

**Kopp, Kelly L**

Northern Utah Turfgrass Management Calendar, (January (1st Quarter/Winter) 2018).

Southwest Utah Turfgrass Management Calendar, (January (1st Quarter/Winter) 2018), Utah State University Extension.

Southeast Utah Turfgrass Management Calendar, (January (1st Quarter/Winter) 2018), Utah State University Extension.

St. George Area, Utah Turfgrass Management Calendar, (January (1st Quarter/Winter) 2018), Utah State University Extension.

**Larsen, Ryan A**

Size and Scope of Box Elder County Agriculture 2018, (December 2018).

**MacAdam, Jennifer W**

Rocky Mountain Trefoil Beef, (September 2018), Utah State University.

Alternative Legume Species Can Reduce the Environmental Impacts of Cattle, (June 2018), Utah State University.
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Norris, Natalie Lynn


Nummer, Brian A

Sous vide cooking: Time and temperature for food safety, (July (3rd Quarter/Summer) 2018).

Ransom, Corey Verlin

Strategies for managing soil fertility and health in organic orchards, (July (3rd Quarter/Summer) 2018), USU Extension.

Reeve, Jennifer Rose

Cover crops for Utah, (2018), Utah State University Extension.

Rood, Kerry A


Environmental and Animal Benefits when Beef Cattle Consume Condensed and Hydrolysable Tannins, (May 2018), Utah State University.

Roper, Teryl R

When are apples ripe?, (May 2018), USU Extension.

Rupp, Larry A

High Tunnel Cut Flower Peonies in Utah, (October (4th Quarter/Autumn) 2018), USU Extension.

10 low-water ornamental grasses ideal for water-efficient landscapes in Eagle Mountain, Utah, (May 2018), USU Extension.

10 low-water perennials ideal for water-efficient landscapes in Eagle Mountain, Utah, (May 2018), USU Extension.

10 low-water shrubs ideal for water-efficient landscapes in Eagle Mountain, Utah, (May 2018), USU Extension.

10 low-water trees ideal for water-efficient landscapes in Eagle Mountain, Utah, (May 2018), USU Extension.

Landscape Plants for Eagle Mountain, Utah, (May 2018), USU Extension.

Landscaping in Dry Shade - 15 Great Landscape Plants for Dry Shady Areas, (March 2018), USU Digital Commons/All Current Publications.

Savoie Roskos, Mateja Renee

Substance Use Disorder Stigma: What it is and how you can prevent it, (March 2019).
Ensuring Adequate Vitamin D Intake Among Infants and Children, (October (4th Quarter/Autumn) 2018).


Dairy In Your Child's Diet!, (July (3rd Quarter/Summer) 2018).

Fresh and Easy: How to Make Homemade Baby Food, (July (3rd Quarter/Summer) 2018).


Helpful Hints for Picky Eaters, (April (2nd Quarter/Spring) 2018).


How to Nourish Mom and Baby Alike: Nutrition During Pregnancy, (February 2018).

Wilson, David J

Is Mycoplasma bovis in sand bedding infectious to dairy calves?, (October (4th Quarter/Autumn) 16, 2018), Utah State University.

Yost, Matt A

Cover crops for Utah, (2018), Utah State University Extension.

Guide/Manual-Extension

Allen, Karin E


Drost, Daniel Thomas


Journal Article, Academic Journal

Akhundjanov, Sherzod


Bastarrachea, Luis J

Antimicrobial polymer coatings with efficacy against pathogenic and spoilage microorganisms, (2018), LWT - Food Science and Technology, 97, 546 - 554.

Novel sanitization approach based on synergistic action of UV-A light and benzoic acid: Inactivation mechanism and a potential application in washing fresh produce, (2018), Food Microbiology, 72, 39 - 54.

Photoirradiated caffeic acid as an antimicrobial treatment for fresh produce, (2018), FEMS Microbiology Letters, 365, fny132.

Inactivation of Escherichia Coli O157:H7 and Listeria Innocua by Benzoic Acid, Ethylenediaminetetraacetic Acid and Their Combination in Model Wash Water and Simulated Spinach Washing, (February 28, 2018), Journal of Food Science, n/a--n/a.

Batistel, Fernanda

Methionine and choline supply alter transmethylation, transsulfuration, and cytidine 5'-diphosphocholine pathways to different extents in isolated primary liver cells from dairy cows, (December 1, 2018), Journal of dairy science, 101, 11384-11395.

Maternal supply of methionine during late-pregnancy enhances rate of Holstein calf development in utero and postnatal growth to a greater extent than colostrum source, (November 23, 2018), Journal of animal science and biotechnology, 9, 83.


Methionine supply alters mammary gland antioxidant gene networks via phosphorylation of nuclear factor erythroid 2-like 2 (NFE2L2) protein in dairy cows during the periparturient period, (September 1, 2018), Journal of dairy science, 101, 8505-8512.

Benninghoff, Abby

Mapping of Dynamic Transcriptome Changes Associated with Silica-Triggered Autoimmune Pathogenesis in the Lupus-Prone NZBWF1 Mouse, (March 8, 2019), Frontiers in Immunology.

The maternal-to-zygotic transition in bovine in vitro-fertilized embryos is associated with marked changes in small non-coding RNAs, (February 2019), Biology of Reproduction, 100, 331-350.

Dietary Docosahexaenoic Acid Prevents Silica-Induced Development of Pulmonary Ectopic Germinal Centers and Glomerulonephritis in the Lupus-Prone NZBWF1 Mouse, (August 2018), Frontiers in Immunology, 9, article 2002.


Modeling the Western diet for pre-clinical investigations, (April (2nd Quarter/Spring) 2018), Advances in Nutrition, 9, 263-271.
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Sorensen, Tyson Joel

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Davies, Chris

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Charlton, Rebecca Dawn


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Development, implementation, and evaluation of the FIT Game program, Funded, $32,000.00, (May 2016 - April 2018).


Allen, Karin E

Enhancing Specialty Food Product Producers Sourcing Local Produce for Products, Funded, $20,191.00, (October 2018 - September 2021).

Extension Food Safety Modernization Act Educator Position, Funded, $602,987.00, (June 1, 2017 - June 30, 2021).

Utah Hunger Relief Food Preservation Pilot Project, Funded, $29,835.00, (April 1, 2018 - December 31, 2019).

Food safety of low acid canning in electric programmable pressure cookers, Funded, $8,400.00, (May 2018 - April 2019).

Cottage Foods & Small Business Workshop, Funded, $10,400.00, (October 2016 - September 2018).

Anderson, David T

Classroom Improvement Fund, Funded, $6,058.00, (July 1, 2018 - June 30, 2019).

Professional Development Grant, Funded, $2,000.00, (July 1, 2018 - June 30, 2019).


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Implementing Water Conservation Strategies in Eagle Mountain City, Funded, $96,663.00, (September 30, 2016 - February 28, 2018).

Baldwin, Thomas J

Collaborative diagnostic methods to enhance capabilities of early career rural veterinary practitioners, Funded, $236,619.00, (September 1, 2016 - August 31, 2019).

Foreign animal disease surveillance by the UVDL, National Animal Health Laboratory Network (NAHLN), Funded, $137,000.00, (July 1, 2018 - June 30, 2019).

Beard, F. Richard

Pesticide Safety Education Program, Funded, $23,100.00, (January 1, 2018 - December 31, 2018).

Benninghoff, Abby

American Heart Association Pre-Doctoral Fellowship - Tatiana Soboleva, Funded, $53,688.00, (July 1, 2018 - June 30, 2020).


CUTHBERT_DNA methylation and microRNA expression in bovine somatic cell nuclear transfer embryos, Funded, $94,347.00, (March 2018 - February 2020).

Gene specific histone acetylation and DNA methylation changes in ScNT embryos, Funded, $480,000.00, (May 2017 - April 2019).

Galahad cell culture studies, Funded, $12,210.00, (December 2017 - November 2018).


Black, Brent L


Using Weather Data to Predict Orchard Crop Development, Funded, $49,012.00, (December 2018 - October 2021).

Accelerating the Development, Evaluation, and Adoption of new Apple Rootstock Technologies to Improve Apple Growers Profitability and Sustainability, Funded, $4,281,618.00, (September 1, 2016 - August 31, 2021).

Measurement of fruit tree water status based on the ratio of sap velocity to evaporative demand, Funded, $68,942.00, (April 2018 - October 2020).

Risk Management Education for Small Specialty Crop Producers and Under-served Farmers, Funded, $190,115.00, (October 1, 2018 - March 30, 2020).

PRECISION IRRIGATION FOR HIGH VALUE FRUIT PRODUCTION, Funded, $39,222.00, (April 2018 - October 2019).
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Exploring Cut Flower Production as a Diversification Opportunity for Utah Small-Acreage Specialty Crop Producers, Funded, $32,328.00, (October 1, 2017 - September 30, 2019).

Legume understory management for supporting soil fertility, tree growth and yield, part 2, Funded, $9,680.00, (October 1, 2016 - September 30, 2019).

Reviving Native American peach production as a high value crop for the desert southwest, Funded, $28,454.00, (November 2016 - October 2018).

Targeted Risk Management for Small Specialty Crop Producers and Underserved Farmers, Funded, $166,156.00, (September 29, 2017 - September 29, 2018).


Community Orchards along the Wasatch, Funded, $17,000.00, (August 2016 - January 2018).

Bugbee, Bruce G

Measurement of fruit tree water status based on the ratio of sap velocity to evaporative demand, Funded, $68,942.00, (April 2018 - October 2020).

Caplan, Arthur Josef

Scenario Analysis of Ecosystem Services of Agricultural Land along the Wasatch Front, Utah, Funded, $60,000.00, (July 1, 2018 - June 30, 2020).

Tannin-Containing Legumes In Pasturelands And Their Ecological Services, Funded, $500,000.00, (January 1, 2016 - December 30, 2019).

Co-adaptation of a large carnivore and human society across a dynamic wildland-rural-urban interface, Funded, $35,000.00, (July 1, 2017 - June 30, 2018).

Cardon, Grant E

Accelerating the Development, Evaluation, and Adoption of new Apple Rootstock Technologies to Improve Apple Growers Profitability and Sustainability, Funded, $4,281,618.00, (September 1, 2016 - August 31, 2021).

Nitrogen needs of small grains following alfalfa, Funded, $36,093.00, (June 2018 - June 2021).

Managing small grains after alfalfa for water savings, Funded, $36,093.00, (2018 - 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (2018 - 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (March 2018 - June 2020).

Developing a website for the USU Extension agronomy program, Funded, $10,000.00, (March 2018 - December 2019).

Water Conservation In-service Training, Funded, $17,420.00, (March 2018 - 2019).

Bridger Park Community Garden - Drip Irrigation System, Funded, $9,000.00, (2018 - 2019).
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College of Agriculture and Applied Sciences

Precision Irrigation for High Value Fruit Production, Funded, $39,222.00, (April 2018 - October 2019).

Salinity and Crop Monitoring, Funded, $32,012.43, (April 1, 2018 - March 31, 2019).

Coordination of the North America Proficiency Testing Program, Funded, $50,000.00, (January 1, 2018 - December 31, 2018).

Reviving Native American peach production as a high value crop for the desert southwest, Funded, $28,454.00, (November 2016 - October 2018).

Nitrogen (N) fertilizer needs of first- and second-year corn grown after alfalfa, Funded, $61,276.23, (July 1, 2016 - April 30, 2018).


Carpenter, Charles E

RGS Graduate Assistantship-Matching, Funded, $170,000.00, (August 2014 - May 2018).

Chamberlain, Brent Charles

Scenario Analysis of Ecosystem Services of Agricultural Land along the Wasatch Front, Utah, Funded, $60,000.00, (July 1, 2018 - June 30, 2020).

Chikamoto, Yoshimitsu

Synthesizing drought characteristics prediction to inform drought resiliency decisions from days to years, Funded, $199,998.00, (November 1, 2017 - October 31, 2019).

Cho, Clara Euna

Effect of choline source and gut microbiota on trimethylamine-N-oxide response in humans, Funded, $80,000.00, (May 2017 - April 2019).

Simultaneous metabolic quantification to improve mechanistic understanding of nutrient function and efficacy, Funded, $44,345.00, (January 2018 - January 2019).


SPARC: Mathematical Modeling of Gut Microbial Interactions and Trimethylamine Production, Funded, $35,000.00, (June 1, 2017 - May 31, 2018).

Christensen, Keith M

Transportation Access and Individuals with Disabilities' Community Integration, Funded, $80,000.00, (June 1, 2017 - June 30, 2019).

Evaluation of Transit System Accessibility for Individuals with Disabilities, Funded, $40,000.00, (September 2017 - May 2019).

Coulombe, Roger A

Fulbright-Saastamoinen Distinguished Chair in Health Sciences, Funded, $50,000.00, (September 1, 2018 - October 1, 2019).

Determining the Health Risks Associated with Particulate Air Pollution - For a Healthier Utah, Funded, $60,508.26, (April 1, 2018 - April 1, 2019).

