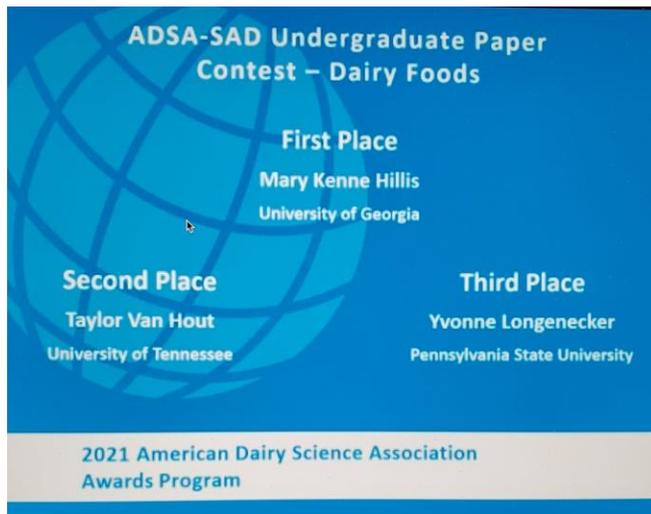


The Department of Animal & Dairy Science

Newsletter

Awards 2021

2021 Awards Newsletter



Kenne Hillis
First Place

CORONAVIRUS FOOD ASSISTANCE PROGRAM (CFAP I & II)

- Direct payments to farmers who suffered additional costs and market disruptions as a result of COVID-19
- According to the Milk Check Outlook, out of 23.5 billion total, about 13% went to dairy farmers
- Necessary assistance, but may have given many producers a false sense of security going into 2021
 - CFAP I payments were 7.5% of 2020 market cash receipts (Hoard's Dairyman Intel)
 - Incentivizes increases in production across the board without increases in demand

CARES ACT FUNDS **CCC FUNDS**

For each eligible producer, payments to be calculated by multiplying the hundredweight of milk production for the months of January, February, and March 2020 by the national adjustment of 1.014 and by 52.83.

For each eligible producer, payments to be calculated by multiplying the hundredweight of milk production for the months of January, February, and March 2020 by the national adjustment of 1.014 and by 52.83.

- Farm income in 2020 was highest in 9 years, but predicted to fall dramatically \$9.8 billion without government payments (USDA's February Farm Inlet Forecast)

USDA-CFAP (I) For Dairy Producers

First Place
National Chapter Website



Associate Professor Jennifer Tucker and PhD student Justin Burt

In this issue

- From the Department Head
- Faculty Awards
- Student Awards
- Tifton Campus Awards

Department Info

Department of Animal & Dairy Science

E.L. Rhodes Center
425 River Road
Athens, GA 30602
706-542-1852
ads.caes.uga.edu



College of Agricultural &
Environmental Sciences
UNIVERSITY OF GEORGIA

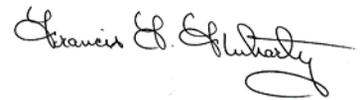
From the Department Head

Any organization is only as good as its people. As I have said many times since coming to Georgia, the best part of my job is that I get to work with truly talented people. This is a special awards issue, as the summer meetings for associations like

the American Society of Animal Science and the American Dairy Science Association have been completed. Several students, and faculty won awards, and we want to share their good news with all of you. Excellent faculty attract

excellent students, and we have some truly outstanding people. I am honored to get to work with them, and I hope you enjoy reading about them.

Sincerely,



*Francis Fluharty,
Animal and Dairy Science
Department Head*



J. L. Lush Award in Animal Breeding Award

Associate Research Scientist Shogo Tsuruta

The American Dairy Science Association (ADSA) has awarded Shogo Tsuruta as the 2021 recipient of the J. L. Lush Award in Animal Breeding. Tsuruta was recognized during the virtual ADSA Annual Meeting.

The J. L. Lush Award in Animal Breeding was created to recognize outstanding research in animal breeding. The winner must have done research work published in the 10 years immediately preceding the year of recognition, performed research in any area of animal breeding and genetics that had or has the potential for improvement of dairy cattle,

and have been a member of ADSA for at least five years. The winner must also be a resident of the United States, Canada, or Mexico and/or formally involved in projects in collaboration with North American researchers or organizations.

Shogo Tsuruta has been active in the field of breeding and genetics in dairy cattle for more than three decades. He obtained his BS and MS degrees in Japan, where his career began in genetic evaluation of Holsteins. He then moved to the United States for further education. Since completing his PhD at the University of Nebraska–

Lincoln, he has worked at the University of Georgia, where he is currently a research scientist. He is known for pioneering studies in dairy genetics and genomics, for developing powerful computer programs, and for his generous support of those programs to many junior and senior scientists.

The ADSA and the Council on Dairy Cattle Breeding presented Shogo Tsuruta with the 2021 J. L. Lush Award in Animal Breeding.



*Associate Research Scientist
Shogo Tsuruta*



Hoard's Dairyman Youth Development Award

Associate Professor Jillian Bohlen

The American Dairy Science Association (ADSA) has awarded Jillian Bohlen as the 2021 recipient of Hoard's Dairyman Youth Development Award. Bohlen was recognized during the virtual ADSA Annual Meeting.

The Hoard's Dairyman Youth Development Award was created to recognize a candidate who has had significant involvement in dairy-related youth activities either in a professional or volunteer capacity for a minimum of ten years. The recipient shall be highly regarded in the dairy industry for his or her role in personal development of dairy youth and for enhancing knowledge of and interest in the dairy industry.

Dr. Bohlen has a genuine passion for opening doors to young people in the field of agriculture. Bohlen has 17 credit hours of classes she teaches annually, maintains an adult

education program through her extension efforts, and has advised two graduate students working in applied reproduction. In that course, she has chaired the Southern Dairy Conference (2016), served as Southern Branch ADSA President (2018-2019), and had one of her graduate students receive 2nd place at the 2018 ADSA three-minute thesis competition and win the Southern Branch Graduate Student Paper presentation in 2019. Her passion for and belief in opportunities is an ever-present theme in the work that she does. Her fundamental dedication to education of young people coupled with her appreciation for what production agriculture has done for her make her a driving force in youth education and promotion in the dairy industry.

Dr. Bohlen was also selected for the 2021 cohort of the Special Collections Library Teaching

Fellowship. This program is built to "explore archives-based learning as a high impact learning practice through intensive workshops with archivists at the University's special collections libraries. Special Collections Libraries Faculty Fellows then apply this learning to adapt an existing course or to develop a new course to include an archives-focused approach to the pedagogy and the course content." Faculty for this program are selected based on "demonstrated passion for and excellence in teaching."

Dr. Bohlen is working on including archival material into her "Issues