Functional Genomics to Enhance Aflatoxin Resistance in Poultry, Funded, $499,822.00, (July 1, 2013 - June 30, 2018).

Determining the Health Risks Associated with Particulate Air Pollution - For a Healthier Utah, Funded, $40,000.00, (March 21, 2017 - March 22, 2018).

Creech, Joseph Earl

Optimizing Water Use in Agriculture by Stacking Conservation Practices, Funded, $600,000.00, (December 2018 - December 2021).

Optimizing Water Use in Agriculture by Stacking Conservation Practices, Funded, $40,000.00, (July 2018 - June 2021).

Optimizing Water Use in Agriculture by Stacking Conservation Practices, Funded, $600,000.00, (July 2018 - June 2021).

Nitrogen needs of small grains following alfalfa, Funded, $36,093.00, (June 2018 - June 2021).

Managing small grains after alfalfa for water savings, Funded, $36,093.00, (2018 - 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (2018 - 2020).

Testing Irrigation Strategies to Stretch Limited Water Supplies, Funded, $75,000.00, (August 29, 2018 - September 2020).

Developing Alfalfa Varieties for High Salinity Production Systems, Funded, $300,000.00, (September 2018 - August 2020).

Economic and environmental sustainability of heifer development strategies in pasture-based organic dairy systems, Funded, $999,404.00, (September 2017 - August 2020).

Breeding and agronomy of quinoa for organic farming systems, Funded, $1,999,950.00, (September 2016 - August 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (March 2018 - June 2020).

Developing a website for the USU Extension agronomy program, Funded, $10,000.00, (March 2018 - December 2019).

Water Conservation In-service Training, Funded, $17,420.00, (March 2018 - 2019).

Weed Management Needs Assessment Survey for Utah, Funded, $10,000.00, (March 2018 - December 2019).
Drilling into Irrigation Surveys to Understand Local Water Conservation Research and Education Needs, Funded, $15,041.00, (March 2018 - December 2019).

Novel Solutions for Conserving Water in Utah Agriculture, Funded, $70,823.00, (April 2018 - October 2019).

Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S., Funded, $214,123.00, (September 2017 - August 2019).

Compost carryover and cover crop effects on soil quality, profitability and cultivar selection in organic dryland wheat., Funded, $1,555,053.00, (September 1, 2014 - August 31, 2019).

Management options for safflower and flax, Funded, $15,020.00, (April 2018 - April 2019).

An integrated weed management approach for controlling kochia in wheat using physical and cultural tactics, Funded, $30,000.00, (March 1, 2018 - February 28, 2019).

Unrestricted gifts to support agronomic research and Extension, Funded, $91,132.00, (January 2018 - December 2018).


Weed Control Options for Dormant and Spring-Seeded Safflower, Funded, $8,287.00, (April 18, 2017 - December 1, 2018).

Economic and environmental sustainability of heifer development strategies in pasture-based dairy systems, Funded, $70,000.00, (May 1, 2016 - June 30, 2018).

Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S., Funded, $15,064.00, (June 2017 - May 2018).

Interseeding legumes in established grass pasture and determining forage nutritive value of grass-legume mixed pastures, Funded, $7,344.00, (June 2017 - May 2018).

Weed Control Options for Dormant and Spring-Seeded Safflower, Funded, $8,287.00, (April 18, 2017 - May 1, 2018).

Nitrogen (N) fertilizer needs of first- and second-year corn grown after alfalfa, Funded, $61,276.23, (July 1, 2016 - April 30, 2018).

Curtis, Kynda

Expanding Farming and Marketing Opportunities for Refugee and Native Americans in the Mountain West, Funded, $700,000.00, (October 1, 2017 - September 30, 2020).

Enhancing Climate Resiliency and Agriculture on American Indian Lands of the Great Basin Region, Funded, $4,500,000.00, (July 2015 - June 2020).

Risk Management Education for Small Specialty Crop Producers and Under-served Farmers, Funded, $190,115.00, (October 1, 2018 - March 30, 2020).

Compost carryover and cover crop effects on soil quality, profitability and cultivar selection in organic dryland wheat, Funded, $1,555,053.00, (September 1, 2014 - August 31, 2019).
Enhancing Direct Market Fresh Produce Sales through Multi-Market Pricing Comparisons, Funded, $49,431.00, (April 1, 2017 - September 30, 2018).

Targeted Risk Management for Small Specialty Crop Producers and Underserved Farmers, Funded, $166,156.00, (September 29, 2017 - September 29, 2018).

**Davies, Chris**

Host factors involved in porcine reproductive and respiratory syndrome virus entry, Funded, $499,892.00, (June 1, 2018 - May 31, 2021).

A novel type I interferon receptor knockout sheep model for the study of viral infection and ruminant reproduction, Funded, $69,711.00, (July 1, 2018 - June 30, 2020).

Summer Research Internships in Agricultural Biotechnology for Off-Campus Undergraduate Students, Funded, $274,503.00, (March 15, 2016 - March 14, 2020).

Differential Expression of Circulating and Placental MicroRNAs in Cloned Ovine and Bovine Pregnancies, Funded, $46,000.00, (May 1, 2016 - April 30, 2019).

2018 UAES Equipment Grant, Funded, $8,125.00, (July 1, 2018 - December 31, 2018).

2018 UAES Equipment Grant, Funded, $5,716.00, (July 1, 2018 - December 31, 2018).


Preclinical Study of Zika Vaccine Candidates in Animals, Funded, $349,936.00, (January 1, 2017 - December 31, 2018).

The Relationship Between HLA Genes, Mid-Gestational Immune Activation and Intelligence in Autism, Funded, $35,000.00, (January 1, 2017 - May 1, 2018).

**Day, Craig W**

Task order B27: Comprehensive Virus Screening Panel, Funded, $384,209.00, (September 16, 2017 - September 15, 2018).

**Delgadillo, Lucy Marina**

Money biases and money scripts among Millennials, Funded, $85,000.00, (July 1, 2017 - June 30, 2022).

Financial Literacy, Funded, $20,000.00, (July 1, 2018 - June 30, 2019).


**Drost, Daniel Thomas**

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Risk Management Education for Small Specialty Crop Producers and Under-served Farmers, Funded, $190,115.00, (October 1, 2018 - March 30, 2020).

Exploring Cut Flower Production as a Diversification Opportunity for Utah Small-Acreage Specialty Crop Producers, Funded, $32,328.00, (October 1, 2017 - September 30, 2019).

Targeted Risk Management for Small Specialty Crop Producers and Underserved Farmers, Funded, $166,156.00, (September 29, 2017 - September 29, 2018).

Durward, Carrie Margaret


Utah Hunger Relief Food Preservation Pilot Project, Funded, $29,835.00, (April 1, 2018 - December 31, 2019).

Multi-Disciplinary Methods for Effective, Sustainable, and Scalable Evaluations of Nutrition Education Programs, Funded, $1,000,000.00, (January 2016 - January 2019).

Enhancing Direct Market Fresh Produce Sales through Multi-Market Pricing Comparisons, Funded, $49,431.00, (April 1, 2017 - September 30, 2018).

Evans, David Thomas

Developing a Recreational Brand Identity: Opportunities in Centerville's Parks Master Plan, Funded, $15,000.00, (September 1, 2018 - June 30, 2019).

Feuz, Dillon M

Economic and environmental sustainability of heifer development strategies in pasture-based organic dairy systems, Funded, $999,404.00, (September 2017 - August 2020).

Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S., Funded, $214,123.00, (September 2017 - August 2019).

Frazier, Curtis G

Howard Hughes Inclusive Excellence Program, Funded, $1,000,000.00, (October 2018 - January 2024).

AIS/4H STEM Camps for Native American Youth, Funded, $10,000.00, (May 2017 - December 2018).

Garcia, Matthew D

Establishing a protocol for receiving cattle that are at-risk of having a mineral deficiency, Funded, $206,208.00, (June 2018 - May 2021).

Evaluating Bull Breeding Efficiency and Movement, Funded, $30,000.00, (April 1, 2018 - March 30, 2020).
Identification of Genetic Defects in Utah Commercial Market Hogs, Funded, $12,000.00, (April 1, 2018 - March 30, 2019).

Educating Beef Producers to be Advocates for the Beef Industry, Funded, $24,000.00, (March 2017 - December 31, 2018).

George, Benjamin Hollis

Using 360 Degree Video and Virtual Reality to Teach History, Funded, $4,124.00, (June 2018 - June 2019).

Intel Virtual Reality Research Support, Funded, $22,000.00, (June 2018 - December 2018).

Intel Virtual Reality Research Support, Funded, $30,000.00, (June 2017 - June 2018).

Gillies, Robert

Installation and Maintenance of Weather Stations in Eagle Mountain City, Funded, $36,408.00, (June 2017 - June 2022).

Synthesizing drought characteristics prediction to inform drought resiliency decisions from days to years, Funded, $199,998.00, (November 1, 2017 - October 31, 2019).


Gowen, Brian B

Host factors involved in porcine reproductive and respiratory syndrome virus entry, Funded, $499,892.00, (June 1, 2018 - May 31, 2021).


(Task A09) Mouse Models for Evaluation of Therapeutics Against Human Seasonal Influenza and Avian Influenza Strains with Pandemic Potentials, Funded, $584,266.00, (December 8, 2017 - December 7, 2018).

Task order B27: Comprehensive Virus Screening Panel, Funded, $384,209.00, (September 16, 2017 - September 15, 2018).

Grossl, Paul R

Reclamation of Disturbed Arid Land Soil, Funded, $125,000.00, (September 1, 2016 - August 31, 2021).

Hall, Jeffery O

Investigation of Rumen-Protected Amino Acids to Lactating Dairy Cows, Funded, $408,000.00, (January 2016 - July 2018).

Hall, Kelsey

Engaging Educational Professionals Towards Training The Next Generation Within The Food, Agricultural, and Natural Resources Career Areas, Funded, $144,138.00, (October 1, 2016 - September 30, 2019).

**Hintze, Korry J**

Understanding the Increased Omega-3 Fatty Acid Concentration in Legume-Fed Beef, Funded, $20,000.00, (May 1, 2018 - April 30, 2020).


**Hipps, Lawrence E**

Eddy Covariance Network to Measure ET of Irrigated Agriculture, Funded, $645,627.00, (September 13, 2016 - July 31, 2021).

Monitoring Vineyard Water Use and Vine Water Status with Land Surface Temperature for Improved and Sustainable Water Management from Field to Regional Scales, Funded, $1,347,823.00, (January 1, 2017 - November 30, 2019).


**Hole, David Jay**

Compost carryover and cover crop effects on soil quality, profitability and cultivar selection in organic dryland wheat, Funded, $1,555,053.00, (September 1, 2014 - August 31, 2019).

**Hurst, Brett L**

(Task A16) Mouse Model Development for Enteroviruses EV-D68 and EV-71 for Therapeutics, Funded, $1,092,326.00, (August 27, 2018 - August 26, 2021).

(Task A22) Mouse models for evaluation of influenza vaccines and vaccination strategies, Funded, $719,044.00, (September 17, 2018 - March 16, 2021).

Evaluation of Influenza Virus Vaccines, Funded, $205,540.00, (July 12, 2018 - December 31, 2018).

**Isom, Stephen Clay**

Economic and environmental sustainability of heifer development strategies in pasture-based organic dairy systems, Funded, $999,404.00, (September 2017 - August 2020).

Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S., Funded, $214,123.00, (September 2017 - August 2019).
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Economic and environmental sustainability of heifer development strategies in pasture-based dairy systems, Funded, $70,000.00, (May 1, 2016 - June 30, 2018).

**Jacobson, Astrid Rosa**


Nanoparticles prime crop defenses for abiotic stress, Funded, $450,200.00, (June 1, 2017 - May 31, 2020).

Compost carryover and cover crop effects on soil quality, profitability and cultivar selection in organic dryland wheat, Funded, $1,555,053.00, (September 1, 2014 - August 31, 2019).

**Jakus, Paul Mark**


**Johnson, Paul G.**

Utah State Legislature Extension Water Conservation Initiative - CWEL Portion, Funded, $280,000.00, (July 2016 - 2066).

Installation and Maintenance of Weather Stations in Eagle Mountain City, Funded, $36,408.00, (June 2017 - June 2022).

National Perennial Ryegrass Test Standard, Funded, $7,500.00, (February 17, 2017 - June 1, 2022).

National Perennial Ryegrass Test-Ancillary drought trial, Funded, $7,500.00, (February 17, 2017 - June 1, 2022).

National Low-Input Cool-season test, Funded, $5,000.00, (December 1, 2015 - November 30, 2021).

National Cool-season water use and Drought Resistance test, Funded, $43,020.00, (May 1, 2017 - June 1, 2021).


2014 National Bentgrass Fairway/Tee test, Funded, $6,000.00, (April 1, 2015 - September 1, 2020).

2014 National Bentgrass Putting Green Drought Test, Funded, $8,000.00, (April 1, 2015 - September 1, 2020).

2014 National Bentgrass Putting Test, Funded, $8,000.00, (April 1, 2015 - September 1, 2020).

Landscape Lysimeter Renovation to Quantify Plant Water Use, Funded, $31,695.00, (September 1, 2018 - August 31, 2020).
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Phase II - Implementing Water Conservation Strategies in Eagle Mountain City, Utah, Funded, $77,304.00, (February 2018 - February 2020).

USU Extension Water Check Program expansion: Web-based tool development and tablet-based app customization, Funded, $37,958.00, (June 2017 - December 2018).

Implementing Water Conservation Strategies in Eagle Mountain City, Funded, $96,663.00, (September 30, 2016 - February 28, 2018).

**Johnson, Todd Donald**

Layton Futures Planning and Design, Funded, $25,000.00, (September 1, 2018 - June 15, 2019).

“Ogden City: Reinventing the Railyard, merging West and East” ($21,500.), Funded, $21,500.00, (December 2018 - May 2019).

“City of Pocatello and the Portneuf River” ($22,000.00), Funded, $22,000.00, (October 2017 - May 2018).

**Jones, Scott B**

Synthesizing drought characteristics prediction to inform drought resiliency decisions from days to years, Funded, $199,998.00, (November 1, 2017 - October 31, 2019).

Linking nitrification to microbial community in agroecosystems under changing climate, Funded, $150,000.00, (March 19, 2016 - March 19, 2019).


Creative 3D Plant Optimization (C3PO) System, Funded, $19,233.00, (August 1, 2017 - June 30, 2018).

Developing High-Resolution Root-Zone Soil Moisture Products from Optical Satellite Images, Funded, $20,000.00, (July 2017 - June 2018).

**Julander, Justin G**

Development of Benzodiazepine YFV NS4B inhibitors as therapeutic agents for yellow fever, Funded, $723,640.00, (May 1, 2018 - April 30, 2023).


(Task A09) Mouse Models for Evaluation of Therapeutics Against Human Seasonal Influenza and Avian Influenza Strains with Pandemic Potentials, Funded, $584,266.00, (December 8, 2017 - December 7, 2018).
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HHSN272201500008C Targeting Therapeutics Development to Relieve Bottlenecks: Optimizing Lead Therapeutic Compounds Against Infectious Pathogens, Funded, $1,085,529.00, (October 5, 2015 - October 4, 2018).

Task order B27: Comprehensive Virus Screening Panel, Funded, $384,209.00, (September 16, 2017 - September 15, 2018).


Kim, Man-Keun

Scenario Analysis of Ecosystem Services of Agricultural Land along the Wasatch Front, Utah, Funded, $60,000.00, (July 1, 2018 - June 30, 2020).

Legume-Finished Beef: Achieving Current Production with Greater Environmental, Economic and Social Sustainability, Funded, $150,000.00, (January 1, 2016 - December 30, 2019).

Tannin-Containing Legumes In Pasturelands And Their Ecological Services, Funded, $500,000.00, (January 1, 2016 - December 30, 2019).


Kopp, Kelly L

Utah State Legislature Extension Water Conservation Initiative - CWEL Portion, Funded, $280,000.00, (July 2016 - 2066).

Installation and Maintenance of Weather Stations in Eagle Mountain City, Funded, $36,408.00, (June 2017 - June 2022).


Landscape Lysimeter Renovation to Quantify Plant Water Use, Funded, $31,695.00, (September 1, 2018 - August 31, 2020).


Phase II - Implementing Water Conservation Strategies in Eagle Mountain City, Utah, Funded, $77,304.00, (February 2018 - February 2020).

Bridger Park Community Garden - Drip Irrigation System, Funded, $9,000.00, (2018 - 2019).

Metropolitan Water District of Salt Lake and Sandy Landscape Water Check Program (2018), Funded, $59,754.00, (February 1, 2018 - January 31, 2019).

USU Extension Water Check Program expansion: Web-based tool development and tablet-based app customization, Funded, $37,958.00, (June 2017 - December 2018).

Identifying and Meeting Salt Lake City’s Landscape Water Conservation Potential, Funded, $96,120.00, (July 2017 - December 2018).
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Effect of “Drought Tolerant” Labeling on Consumers’ Preferences and Willingness to Pay for Nursery Crops, Funded, $17,850.00, (January 2016 - September 2018).


Implementing Water Conservation Strategies in Eagle Mountain City, Funded, $96,663.00, (September 30, 2016 - February 28, 2018).

Koven, Mark

ARTsySTEM: Integrating the Arts and Sciences to create public art and engage community, Funded, $101,821.00, (January 1, 2018 - December 31, 2019).

Larsen, Ryan A

Nitrogen needs of small grains following alfalfa, Funded, $36,093.00, (June 2018 - June 2021).

Managing small grains after alfalfa for water savings, Funded, $36,093.00, (2018 - 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (2018 - 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (March 2018 - June 2020).

Managing Risk on Utah’s Farms and Ranches, Funded, $80,381.44, (October 1, 2018 - March 31, 2020).

Evaluating Bull Breeding Efficiency and Movement, Funded, $30,000.00, (April 1, 2018 - March 30, 2020).

Developing a website for the USU Extension agronomy program, Funded, $10,000.00, (March 2018 - December 2019).

UNL Farm Business Management Benchmarking Collaboration, Funded, $428,272.00, (September 1, 2018 - July 31, 2019).


Livestock Insurance Decision Tools for Utah Farmers and Ranchers, Funded, $61,971.00, (October 1, 2017 - September 30, 2018).

Northern Plains Regional Farm Business Management and Benchmarking Partnership, Funded, $454,090.00, (September 1, 2017 - July 31, 2018).

Production Budgets for Utah Farmers and Ranchers: A tool for risk management, Funded, $19,164.00, (April 1, 2017 - July 31, 2018).

Lavoie, Caroline

“Ogden City: Reinventing the Railyard, merging West and East” ($21,500.00), Funded, $21,500.00, (December 2018 - May 2019).

“Centennial Park and Portneuf River Pocatello” ($8,000.00), Funded, $8,000.00, (January 2018 - May 2018).
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“City of Pocatello and the Portneuf River” ($22,000.00), Funded, $22,000.00, (October 2017 - May 2018).

Lawver, Rebecca Grace
Agricultural Safety Education Initiative, Funded, $8,625,894.00, (September 2016 - August 2021).
Utah State Teach Ag Results (STAR) Grant, Funded, $8,000.00, (January 2018 - December 2018).
New Teacher Academy X, Funded, $7,000.00, (July 1, 2017 - June 30, 2018).
Utah Agriculture Teacher Induction Program IX, Funded, $7,000.00, (July 1, 2017 - June 30, 2018).

LeBlanc, Heidi Reese
FNS-SNAP-Ed Program, Funded, $1,421,517.00, (October 1, 2017 - September 30, 2018).
Food Stamp Nutrition Education Program, Funded, $14,676.00, (October 1, 2017 - September 30, 2018).
FY 2018 Duchesne, Uintah, and Daggett Counties SNAP-Ed, Funded, $26,008.00, (October 2017 - September 2018).
Thumbs Up For Healthy Choices, Funded, $7,656.00, (April 2017 - April 2018).

Lee, Young-Min
Host factors involved in porcine reproductive and respiratory syndrome virus entry, Funded, $499,892.00, (June 1, 2018 - May 31, 2021).
A novel type I interferon receptor knockout sheep model for the study of viral infection and ruminant reproduction, Funded, $69,711.00, (July 1, 2018 - June 30, 2020).
2018 UAES Equipment Grant, Funded, $8,125.00, (July 1, 2018 - December 31, 2018).
2018 UAES Equipment Grant, Funded, $5,716.00, (July 1, 2018 - December 31, 2018).
Preclinical Study of Zika Vaccine Candidates in Animals, Funded, $349,936.00, (January 1, 2017 - December 31, 2018).
Rapid development of a Zika virus vaccine for the prevention of perinatal transmission, Funded, $46,750.00, (January 15, 2017 - January 15, 2018).

Lefevre, Michael
Epidemiology of Alzheimer’s Disease resilience and risk pedigrees, Funded, $1,067,869.00, (September 1, 2016 - August 31, 2021).
Effect of choline source and gut microbiota on trimethylamine-N-oxide response in humans, Funded, $80,000.00, (May 2017 - April 2019).
Licon, Carlos

East Zion Gateway Corridor Design, Funded, $15,309.09, (November 2, 2018 - November 1, 2019).

Community Orchards along the Wasatch, Funded, $17,000.00, (August 2016 - January 2018).

MacAdam, Jennifer W

Scenario Analysis of Ecosystem Services of Agricultural Land along the Wasatch Front, Utah, Funded, $60,000.00, (July 1, 2018 - June 30, 2020).

Understanding the Increased Omega-3 Fatty Acid Concentration in Legume-Fed Beef, Funded, $20,000.00, (May 1, 2018 - April 30, 2020).

Legume-Finished Beef: Achieving Current Production with Greater Environmental, Economic and Social Sustainability, Funded, $150,000.00, (January 1, 2016 - December 30, 2019).

Tannin-Containing Legumes In Pasturelands And Their Ecological Services, Funded, $500,000.00, (January 1, 2016 - December 30, 2019).


Utilizing tanning-containing forages and Holos software for sustainable beef production in the Intermountain West, Funded, $20,202.87, (July 1, 2018 - June 30, 2019).

Microbial carbon-use efficiency in agroecosystems: The effect of drought and N availability on soil microbial production and respiration, Funded, $714,080.00, (January 1, 2016 - February 14, 2019).


Martini, Silvana


Understanding bubble dynamics in sonicated edible lipids to improve their physiochemical properties, Funded, $454,404.00, (2017 - 2020).

Incorporation of high intensity ultrasound to a scraped surface heat exchanger, Funded, $271,331.00, (2018 - 2019).

Aggie Chocolate Factory: Learning and Research Center, Funded, $233,000.00, (2017 - 2019).

Student stipend and support for research projects conducted by graduate students in the BUILD Dairy program of the Western Dairy Center, Funded, $651,051.00, (January 2016 - December 2018).
Improving the microbial quality of milk by combining a novel technology, ultrasound, with pasteurization, Funded, $297,452.00, (December 2015 - December 2018).

Modification of butter physical properties using high intensity ultrasound, Funded, $10,000.00, (2015 - 2018).

RGS Graduate Assistantship-Matching, Funded, $170,000.00, (August 2014 - May 2018).

**Mason, Jeffrey**

Rapid development of a Zika virus vaccine for the prevention of perinatal transmission, Funded, $46,750.00, (January 15, 2017 - January 15, 2018).

**Matarneh, Sulaiman K**

Equipment grant, Funded, $11,700.00, (March 2018 - May 2018).

**Mathis, Patricia W**

Food safety of low acid canning in electric programmable pressure cookers, Funded, $8,400.00, (May 2018 - April 2019).

**McMahon, Donald J.**

Strain specific identification of starter and nonstarter lactic acid bacteria in cheese, Funded, $149,000.00, (July 1, 2018 - June 30, 2020).

Specialized Services Agreement between USU and Leprino Foods, Funded, $420,520.00, (July 1, 2017 - June 30, 2020).

Use of flow cytometry to determine the metabolic state of lactococci in cheese, Funded, $106,500.00, (August 1, 2018 - April 30, 2020).

Aggie Chocolate Factory: Learning and Research Center, Funded, $233,000.00, (2017 - 2019).

Student stipend and support for research projects conducted by graduate students in the BUILD Dairy program of the Western Dairy Center, Funded, $651,051.00, (January 2016 - December 2018).

RGS Graduate Assistantship-Matching, Funded, $170,000.00, (August 2014 - May 2018).


**Miller, Rhonda L**

Western SARE Chapter 1 & Chapter 3, Funded, $5,979,759.00, (September 1, 2017 - August 31, 2022).

Agricultural Safety Education Initiative, Funded, $840,000.00, (October 2016 - September 2021).

Western SARE Chapter 1 & Chapter 3, Funded, $5,571,946.00, (September 1, 2016 - August 31, 2021).
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Producer Website & Small Hobby Farm Education, Funded, $23,850.00, (July 1, 2018 - June 30, 2021).

Economic and environmental sustainability of heifer development strategies in pasture-based organic dairy systems, Funded, $999,404.00, (September 2017 - August 2020).

Utah AgrAbility Project 2018-2022, Funded, $180,000.00, (September 2018 - August 2019).

Using grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture systems, Funded, $26,376.00, (July 1, 2018 - June 30, 2019).

Cover Crop Effects on Leachate in Tiled Field Drains in Northern Utah, Funded, $30,000.00, (July 1, 2017 - June 30, 2019).

Cover Crop Effects on Leachate in Tiled Field Drains, Box Elder, UT, Funded, $20,278.00, (July 1, 2017 - June 30, 2019).

Producer Website, Funded, $10,000.00, (July 1, 2017 - June 30, 2019).

Utah AgrAbility Renewal Project, Funded, $780,000.00, (September 2014 - September 2018).

Producer Website, Funded, $10,000.00, (July 1, 2016 - June 30, 2018).

Economic and environmental sustainability of heifer development strategies in pasture-based dairy systems, Funded, $70,000.00, (May 1, 2016 - June 30, 2018).

Morrey, John D.

Human hepatitis B virus (HBV) mouse model for the testing of HBV therapeutics, Funded, $174,249.00, (September 19, 2018 - September 18, 2019).

Mouse models of enteroviruses polio and coxsackie for therapeutics, Funded, $220,204.00, (August 1, 2018 - July 31, 2019).

Small animal models for biodefense viruses, Funded, $2.00, (August 1, 2018 - July 31, 2019).

Pre-clinical models of infectious diseases - adenoviruses, Funded, $2.00, (July 31, 2018 - July 30, 2019).

Rabbit and mouse models for papillomavirus, Funded, $2.00, (July 31, 2018 - July 30, 2019).


(Task A09) Mouse Models for Evaluation of Therapeutics Against Human Seasonal Influenza and Avian Influenza Strains with Pandemic Potentials, Funded, $584,266.00, (December 8, 2017 - December 7, 2018).

Task order B27: Comprehensive Virus Screening Panel, Funded, $384,209.00, (September 16, 2017 - September 15, 2018).

(Task A109) Mouse models for evaluation of influenza vaccines and vaccination strategies, Funded, $266,000.00, (March 17, 2017 - March 16, 2018).
Munger, Ronald G

Epidemiology of Alzheimer’s Disease resilience and risk pedigrees, Funded, $1,067,869.00, (September 1, 2016 - August 31, 2021).

Norton, Jeanette M

Tannin-Containing Legumes In Pasturelands And Their Ecological Services, Funded, $500,000.00, (January 1, 2016 - December 30, 2019).

Utilizing tanning-containing forages and Holos software for sustainable beef production in the Intermountain West, Funded, $20,202.87, (July 1, 2018 - June 30, 2019).

Linking nitrification to microbial community in agroecosystems under changing climate, Funded, $150,000.00, (March 19, 2016 - March 19, 2019).

Microbial carbon-use efficiency in agroecosystems: The effect of drought and N availability on soil microbial production and respiration, Funded, $714,080.00, (January 1, 2016 - February 14, 2019).

Quantifying plant-soil feedback effects in classic diversity-productivity experiments, Funded, $590,000.00, (May 1, 2014 - October 31, 2018).

Nummer, Brian A

Retail-foodservice food safety "gift", Funded, $10,000.00, (December 15, 2017 - December 15, 2019).

Oladi, Reza

Building Utah State's Capabilities in Water, Climate, and the Economy, Funded, $40,000.00, (July 1, 2016 - June 30, 2018).

Olsen, Aaron L

Evaluating the Impact of Heterotrophic Ossification, Funded, $78,988.00, (June 15, 2018 - June 14, 2019).

Bone Ingrowth Sheep Study, Funded, $70,823.00, (June 29, 2018 - March 31, 2019).

Study Evaluating Venous Valve Implants, Funded, $19,237.00, (September 1, 2018 - February 28, 2019).

2018 UAES Equipment Grant, Funded, $8,125.00, (July 1, 2018 - December 31, 2018).


Swine as a model for detection of the misuse of drugs, Funded, $8,866.00, (July 2, 2018 - September 30, 2018).

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Pate, Michael L

Agricultural Safety Education Initiative, Funded, $840,000.00, (October 2016 - September 2021).
Agricultural Safety Education Initiative, Funded, $8,625,894.00, (September 2016 - August 2021).
Utah AgrAbility Renewal Project, Funded, $780,000.00, (September 2014 - September 2018).

Polejaeva, Irina

Development aspects of CF disease investigated in the CFTR-/- sheep model, Funded, $270,000.00, (November 1, 2018 - October 31, 2020).
A novel type I interferon receptor knockout sheep model for the study of viral infection and ruminant reproduction, Funded, $69,711.00, (July 1, 2018 - June 30, 2020).
Generation of otoferlin deficient lambs (OTOF-/-) for gene therapy, Funded, $85,228.00, (April 1, 2018 - June 30, 2019).
Generation of otoferlin deficient lambs (OTOF-/-) for gene therapy, Funded, $85,228.00, (April 1, 2018 - June 30, 2019).
Gene specific histone acetylation and DNA methylation changes in ScNT embryos, Funded, $480,000.00, (May 2017 - April 2019).
Differential Expression of Circulating and Placental MicroRNAs in Cloned Ovine and Bovine Pregnancies, Funded, $46,000.00, (May 1, 2016 - April 30, 2019).
Production and Characterization of Human Immunoglobulin Producing Goats for Diagnostic Reagents and Therapeutics, Funded, $34,674.00, (November 1, 2018 - February 28, 2019).
2018 UAES Equipment Grant, Funded, $8,125.00, (July 1, 2018 - December 31, 2018).
Production and Characterization of Human Immunoglobulin Producing Goats for Diagnostic Reagents and Therapeutics, Funded, $225,000.00, (January 15, 2018 - December 31, 2018).
Preclinical Study of Zika Vaccine Candidates in Animals, Funded, $349,936.00, (January 1, 2017 - December 31, 2018).
Generation of Transchromosomal (Tc) Goats and Production of Human Immunoglobulin Therapeutics and Diagnostic Reagents, Funded, $150,000.00, (February 1, 2017 - January 31, 2018).
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Faculty Achievements and Activities
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Powell, Jake F

Kane County and Kanab Community Trails Master Plan, Funded, $8,406.03, (December 4, 2018 - December 3, 2019).

Pozo, Veronica


Enhancing Direct Market Fresh Produce Sales through Multi-Market Pricing Comparisons, Funded, $49,431.00, (April 1, 2017 - September 30, 2018).

Effect of “Drought Tolerant” Labeling on Consumers’Preferences and Willingness to Pay for Nursery Crops, Funded, $17,850.00, (January 2016 - September 2018).

Ransom, Corey Verlin


Developing a website for the USU Extension agronomy program, Funded, $10,000.00, (March 2018 - December 2019).

Weed Management Needs Assessment Survey for Utah, Funded, $10,000.00, (March 2018 - December 2019).

Indaziflam and Native Plants, Funded, $21,996.76, (September 2017 - December 2019).

Identifying Effective Control and Revegetation Strategies for Heavily Invaded and Degraded Medusahead Sites, Funded, $42,234.00, (July 1, 2018 - June 30, 2019).

Management options for safflower and flax, Funded, $15,020.00, (April 2018 - April 2019).

An integrated weed management approach for controlling kochia in wheat using physical and cultural tactics, Funded, $30,000.00, (March 1, 2018 - February 28, 2019).

Weed Management in Corn and Small Grains, Funded, $4,900.00, (June 2018 - December 2018).

Weed Management in Rangelands, Funded, $8,000.00, (June 2018 - December 2018).

Management of Invasive Annual Grasses in Rangeland, Funded, $8,000.00, (March 2018 - December 2018).

Additives for Weed Control Efficacy, Funded, $1,300.00, (January 2018 - December 2018).

Weed Management Research in Corn, Funded, $2,400.00, (January 2018 - December 2018).

Options for Annual Grass Control in Rangeland, Funded, $4,000.00, (June 2017 - December 2018).

Residual Control of Annual Grasses in Rangeland, Funded, $15,000.00, (June 2017 - December 2018).

Weed Management in Alfalfa and Small Grains, Funded, $9,175.00, (June 2017 - December 2018).

Advancing Knapweed Control in Utah, Funded, $12,723.27, (January 1, 2017 - December 31, 2018).
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Weed Control Options for Dormant and Spring-Seeded Safflower, Funded, $8,287.00, (April 18, 2017 - December 1, 2018).


Weed Control Options for Dormant and Spring-Seeded Safflower, Funded, $8,287.00, (April 18, 2017 - May 1, 2018).

Reeve, Edward M

Improving undergraduate engineering education through student-centered, active and cooperative learning, Funded, $629,980.00, (April 1, 2015 - March 30, 2020).

Special Presenter: Computational Thinking and STEM Education, Funded, $2,500.00, (October 1, 2018 - October 31, 2018).

Special Presenter: STEM/STEAM Education: Essential in Preparing the Next Generation of Learners, Funded, $5,000.00, (September 1, 2018 - September 30, 2018).

Conference Co-Chairperson and Keynote Speaker, Funded, $2,000.00, (May 1, 2018 - May 31, 2018).

Special Presenter: Making STEM Education Integrated, Funded, $3,000.00, (May 1, 2018 - May 20, 2018).

Reeve, Jennifer Rose

Breeding and agronomy of quinoa for organic farming systems, Funded, $1,999,950.00, (September 2016 - August 2020).

Scenario Analysis of Ecosystem Services of Agricultural Land along the Wasatch Front, Utah, Funded, $60,000.00, (July 1, 2018 - June 30, 2020).

Tannin-Containing Legumes In Pasturelands And Their Ecological Services, Funded, $500,000.00, (January 1, 2016 - December 30, 2019).

Legume understory management for supporting soil fertility, tree growth and yield, part 2, Funded, $9,680.00, (October 1, 2016 - September 30, 2019).

Compost carryover and cover crop effects on soil quality, profitability and cultivar selection in organic dryland wheat, Funded, $1,555,053.00, (September 1, 2014 - August 31, 2019).

Utilizing tanning-containing forages and Holos software for sustainable beef production in the Intermountain West, Funded, $20,202.87, (July 1, 2018 - June 30, 2019).

Linking nitrification to microbial community in agroecosystems under changing climate, Funded, $150,000.00, (March 19, 2016 - March 19, 2019).
Richardson, Travis Todd

Hybrid and Electric Vehicle Safety and Service Training and Certification, Funded, $200,000.00, (July 2017 - June 2018).

Rickords, Lee F

Evaluating Bull Breeding Efficiency and Movement, Funded, $30,000.00, (April 1, 2018 - March 30, 2020).

Rigas, Johanna Danielle

Collaborative diagnostic methods to enhance capabilities of early career rural veterinary practitioners, Funded, $236,619.00, (September 1, 2016 - August 31, 2019).

Rood, Kerry A

Establishing a protocol for receiving cattle that are at-risk of having a mineral deficiency, Funded, $206,208.00, (June 2018 - May 2021).

Economic and environmental sustainability of heifer development strategies in pasture-based organic dairy systems, Funded, $999,404.00, (September 2017 - August 2020).

Evaluating Bull Breeding Efficiency and Movement, Funded, $30,000.00, (April 1, 2018 - March 30, 2020).

Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S., Funded, $214,123.00, (September 2017 - August 2019).

Collaborative diagnostic methods to enhance capabilities of early career rural veterinary practitioners, Funded, $236,619.00, (September 1, 2016 - August 31, 2019).

Remote Bovine Biosensor Pilot Trial, Funded, $3,750.00, (April 1, 2018 - September 1, 2018).

Co-adaptation of a large carnivore and human society across a dynamic wildland-rural-urban interface, Funded, $35,000.00, (July 1, 2017 - June 30, 2018).

Economic and environmental sustainability of heifer development strategies in pasture-based dairy systems, Funded, $70,000.00, (May 1, 2016 - June 30, 2018).

Roper, Teryl R

Accelerating the Development, Evaluation, and Adoption of new Apple Rootstock Technologies to Improve Apple Growers Profitability and Sustainability, Funded, $4,281,618.00, (September 1, 2016 - August 31, 2021).

Evaluating and propagating Cold Hardy Pistachios for Northern Utah, Funded, $12,859.00, (October 1, 2016 - September 30, 2019).
Rupp, Larry A

Utah State Legislature Extension Water Conservation Initiative - CWEL Portion, Funded, $280,000.00, (July 2016 - 2066).

Installation and Maintenance of Weather Stations in Eagle Mountain City, Funded, $36,408.00, (June 2017 - June 2022).

Sustaining Green Industry Production Through Irrigation Management by Low-cost Microcontrollers, Funded, $39,875.00, (October 1, 2018 - September 29, 2021).

Landscape Lysimeter Renovation to Quantify Plant Water Use, Funded, $31,695.00, (September 1, 2018 - August 31, 2020).


Phase II - Implementing Water Conservation Strategies in Eagle Mountain City, Utah, Funded, $77,304.00, (February 2018 - February 2020).

Exploring Cut Flower Production as a Diversification Opportunity for Utah Small-Acreage Specialty Crop Producers, Funded, $32,328.00, (October 1, 2017 - September 30, 2019).

Evaluating and propagating Cold Hardy Pistachios for Northern Utah, Funded, $12,859.00, (October 1, 2016 - September 30, 2019).

A preliminary study on the selection and establishment of pinyon pine clones for improved nut production, Funded, $4,993.00, (December 2016 - June 2019).

USU Extension Water Check Program expansion: Web-based tool development and tablet-based app customization, Funded, $37,958.00, (June 2017 - December 2018).

Identifying and Meeting Salt Lake City’s Landscape Water Conservation Potential, Funded, $96,120.00, (July 2017 - December 2018).


Effect of “Drought Tolerant” Labeling on Consumers’ Preferences and Willingness to Pay for Nursery Crops, Funded, $17,850.00, (January 2016 - September 2018).

Implementing Water Conservation Strategies in Eagle Mountain City, Funded, $96,663.00, (September 30, 2016 - February 28, 2018).

Rutigliano, Heloisa Moreno

Development aspects of CF disease investigated in the CFTR/-/- sheep model, Funded, $270,000.00, (November 1, 2018 - October 31, 2020).

Differential Expression of Circulating and Placental MicroRNAs in Cloned Ovine and Bovine Pregnancies, Funded, $46,000.00, (May 1, 2016 - April 30, 2019).
Savoie Roskos, Mateja Renee


Translating Effective Opioid Harm Reduction and Wellness Training to Tribal and Rural Utah, Funded, $1,094,338.00, (September 30, 2018 - September 29, 2020).

Rural Health and Safety Education Grant from the USDA National Institute of Food and Agriculture (NIFA), Funded, $320,267.00, (September 2018 - August 2020).


TANF II Youth Can Cook, Funded, $697,068.00, (September 1, 2016 - August 30, 2019).

FNS-SNAP-Ed Program, Funded, $1,421,517.00, (October 1, 2017 - September 30, 2018).

Thumbs Up For Healthy Choices, Funded, $7,656.00, (April 2017 - April 2018).

Scott, Paula E


EFNEP Request for Application (RFA), Funded, $409,822.00, (October 2018 - September 2019).

Sleipness, Ole Russell

East Zion Gateway Corridor Design, Funded, $15,309.09, (November 2, 2018 - November 1, 2019).

Developing a Recreational Brand Identity: Opportunities in Centerville's Parks Master Plan, Funded, $15,000.00, (September 1, 2018 - June 30, 2019).

Extension Grant: Assessing the Impacts of Landscape Architecture Extension in Utah, Funded, $30,000.00, (April 1, 2017 - December 31, 2018).


Sorensen, Tyson Joel


URCO: Examining the perceptions of agricultural education through the lens of the spouse or partner, Funded, $1,450.00, (September 2018 - October 2019).

Engaging Educational Professionals Towards Training The Next Generation Within The Food, Agricultural, and Natural Resources Career Areas, Funded, $144,138.00, (October 1, 2016 - September 30, 2019).

Utah State Teach Ag Results (STAR) Grant, Funded, $8,000.00, (January 2018 - December 2018).
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New Teacher Academy X, Funded, $7,000.00, (July 1, 2017 - June 30, 2018).

Utah Agriculture Teacher Induction Program IX, Funded, $7,000.00, (July 1, 2017 - June 30, 2018).

Spielmaker, Debra M

National Center for Agricultural Literacy 2017-2019, Funded, $518,980.00, (July 1, 2018 - August 30, 2019).

National Center for Agricultural Literacy 2019-24, Funded, $2,000,000.00, (July 1, 2018 - August 30, 2019).

National Center for Agricultural Literacy 2016-2017, Funded, $393,028.00, (September 2017 - August 2018).


Stewardson, Denise M

Support for Utah Natural Resources Competitions, Funded, $30,400.00, (August 2017 - July 2018).

ROAVcopter Mini, Funded, $6,837.00, (October 20, 2017 - June 30, 2018).

Support for Utah Natural Resources Competitions, Funded, $5,000.00, (October 2017 - June 2018).

Utah Foundation for Agriculture in the Classroom--Utah Agriculture in the Classroom, Funded, $153,666.53, (July 1, 2017 - June 30, 2018).

Utah AITC Volunteer Service Team, Funded, $15,000.00, (June 1, 2017 - June 1, 2018).

Stewardson, Gary A


ROAVcopter Challenge, Funded, $4,000.00, (July 16, 2018 - June 30, 2019).

NIFA ROAVcopter Challenge, Funded, $4,789.00, (April 10, 2018 - April 9, 2019).

Attracting and Motivating Students and Teachers through an Integrated STEM Aquaponics Website and Laboratory, Funded, $5,000.00, (December 2017 - December 2018).

ROAVcopter Challenge (Development of a STEM outreach competition focused on drones), Funded, $4,000.00, (October 10, 2017 - October 2018).

ROAVcopter Mini, Funded, $6,837.00, (October 20, 2017 - June 30, 2018).
Stock, Melanie


Expanding Farming and Marketing Opportunities for Refugee and Native Americans in the Mountain West, Funded, $700,000.00, (October 1, 2017 - September 30, 2020).

Sun, Youping

Sustaining Green Industry Production Through Irrigation Management by Low-cost Microcontrollers, Funded, $39,875.00, (October 1, 2018 - September 29, 2021).

Landscape Lysimeter Renovation to Quantify Plant Water Use, Funded, $31,695.00, (September 1, 2018 - August 31, 2020).


Phase II - Implementing Water Conservation Strategies in Eagle Mountain City, Utah, Funded, $77,304.00, (February 2018 - February 2020).

Evaluating Pomegranate Varieties for Utah’s Home and Commercial Production, Funded, $9,828.00, (April 1, 2018 - December 31, 2019).

Tarbet, Ernest B

(R01) Development of a Universal Influenza Vaccine Against Influenza A and B Viruses, Funded, $820,164.00, (November 20, 2018 - October 31, 2023).

(Task A16) Mouse Model Development for Enteroviruses EV-D68 and EV-71 for Therapeutics, Funded, $1,092,326.00, (August 27, 2018 - August 26, 2021).

Establishing a protocol for receiving cattle that are at-risk of having a mineral deficiency, Funded, $206,208.00, (June 2018 - May 2021).

(Task A22) Mouse models for evaluation of influenza vaccines and vaccination strategies, Funded, $719,044.00, (September 17, 2018 - March 16, 2021).

Evaluation of Influenza Virus Vaccines, Funded, $205,540.00, (July 12, 2018 - December 31, 2018).

(Task A09) Mouse Models for Evaluation of Therapeutics Against Human Seasonal Influenza and Avian Influenza Strains with Pandemic Potentials, Funded, $584,266.00, (December 8, 2017 - December 7, 2018).

(R56) Engineering an Intranasal Universal Influenza Vaccine, Funded, $112,384.00, (August 1, 2017 - July 31, 2018).

(Task A109) Mouse models for evaluation of influenza vaccines and vaccination strategies, Funded, $266,000.00, (March 17, 2017 - March 16, 2018).
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Thomas, Aaron James

Elucidation of the molecular mechanism through which estradiol and trenbolone acetate improve skeletal muscle growth in beef cattle, Funded, $490,000.00, (February 1, 2018 - January 31, 2022).

A novel type I interferon receptor knockout sheep model for the study of viral infection and ruminant reproduction, Funded, $69,711.00, (July 1, 2018 - June 30, 2020).

Summer Research Internships in Agricultural Biotechnology for Off-Campus Undergraduate Students, Funded, $274,503.00, (March 15, 2016 - March 14, 2020).


Thornton-Kurth, Kara J

Elucidation of the molecular mechanism through which estradiol and trenbolone acetate improve skeletal muscle growth in beef cattle, Funded, $490,000.00, (February 1, 2018 - January 31, 2022).

Establishing a protocol for receiving cattle that are at-risk of having a mineral deficiency, Funded, $206,208.00, (June 2018 - May 2021).

Understanding how a novel alfalfa product impacts production of beef cattle, dairy heifers, and milking cows, Funded, $89,185.00, (January 2018 - December 2020).

Economic and environmental sustainability of heifer development strategies in pasture-based organic dairy systems, Funded, $999,404.00, (September 2017 - August 2020).

Effects of pre-mortem stress on heat shock protein expression and oxidation relative to meat quality, Funded, $149,879.00, (April 2018 - March 2020).

Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S., Funded, $214,123.00, (September 2017 - August 2019).

Determination of the Role of Small Heat Shock Proteins in the Development of Beef Tenderness, Funded, $15,000.00, (March 2017 - June 2018).

Economic and environmental sustainability of heifer development strategies in pasture-based dairy systems, Funded, $70,000.00, (May 1, 2016 - June 30, 2018).

Vanderwall, Dirk K

Evaluation of a slow-release formulation of oxytocin for prolonging function, Funded, $17,815.00, (June 1, 2018 - December 31, 2019).

Collaborative diagnostic methods to enhance capabilities of early career rural veterinary practitioners, Funded, $236,619.00, (September 1, 2016 - August 31, 2019).

Voelker, Steven L

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Vollmer, Almut Heidrun

Specialized Services Agreement between USU and Leprino Foods, Funded, $420,520.00, (July 1, 2017 - June 30, 2020).

RGS Graduate Assistantship-Matching, Funded, $170,000.00, (August 2014 - May 2018).

Waite, Phillip S

East Zion Gateway Corridor Design, Funded, $15,309.09, (November 2, 2018 - November 1, 2019).

Walsh, Marie K

Student stipend and support for research projects conducted by graduate students in the BUILD Dairy program of the Western Dairy Center, Funded, $651,051.00, (January 2016 - December 2018).

Improving the microbial quality of milk by combining a novel technology, ultrasound, with pasteurization, Funded, $297,452.00, (December 2015 - December 2018).

RGS Graduate Assistantship-Matching, Funded, $170,000.00, (August 2014 - May 2018).

Wang, ShihYu

NRT: Graduate Climate Adaptation Research that Enhances Education and Responsiveness of science at the management-policy interface (Grad-CAREER), Funded, $2,698,878.00, (September 15, 2016 - September 14, 2021).

Synthesizing drought characteristics prediction to inform drought resiliency decisions from days to years, Funded, $199,998.00, (November 1, 2017 - October 31, 2019).

An Integrated Evaluation of the Simulated Hydroclimate System of the Continental US, Funded, $3,300,000.00, (September 1, 2016 - August 31, 2019).

Postdoc Exchange to PSC, Funded, $20,000.00, (December 2016 - November 2018).

Office of Research and Graduate Studies (RGS) Research Assistantships, Funded, $120,000.00, (July 1, 2014 - June 1, 2018).

USU’s Presidential Doctoral Research Fellows – full-tuition Ph.D. student support with annual stipend of $20,000 for 4 years, Funded, (September 2014 - May 2018).

Useful prediction of climate extreme risk for Texas-Oklahoma at 4-6 years, Funded, $77,000.00, (December 1, 2016 - February 28, 2018).

Wang, Zhongde

Generating models of RPE disease to elucidate relationships between intercellular junctions and angiogenic factors, Funded, $420,713.41, (September 2018 - August 2021).


Production and Characterization of Human Immunoglobulin Producing Goats for Diagnostic Reagents and Therapeutics, Funded, $225,000.00, (January 15, 2018 - December 31, 2018).
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Generation of Genetically Engineered Hamsters for Circadian Studies, Funded, $425,203.00, (September 1, 2016 - August 31, 2018).

Generation of Transchromosomal (Tc) Goats and Production of Human Immunoglobulin Therapeutics and Diagnostic Reagents, Funded, $150,000.00, (February 1, 2017 - January 31, 2018).

Evaluating Anti-Zika Virus Therapeutic Antibodies in STAT2 KO hamsters, Funded, $10,000.00, (February 1, 2017 - January 31, 2018).

Ward, Robert E

Understanding the Increased Omega-3 Fatty Acid Concentration in Legume-Fed Beef, Funded, $20,000.00, (May 1, 2018 - April 30, 2020).


RGS Graduate Assistantship-Matching, Funded, $170,000.00, (August 2014 - May 2018).


Ward, Ruby

Enhancing Specialty Food Product Producers Sourcing Local Produce for Products, Funded, $20,191.00, (October 2018 - September 2021).

Expanding Farming and Marketing Opportunities for Refugee and Native Americans in the Mountain West, Funded, $700,000.00, (October 1, 2017 - September 30, 2020).

Risk Management Education for Small Specialty Crop Producers and Underserved Farmers, Funded, $190,115.00, (October 1, 2018 - March 30, 2020).

Targeted Risk Management for Small Specialty Crop Producers and Underserved Farmers, Funded, $166,156.00, (September 29, 2017 - September 29, 2018).


Warnick, Brian K

IME-Becas, Funded, $20,000.00, (April 2018 - April 2019).

Wengreen, Heidi J

Utah Regional Leadership Education in Neurodevelopmental Disabilities, Funded, $2,500,000.00, (July 2016 - June 2021).


Development, implementation, and evaluation of the FIT Game program, Funded, $32,000.00, (May 2016 - April 2018).


**Williams, Amber**

Financial Literacy/Adult Roles in the Northern Region, Funded, $20,000.00, (July 1, 2018 - June 30, 2019).

**Wilson, David J**

Development of calibration standards, improvement and validation of calibration methods for the FTIR analyzer for rapid measurement of Beta-hydroxybutyrate (BHB) in milk samples, Funded, $140,000.00, (January 1, 2018 - December 31, 2019).

Dairy cattle disease surveillance testing in Utah, Funded, $24,654.00, (October 1, 2017 - September 30, 2018).

Impact of bovine leukemia virus on dairy cow longevity, production and immune function, Funded, $499,900.00, (July 2013 - June 2018).

**Yost, Matt A**

Optimizing Water Use in Agriculture by Stacking Conservation Practices, Funded, $600,000.00, (December 2018 - December 2021).

Optimizing Water Use in Agriculture by Stacking Conservation Practices, Funded, $40,000.00, (July 2018 - June 2021).

Optimizing Water Use in Agriculture by Stacking Conservation Practices, Funded, $600,000.00, (July 2018 - June 2021).

Soil Health Partnership Database Exploration, Funded, $85,500.00, (June 2018 - June 2021).

Nitrogen needs of small grains following alfalfa, Funded, $36,093.00, (June 2018 - June 2021).

Managing small grains after alfalfa for water savings, Funded, $36,093.00, (2018 - 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (2018 - 2020).

Refining corn seeding depths to account for soil texture, cropping system, and landscape position, Funded, $105,000.00, (2017 - 2020).

Testing Irrigation Strategies to Stretch Limited Water Supplies, Funded, $75,000.00, (August 29, 2018 - September 2020).

Resilience of agricultural systems to climate stress, Funded, $48,726.00, (March 2018 - June 2020).

Managing small grains after alfalfa for water savings, Funded, $45,592.00, (March 2018 - June 2020).

Developing a website for the USU Extension agronomy program, Funded, $10,000.00, (March 2018 - December 2019).
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Water Conservation In-service Training, Funded, $17,420.00, (March 2018 - 2019).

Drilling into Irrigation Surveys to Understand Local Water Conservation Research and Education Needs, Funded, $15,041.00, (March 2018 - December 2019).

Novel Solutions for Conserving Water in Utah Agriculture, Funded, $70,823.00, (April 2018 - October 2019).

Precision Irrigation for High Value Fruit Production, Funded, $39,222.00, (April 2018 - October 2019).

Testing Irrigation Strategies to Stretch Limited Water Supplies, Funded, $8,000.00, (August 15, 2018 - August 15, 2019).


Management options for safflower and flax, Funded, $15,020.00, (April 2018 - April 2019).

**Young, Allen J**

Understanding how a novel alfalfa product impacts production of beef cattle, dairy heifers, and milking cows, Funded, $89,185.00, (January 2018 - December 2020).

Economic and environmental sustainability of heifer development strategies in pasture-based organic dairy systems, Funded, $999,404.00, (September 2017 - August 2020).

Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S., Funded, $214,123.00, (September 2017 - August 2019).

Economic and environmental sustainability of heifer development strategies in pasture-based dairy systems, Funded, $70,000.00, (May 1, 2016 - June 30, 2018).


**Young, Stephen**

Identifying Effective Control and Revegetation Strategies for Heavily Invaded and Degraded Medusahead Sites, Funded, $42,234.00, (July 1, 2018 - June 30, 2019).

An integrated weed management approach for controlling kochia in wheat using physical and cultural tactics, Funded, $30,000.00, (March 1, 2018 - February 28, 2019).

**Youssef, Nabil Nagib**

Specialized Services Agreement between USU and Leprino Foods, Funded, $420,520.00, (July 1, 2017 - June 30, 2020).

**Yun, Sang-Im**

Host factors involved in porcine reproductive and respiratory syndrome virus entry, Funded, $499,892.00, (June 1, 2018 - May 31, 2021).

A novel type I interferon receptor knockout sheep model for the study of viral infection and ruminant reproduction, Funded, $69,711.00, (July 1, 2018 - June 30, 2020).
2018 UAES Equipment Grant, Funded, $5,716.00, (July 1, 2018 - December 31, 2018).

Rapid development of a Zika virus vaccine for the prevention of perinatal transmission, Funded, $46,750.00, (January 15, 2017 - January 15, 2018).

Presentations and Posters

Aguilar, Sheryl Swain

Kids Bites Feeding Study: The effect of a high carotenoid food on skin carotenoid levels in school-age children, Utah Academy of Nutrition and Dietetics, March 2018.

Viva Vegetables: Can brief nutrition education by Utah State University dietetic students nudge college students' knowledge and self-efficacy regarding the consumption of vegetables?, Utah Academy of Nutrition and Dietetics, March 2018.

Allen, Karin E

Kids Bites Feeding Study: The effect of a high carotenoid food on skin carotenoid levels in school-age children, Utah Academy of Nutrition and Dietetics, March 2018.


US Cottage Food Laws - Updates and Issues, Western Association of Food and Drug Officials Annual Meeting, September 18, 2018.


Food Science Labs for FACS Classes, FACS Nutrition Education Conference, June 12, 2018.


Utah Produce Safety, Utah Onion Growers Meeting, February 13, 2018.

Utah Produce Safety, Utah Fruit Growers Meeting, February 1, 2018.

Anderson, David T


Integrating Sustainability Into LAEP 1030, Planetary Thinking in the Curriculum Workshop, May 2018.

Baldwin, Thomas J

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Benninghoff, Abby

Fermentation of Prebiotics in Agave and Green Banana by Probiotic Bacteria, Fall Student Research Symposium, December 4, 2018.

Dietary supplementation with beta-carotene in a mouse model of gut inflammation, 36th Annual Meeting of the Mountain-West Regional Chapter of the Society of Toxicology, September 19, 2018.


The Total Western Diet and Vancomycin Increase Inflammation-Mediated Colorectal Cancer, Nutrition 2018, June 2018.


Impact of basal diet on obesity phenotype of recipient mice following fecal transfer from obese or lean human donors, Nutrition 2018, June 8, 2018.

Impact of green tea for colitis-associated colorectal cancer prevention in a multigenerational murine model incorporating the total Western diet, Nutrition 2018, June 8, 2018.

Mitochondrial-targeted Organic PhotoCORM, USU Student Research Symposium, April 12, 2018.

Impact of the Total Western Diet and supplementation on TNF, IBA1, CD68, and PAX5, Biomarkers of Inflammation, NCUR 2018, April 4, 2018.


Impact of the Total Western Diet and supplementation on TNF, IBA1, CD68, and PAX5, Biomarkers of Inflammation, NCUR 2018, February 9, 2018.

Bevan, Stacy Lyn


Black, Brent L

Precision Tart Cherry Management, High Density and GIS approaches, Applied Physiology, PGRs, Rootstocks and Orchard Systems Symposium, August 24, 2018.

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High Tunnel Cut Flower Production in Utah, USU Student Research Showcase, March 2018.


Bugbee, Bruce G


Cardon, Grant E

Long-term nitrogen needs of dryland wheat, ASA-CSSA Annual Meetings, November 2018.

Developing A Soil Aggregate Stability Standard For Use In Laboratory Proficiency Testing, USU Student research Symposium, May 2018.

Carman, John G


Carpenter, Charles E

Impacts of bovine maternal nutrition on muscle fiber type in skeletal muscle of the progeny, Annual Meeting of the American Society for Animal Science, July 8, 2018.

Charlton, Rebecca Dawn


Chikamoto, Yoshimitsu

Climate variability and predictability, International Conference on Resilient Design & Climate Change Adaptation, August 17, 2018.


Tropical decadal predictability associated with Atlantic-Pacific interaction, Tropical Inter-basin Interactions, January 20, 2018.
Christensen, Keith M

Research Methods within the MLA: Implications for Scholarly Inquiry in Landscape Architecture, CELA 18 Transforming the Discussion, March 20, 2018.


Coulombe, Roger A


How to Write a Successful Scientific Grant Application, September 24, 2018.


Successful Scientific Grant Writing, May 7, 2018.

Adverse Effects of Low Level Ambient Particulate Air Pollution on Pulmonary Function and Systemic Inflammation, Air Quality: Science for Solutions, March 29, 2018.


Creech, Joseph Earl


Inter-Seeding Forage Legumes into Existing Cool-Season Grass Pastures, ASA/CSSA 2018 International Annual Meetings, 2018.


Glyphosate injury to glyphosate resistant alfalfa, Western Society of Crop Science Annual Meeting, 2018.

Strategies for quinoa seed production in high temperature environments, Western Society of Crop Science Annual Meeting, 2018.


Innovative water management for alfalfa using precision mobile drip irrigation and biochar, ASA-CSSA Annual Meetings, November 2018.

Long-term nitrogen needs of dryland wheat, ASA-CSSA Annual Meetings, November 2018.
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Compost carryover and cover crop effects on soil quality, profitability, and cultivar selection in organic dryland wheat, USDA NIFA OREI PD Meeting, August 2018.

Forage nutritive value in alfalfa, birdsfoot trefoil, cicer milkvetch, orchardgrass, perennial ryegrass, and tall fescue at differing stages of maturity through the growing season, North American Alfalfa Improvement Conference, June 2018.


Soil aggregation and phosphorus availability following a one-time compost addition in semi-arid organic wheat systems, 2018 USU Student Research Symposium, April 2018.

Response of phosphorus forms in semi-arid organic wheat following a one-time compost addition, 2018 USU Department of Plants, Soil and Climate Research Event, March 2018.

Effects of a one-time compost application on soil moisture variability in dryland organic wheat, Spring Runoff Conference, March 27, 2018.

Curtis, Kynda


Do Extra Labels Pay? The Impact of Non-GMO and Health Labels on Consumer WTP for Organics, AAEA Annual Conference, August 2018.


Davies, Chris

Host factors involved in porcine reproductive and respiratory syndrome virus entry, 99th Annual Conference of Research Workers in Animal Diseases (CRWAD), December 1, 2018.


Identification of immune cells involved in the development of the bovine fetal allograft, 7th Annual ADVS Student Research Symposium, August 8, 2018.

Production of an Ovine Interferon Type I Receptor Knockout Model, Second Large Animal Genetic Engineering Summit, June 3, 2018.
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Deceuster, Andrew I


Product Design 101, Outdoor Retailer Summer Show, May 1, 2018.

Delgadillo, Lucy Marina

Recent changes make it more beneficial for financial professional to partner with housing professionals, Association for Financial Counseling and Planning, November 16, 2018.

Tips from the Experts on Conducting and Reviewing Qualitative Research, American Association of Family and Consumer Sciences, June 25, 2018.


Drost, Daniel Thomas


Onion Varieties for Utah, Utah Onion Association Summer Tour, August 7, 2018.

World Onion Issues - Europe and New Zealand, Utah Onion Association Summer Tour, August 7, 2018.


High Tunnel Cut Flower Production in Utah, USU Student Research Showcase, March 2018.
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Durward, Carrie Margaret


Eun, Jong-Su

Effects of supplementing three different forms of rumen-protected lysine on lactational performance of mid to late dairy cows, ADVS Student Research Symposium, August 8, 2018.

Evans, David Thomas


Frame, David D

The Responsible Chicken Ownership Certification Course, Stock and Flock Talk, November 1, 2018.

Responsible Chicken Ownership for Small Flock Owners Selling Wholesale, Responsible Chicken Ownership for Small Flock Owners Selling Wholesale, October 19, 2018.


Common Disease of Small Flock Poultry, American Veterinary Medical Association, July 13, 2018.

Responsible Chicken Ownership Course, Responsible Chicken Ownership Course, April 10, 2018.

Proper Care of Backyard Poultry, Wyoming 4-H Online Poultry Workshop, March 26, 2018.

Backyard Chicken Ownership Workshop, Backyard Chicken Ownership Workshop, March 15, 2018.

Responsible Chicken Ownership Course, Responsible Chicken Ownership Course, February 20, 2018.

Responsible Chicken Ownership Course, Responsible Chicken Ownership Course, February 15, 2018.

Frazier, Curtis G

Building Bridges Through Mentorship: How to Connect with Students of Diverse Backgrounds, 2018 Inclusive Excellence Symposium, October 29, 2018.

Garcia, Matthew D

Gowen, Brian B

Host factors involved in porcine reproductive and respiratory syndrome virus entry, 99th Annual Conference of Research Workers in Animal Diseases (CRWAD), December 1, 2018.

Graf, Marlene Israelsen


Hall, Jeffery O


Vitamin-Mineral Problems and their Diagnoses in California Cattle, California Cattlemen’s Association Annual Convention, November 29, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Beef Cattle Herds of Canada, Dairy Smart Nutrition Group Meeting, November 20, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Dairy Herds of Canada, Dairy Smart Nutrition Group Meeting, November 20, 2018.

Standing Cattle Liver Biopsy Wet Laboratory Training, Dairy Smart Nutrition Group – Veterinary Training, November 19, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of Central North Dakota, Merck Animal Health Sponsored Cattle Producer Meeting, November 7, 2018.


Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of the Nebraska Panhandle, Otte Feeds - Cattle Producer Meeting, October 11, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of the Nebraska Panhandle, Ackerman Feeds - Cattle Producer Meeting, October 10, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of North Dakota, South Dakota State University Extension Webinar – via Zoomlink, October 4, 2018.

Diagnosis of Selenium poisoning in livestock, 10th International Symposium on Poisonous Plants, September 16, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of South Dakota, South Dakota State University Extension Webinar – via Zoomlink, September 18, 2018.
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Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of the US, CowBos National Dealers Meeting, September 6, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of Southern Missouri, Southwest Veterinary Medical Association Annual Meeting/Boehringer Ingelheim Cattle First Forum - Veterinary CE Training, August 30, 2018.

Standing Cattle Liver Biopsy Wet Laboratory Training, Southwest Veterinary Medical Association Annual Meeting/Boehringer Ingelheim Cattle First Forum – Veterinary CE Training, August 30, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of Southern Missouri, Boehringer Ingelheim Keeping Calves Healthy - Cattle Producer Meeting, August 29, 2018.

Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of Eastern Nebraska, Liquid Plus - Cattle Producer Meeting, August 22, 2018.


Common Vitamin/Mineral Problems and Diagnoses in Cattle Herds of Montana, Zoetis Sponsored Cattle Producer Meeting, August 14, 2018.

Effects of supplementing three different forms of rumen-protected lysine on lactational performance of mid to late dairy cows, ADVS Student Research Symposium, August 8, 2018.


Standing Cattle Liver Biopsy Wet Laboratory Training, Multimin International – Veterinary Continuing Education Training, July 18, 2018.


Occurrence, Health Effects, and Money Losses from Vitamin & Mineral Abnormalities in Minnesota Cattle, Multimin International - Veterinary Continuing Education Meeting, April 27, 2018.

Standing Cattle Liver Biopsy Wet Laboratory Training, Multimin International – Veterinary Continuing Education Training, April 27, 2018.


Standing Cattle Liver Biopsy Wet Laboratory Training, Multimin International – Veterinary Continuing Education Training, April 26, 2018.


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Hall, Kelsey

Examining intentions of educational professions to integrate unmanned aerial vehicles (UAVs) within the classroom, National Agricultural Education Research Conference, May 20, 2018.

Providing professional development to educational professionals for unmanned aerial vehicles (UAVs) in agriculture, National Agricultural Education Research Conference, May 20, 2018.

Utah agriculture teachers’ perceptions of teaching urban and non-traditional agriculture content, National Agricultural Education Research Conference, May 20, 2018.


Technology in the Classroom and in Extension, STEP Grant- Technology Training, February 9, 2018.

Hintze, Korry J

The Total Western Diet and Vancomycin Increase Inflammation-Mediated Colorectal Cancer, Nutrition 2018, June 2018.


Impact of basal diet on obesity phenotype of recipient mice following fecal transfer from obese or lean human donors, Nutrition 2018, June 8, 2018.

Impact of green tea for colitis-associated colorectal cancer prevention in a multigenerational murine model incorporating the total Western diet, Nutrition 2018, June 8, 2018.

Impact of the Total Western Diet and supplementation on TNF, IBA1, CD68, and PAX5, Biomarkers of Inflammation, NCUR 2018, April 4, 2018.
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Impact of the Total Western Diet and supplementation on TNF, IBA1, CD68, and PAX5, Biomarkers of Inflammation, NCUR 2018, February 9, 2018.

Hipps, Lawrence E

Assessment of Landsat Harmonized sUAS Reflectance Products Using Point Spread Function (PSF) on Vegetation Indices (VIs) and Evapotranspiration (ET) Using the Two-Source Energy Balance (TSEB) Model, American Geophysical Union, December 9, 2018.

GRAPEX: A Project Integrating Ground, Aerial and Satellite Observations for Improved Water Management of Vineyards (invited), American Geophysical Union, December 9, 2018.


CWSI derived from Landsat 8 thermal imagery as an affordable alternative to high-resolution imagery for irrigation management in California vineyards, American Geophysical Union Fall Meeting, December 9, 2018.

Evapotranspiration and Energy Balance of Irrigated Urban Turfgrass, American Geophysical Union Fall Meeting, December 9, 2018.


Hole, David Jay


Hoopes, Karl H


Isom, Stephen Clay


Effects of lactation and negative energy balance on endometrial expression of selected transcripts of Holstein dairy cows at day 7 post-ovulation, American Society of Animal Science Meeting, July 2018.


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Jacobson, Astrid Rosa


Protective osmolyte coronal layers to enhance nanoparticle bioavailability and activity, Sustainable Nanotechnology Organization, November 14, 2018.


Soil aggregation and phosphorus availability following a one-time compost addition in semi-arid organic wheat systems, 2018 USU Student Research Symposium, April 2018.

Response of phosphorus forms in semi-arid organic wheat following a one-time compost addition, 2018 USU Department of Plants, Soil and Climate Research Event, March 2018.

Effects of a one-time compost application on soil moisture variability in dryland organic wheat, Spring Runoff Conference, March 27, 2018.

The Dark Side of Plants, Graduate Student Seminar, Department of Soil and Environmental Science, March 6, 2018.

Johnson, Paul G.

A Comparison of Smart Controllers in the Urban Landscape, ASA, CSSA, SSSA Annual Meetings, November 4, 2018.


Kentucky Bluegrass Flowering Time Gene Relationships, ASA/CSSA International meeting, November 4, 2018.


Johnson, Todd Donald


Jones, Scott B

Electromagnetic sensors for water content: The need for international testing standards, 12th International Conference on Electromagnetic Wave interactions with Water and Moist Substances (ISEMA), June 4, 2018.
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High Resolution Monitoring of Near-Surface Soil Hydrodynamics using a Novel TDR Array, European Geophysical Union Annual Meeting, April 8, 2018.

Soil-water content and -water flux profiles determined by SWIR imaging and TDR array, European Geophysical Union Annual Meeting, April 8, 2018.

A soil moisture monitoring and forecast network for water resources management, 2018 Utah Water Users Workshop, March 20, 2018.

Faculty Introduction and Discussions for Collaboration, Taiwan-NCHU Faculty Workshop, March 5, 2018.


Julander, Justin G

Potent In Vitro Inhibitor against Dengue and Zika Viruses with Reverse Dose Response Against Zika Virus In Vivo, Drug Discovery for Neglected Diseases International Congress, December 4, 2018.


Histologic Characterization of Male Reproductive Pathology During Acute Zika Virus Infection in Immunocompromised Mice, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

Non-Coital Sexual Transmission of Zika Virus in from Male Mice Acutely, but not Chronically, Infected, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

Recombinant Fully-Human Monoclonal Antibodies for Prophylaxis and Treatment of Chikungunya Virus Disease, Framing the Response to Emerging Virus Infections, October 14, 2018.

Chemical genetic studies revealed a novel mechanism of innate immune evasion by yellow fever virus NS4B that can be targeted by an antiviral compound. Chemical genetic studies revealed a novel mechanism of innate immune evasion by yellow fever virus NS4B that can be targeted by an antiviral compound, International Conference on Antiviral Research, June 11, 2018.


The Therapeutic Human Bispecific Neutralizing Antibody FIT-1 Treats Congenital Zika Disease, International Conference on Antiviral Research, June 11, 2018.

Fully Human Recombinant anti-CHIKV Monoclonal Antibody with Potent Therapeutic and Prophylactic Activities in Murine and NHP Models of Chikungunya Virus Disease, European Congress of Clinical Microbiology and Infectious Diseases, April 21, 2018.

Kim, Man-Keun


Kopp, Kelly L

A Comparison of Smart Controllers in the Urban Landscape, ASA, CSSA, SSSA Annual Meetings, November 4, 2018.


Lavoie, Caroline


Lawver, Rebecca Grace

Examining agriculture teacher perceptions of utilizing volunteers, Western Region Conference for the American Association for Agricultural Education, September 2018.

Why Ag Ed? Examining the Motives to Teach Agriculture among Non–SBAE Students, Western Region Conference for the American Association for Agricultural Education, September 2018.

Examining agriculture teacher perceptions of utilizing volunteers, Western Region Agricultural Education Research Conference, September 19, 2018.

Utah agriculture program perceptions of the FFA affiliation fee program, Western Region Agricultural Education Research Conference, September 19, 2018.

Why Ag Ed? Examining the motives to teach agriculture among non-SBAE students, Western Region Agricultural Education Research Conference, September 19, 2018.


LeBlanc, Heidi Reese

Hunger Solutions Discussion, Hunger Solutions Discussion, November 6, 2018.

Encouraging Healthy Food Choices at Local Food Pantries, National Extension Association of Family and Consumer Sciences, September 27, 2018.


Influencing Nutrition and Shopping Behaviors Through the Create Farm Fresh Food Series, Utah Academy of Nutrition and Dietetics Conference, March 30, 2018.

Lee, Young-Min

Host factors involved in porcine reproductive and respiratory syndrome virus entry, 99th Annual Conference of Research Workers in Animal Diseases (CRWAD), December 1, 2018.

Construction of a live chimeric Zika vaccine through the expression of viral envelope protein, 7th Annual ADVS Student Research Symposium, August 8, 2018.

Spontaneous mutations associated with Japanese encephalitis virus pathogenesis, 7th Annual ADVS Student Research Symposium, August 8, 2018.

Study of Japanese encephalitis virus virulence factors using a reverse genetics system, 7th Annual ADVS Student Research Symposium, August 8, 2018.


Production of an Ovine Interferon Type I Receptor Knockout Model, Second Large Animal Genetic Engineering Summit, June 3, 2018.

Lefevre, Michael

Impact of green tea for colitis-associated colorectal cancer prevention in a multigenerational murine model incorporating the total Western diet, Nutrition 2018, June 8, 2018.

Adverse Effects of Low Level Ambient Particulate Air Pollution on Pulmonary Function and Systemic Inflammation, Air Quality: Science for Solutions, March 29, 2018.

MacAdam, Jennifer W


Effects of tannins on nitrogen cycling in pasture soils, Spring Runoff Conference, March 27, 2018.

Martini, Silvana

Interaction between different lipid structuring agents in organogels, 109th AOCS Annual Meeting and Expo, 2018.


Enzymatic Modification of Menhaden Oil to Incorporate Caprylic and/or Stearic Acid, 109th AOCS Annual Meeting and Expo, Minneapolis, 2018.
Tailoring crystalline structure using high intensity ultrasound to reduce oil migration, 109th AOCS Annual Meeting and Expo, Minneapolis, 2018.

Effect of acoustic power level on cavitation events in oil, 109th AOCS Annual Meeting and Expo, Minneapolis, MN, 2018.


Lipid sonocrystallization and possible applications in confectionery fats, JOCS/AOCS Joint Symposium, 2018.


The Martini Lab: A review, Visit to Hiroshima University, 2018.

**Mason, Jeffrey**


Young germ cell depleted ovarian effects on postmenopausal health, USU Student Research Symposium, 2018.


Employing Recombinant Adeno-associated Viral Vectors for Delivery of a Therapeutic Timp-3 Transgene to the Equine Distal Extremity Using a Clinical Regional Limb Perfusion Technique, ADVS Student Research Symposium, August 2018.

Germ Cell-depleted Ovaries Increase Life Span and Restore Health, ADVS Student Research Symposium, August 2018.

Peroneus Tertius Lesions: Case Report Associated with Cranial Cruciate Ligament Desmotomies in Sheep, ADVS Student Research Symposium, August 2018.

The Influence of Germ Cell Depletion of Young, Transplanted Ovaries on Post-Reproductive Health, ADVS Student Research Symposium, August 2018.
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Using a recombinant adeno-associated viral vector to deliver a Timp-3 Transgene for the Improvement of Osteoarthritis in an Ovine Model, ADVS Student Research Symposium, August 2018.


McMahon, Donald J.

Suitability of biomass produced by anaerobic digestion of manure and whey as a renewable peat moss substitute and economic assessment, American Dairy Science Association annual meeting, June 24, 2018.

Meyer-Ficca, Mirella L

Niacin: A Dietary Factor that Influences Sperm Quality and Epigenetic Information, Invited Seminar, June 2018.

Miller, Rhonda L

Inter-Seeding Forage Legumes into Existing Cool-Season Grass Pastures, ASA/CSSA 2018 International Annual Meetings, 2018.


Homeowners’ Use of Extension Services & Resources, Utah Association of County Agriculture Agents, June 2018.


Morrey, John D.

Histologic Characterization of Male Reproductive Pathology During Acute Zika Virus Infection in Immunocompromised Mice, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

Non-Coital Sexual Transmission of Zika Virus in from Male Mice Acutely, but not Chronically, Infected, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

The Therapeutic Human Bispecific Neutralizing Antibody FIT-1 Treats Congenital Zika Disease, International Conference on Antiviral Research, June 11, 2018.
Munger, Ronald G


Gestational diabetes and maternal metabolic syndrome biomarkers are associated with risk of orofacial clefts, American Cleft Palate Craniofacial Association 75th Annual Meeting, April 10, 2018.

Maternal vitamin B12 status is associated with risk of cleft lip and cleft palate in Tamil Nadu State, India, American Cleft Palate Craniofacial Association 75th Annual Meeting, April 10, 2018.

Munns, Kelli Colleen


Norton, Jeanette M

Soil Habitat Characteristics for a Rare Cactus Can Guide Energy Development, Soil Reclamation, and Plant Reintroduction, 21st World Congress of Soil Science, August 12, 2018.


Effects of tannins on nitrogen cycling in pasture soils, Spring Runoff Conference, March 27, 2018.


Oladi, Reza


A New Measure of Economic Distance, Australasian Trade Workshop, 2018.


Political Economy of Aid Allocation: The Case of Arab Donors, European Trade Study Group Conference, September 13, 2018.

Olsen, Andrea

Product Design 101, Outdoor Retailer Summer Show, May 1, 2018.
Polejaeva, Irina

Atrial myopathy increases pregnancy-related atrial fibrillation secondary to post-partum progesterone withdrawal, American Heart Association Meeting, November 2018.

Disease Phenotype of a Sheep Model of Cystic Fibrosis Generated by CRISPR/Cas9 Disruption of the CFTR gene, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.


Production of an Ovine Interferon Type I Receptor Knockout Model, Second Large Animal Genetic Engineering Summit, June 3, 2018.

Powell, Jake F


Pozo, Veronica


Ransom, Corey Verlin


Controlling Cutleaf Viper Grass in Alfalfa and Rangeland, 2018 UACAA Summer Meeting and Professional Improvement Meeting, June 11, 2018.


Reeve, Edward M


STEM/STEAM Education: Essential in Preparing the Next Generation of Learners, International Conference on Creativity, STEAM and Maker Education (ICCSM2018), September 29, 2018.

STEM/STEAM Education: Essential in Preparing the Next Generation of Learners, World Education Maker Conference (WMEA), September 26, 2018.

Making STEM Education Integrated, World Education Maker Conference (WMEA), May 9, 2018.


Reeve, Jennifer Rose


Strategies for quinoa seed production in high temperature environments, Western Society of Crop Science Annual Meeting, 2018.

Compost carryover and cover crop effects on soil quality, profitability, and cultivar selection in organic dryland wheat, USDA NIFA OREI PD Meeting, August 2018.

Soil aggregation and phosphorus availability following a one-time compost addition in semi-arid organic wheat systems, 2018 USU Student Research Symposium, April 2018.

Sustainable Agriculture in Europe, USU Permaculture Meetup, April 21, 2018.

Response of phosphorus forms in semi-arid organic wheat following a one-time compost addition, 2018 USU Department of Plants, Soil and Climate Research Event, March 2018.

Effects of a one-time compost application on soil moisture variability in dryland organic wheat, Spring Runoff Conference, March 27, 2018.

Effects of tannins on nitrogen cycling in pasture soils, Spring Runoff Conference, March 27, 2018.

Rood, Kerry A

Impacts of bovine maternal nutrition on muscle fiber type in skeletal muscle of the progeny, Annual Meeting of the American Society for Animal Science, July 8, 2018.


Rupp, Larry A


Micropropagation of Ceanothus velutinus: Stage I, USU's 2018 Student Research Symposium, April 12, 2018.


Landscape Water Optimization Research and Extension at Utah State University, Guest Lecturer, September 2018.

Selecting and Propagating Native Plants for Low Water Landscaping, Guest Lecturer, September 2018.


High Tunnel Cut Flower Production in Utah, USU Student Research Showcase, March 2018.


The Effect of Rooting Hormones on Propagation of Ceanothus velutinus by Cuttings, USU Student Research Showcase, March 2018.


Rutigliano, Heloisa Moreno

Atrial myopathy increases pregnancy-related atrial fibrillation secondary to post-partum progesterone withdrawal, American Heart Association Meeting, November 2018.


Identification of immune cells involved in the development of the bovine fetal allograft, 7th Annual ADVS Student Research Symposium, August 8, 2018.

Effects of lactation and negative energy balance on endometrial expression of selected transcripts of Holstein dairy cows at day 7 post-ovulation, American Society of Animal Science Meeting, July 2018.

Differentiation of extracellular vesicles from bovine placenta and peripheral blood mononuclear cells by Raman spectroscopy, Society for the Study of Reproduction, July 2018.


Savoie Roskos, Mateja Renee


Hunger Solutions Discussion, Hunger Solutions Discussion, November 6, 2018.


Food Insecurity Among College Students, Higher Education Food Summit, September 20, 2018.
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Influencing Nutrition and Shopping Behaviors Through the Create Farm Fresh Food Series, Utah Academy of Nutrition and Dietetics Conference, March 30, 2018.


Sleipness, Ole Russell


Research Methods within the MLA: Implications for Scholarly Inquiry in Landscape Architecture, CELA 18 Transforming the Discussion, March 20, 2018.

Smee, Donald F

Treatment of an EV-D68 Infection with Human Intravenous Immunoglobulin (hIVIG) in Respiratory and Neurological Models in AG129 Mice, 31st International Conference on Antiviral Research, June 2018.

Sorensen, Tyson Joel

Perceptions of Agriculture Education through the Lens of the Spouse, Utah State University Student Research Symposium, December 2018.

Examining agriculture teacher perceptions of utilizing volunteers, Western Region Conference for the American Association for Agricultural Education, September 2018.

Why Ag Ed? Examining the Motives to Teach Agriculture among Non–SBAE Students, Western Region Conference for the American Association for Agricultural Education, September 2018.

Examining agriculture teacher perceptions of utilizing volunteers, Western Region Agricultural Education Research Conference, September 19, 2018.

Preservice educators’ perceived abilities to be effective educators/advisors, Western Region Agricultural Education Research Conference, September 19, 2018.

Utah agriculture program perceptions of the FFA affiliation fee program, Western Region Agricultural Education Research Conference, September 19, 2018.

Why Ag Ed? Examining the motives to teach agriculture among non-SBAE students, Western Region Agricultural Education Research Conference, September 19, 2018.
Examining intentions of educational professions to integrate unmanned aerial vehicles (UAVs) within the classroom, National Agricultural Education Research Conference, May 20, 2018.

Providing professional development to educational professionals for unmanned aerial vehicles (UAVs) in agriculture, National Agricultural Education Research Conference, May 20, 2018.

Utah agriculture teachers’ perceptions of teaching urban and non-traditional agriculture content, National Agricultural Education Research Conference, May 20, 2018.


Examining another source of recruitment for agriculture education teachers, Utah State University Student Research Symposium, April 2018.

Technology in the Classroom and in Extension, STEP Grant- Technology Training, February 9, 2018.

**Spielmaker, Debra M**


Resources on the Grow, National Agriculture in the Classroom Conference, June 27, 2018.

Genetic Engineering and the Seed Science, National Agriculture in the Classroom Conference, June 26, 2018.

T and E of STEM with Aeroponics, National Agriculture in the Classroom Conference, June 26, 2018.

**Stott, Rusty Dean**

Effects of lactation and negative energy balance on endometrial expression of selected transcripts of Holstein dairy cows at day 7 post-ovulation, American Society of Animal Science Meeting, July 2018.


**Sun, Youping**


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Relative salt tolerance of ornamental grasses and grass-like plants, Annual Conference of American Society for Horticultural Science, August 1, 2018.

Micropropagation of Ceanothus velutinus: Stage I, USU's 2018 Student Research Symposium, April 12, 2018.


Salinity Tolerance of Seven Ornamental Grasses and Grass-like Species, USU Student Research Showcase, March 19, 2018.

Plant responses to abiotic stresses, College of Life Science and Technology, Central South University of Forestry and Technology, March 13, 2018.

Plant responses to abiotic stresses, Department of Horticulture, National Chung Hsing University, March 7, 2018.

Salinity Tolerance of Seven Ornamental Grasses and Grass-like Species, The 9th Intermountain Sustainability Summit, March 1, 2018.

The Effect of Rooting Hormones on Propagation of Ceanothus velutinus by Cuttings, USU Student Research Showcase, March 2018.


Tarbet, Ernest B

Advances in the Treatment and Prevention of Influenza, Center for Integrated Biosystems and Animal, Dairy and Veterinary Sciences Seminar Series, November 15, 2018.


Application of Genetic Engineering in Agriculture and Food, Genetic Engineering Workshop for Teachers: Dispelling Myths and Discussing the Issues, October 5, 2018.

A Host-Targeting Antiviral Inhibitor, STF1019, Provides Protection Against Enterovirus 71 Infection in a Mouse Model Development of a model for enterovirus D68 infection in mice, 31st International Conference on Antiviral Research, June 2018.

Treatment of an EV-D68 Infection with Human Intravenous Immunoglobulin (hIVIG) in Respiratory and Neurological Models in AG129 Mice, 31st International Conference on Antiviral Research, June 2018.

Emerging Infectious Diseases and Diagnostic Microbiology, Veterinary Diagnostic Workshop, May 18, 2018.

Thomas, Aaron James


Thornton-Kurth, Kara J

How do implants increase skeletal muscle growth of feedlot steers?, NC1184 Regional Project Meeting, October 26, 2018.

Impacts of nutrition and other environmental factors on the differentiation and proliferation of satellite cells, Annual Meeting of American Society for Animal Science, July 8, 2018.

Impacts of bovine maternal nutrition on muscle fiber type in skeletal muscle of the progeny, Annual Meeting of the American Society for Animal Science, July 8, 2018.


Elucidation of the mechanism through which estradiol and trenbolone acetate improve growth of skeletal muscle in beef cattle, USDA-NIFA Annual PD meeting, June 12, 2018.

Van Wettere, Arnaud

Disease Phenotype of a Sheep Model of Cystic Fibrosis Generated by CRISPR/Cas9 Disruption of the CFTR gene, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

Histologic Characterization of Male Reproductive Pathology During Acute Zika Virus Infection in Immunocompromised Mice, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.


Intraocular Neural Heterotopia in a Moroccan Uromastyx (Uromastyx Acanthinura Nigriventris), American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

Non-Coital Sexual Transmission of Zika Virus in from Male Mice Acutely, but not Chronically, Infected, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

Vollmer, Almut Heidrun

Why small things matter: How electron microscopy helps to understand dairy food functionality, Guest speaker for the Penn State Department Seminar Series, October 4, 2018.

Walsh, Marie K

Application of ultrasound with pasteurization to improve the microbial quality of milk, American Society of Nutrition, USDA/NIFA, June 8, 2018.
2018
Faculty Achievements and Activities
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Wang, ShihYu


Arctic climate and midlatitude extremes, Seminar, December 6, 2018.

Arctic warming and midlatitude extremes, Seminar, December 6, 2018.


Diminished ENSO Influence on North India Summer Monsoon Rainfall, Climate Diagnostics and Prediction Workshop, October 23, 2018.

North America’s winter circulation has changed, but for how long? (INVITED), Climate Diagnostics and Prediction Workshop, October 23, 2018.


Extreme precipitation events and importance of community based rainfall measurement in Nepal, Mountains in the Changing World, October 9, 2018.


Increased Pulsing Arctic Lower Atmospheric Warming and Link to Eastern Tropical Pacific, Asia Oceania Geosciences Society (AOGS) Meeting, June 3, 2018.


Sensitivity of the Arctic Climate Forcing Due to Atmospheric Physical Parameterizations, Asia Oceania Geosciences Society (AOGS) Meeting, June 3, 2018.


Accelerated increase in the Arctic “tropospheric” warming events, Fifth International Symposium on Arctic Research, January 15, 2018.

Wang, Zhongde

Disease Phenotype of a Sheep Model of Cystic Fibrosis Generated by CRISPR/Cas9 Disruption of the CFTR gene, American College of Veterinary Pathologists Annual Meeting, November 3, 2018.

Ward, Robert E

Impact of green tea for colitis-associated colorectal cancer prevention in a multigenerational murine model incorporating the total Western diet, Nutrition 2018, June 8, 2018.
Yost, Matt A

Strategies for quinoa seed production in high temperature environments, Western Society of Crop Science Annual Meeting, 2018.

Impact of corn seeding depth in different soil textures and landscape positions on emergence variability, ASA-CSSA Annual Meetings, November 2018.

Innovative water management for alfalfa using precision mobile drip irrigation and biochar, ASA-CSSA Annual Meetings, November 2018.

Long-term nitrogen needs of dryland wheat, ASA-CSSA Annual Meetings, November 2018.

Soil testing improves prediction of nitrogen response in first-year corn following alfalfa, ASA-CSSA Annual Meetings, November 2018.

Steps to improve fickle corn economic optimal nitrogen rate calculations, ASA-CSSA Annual Meetings, November 2018.

Small Grain Yield Response to Nitrogen Applications Following Alfalfa in Sevier County, Utah, 2018 NACAA Western Region, October 22, 2018.

Small grains yield response to nitrogen application following alfalfa in Sevier County, Utah, NACAA Western Region AM/PIC, October 22, 2018.

The soil health partnership database: Goals and perspectives, Soil Health Institute Summit, August 2018.


Young, Allen J


Young, Stephen

AI Weeding Robot, ASA-CSSA annual meeting, November 2018.

Water politics drive legislative action and management of invasive Phragmites australis in semi-arid regions of North America, Ecological Society of America, August 2018.

Invasive plants and ecosystems: ecological and management implications, Department of Natural Resources Seminar Series, January 2018.

Yun, Sang-Im

Host factors involved in porcine reproductive and respiratory syndrome virus entry, 99th Annual Conference of Research Workers in Animal Diseases (CRWAD), December 1, 2018.

Construction of a live chimeric Zika vaccine through the expression of viral envelope protein, 7th Annual ADVS Student Research Symposium, August 8, 2018.


Spontaneous mutations associated with Japanese encephalitis virus pathogenesis, 7th Annual ADVS Student Research Symposium, August 8, 2018.

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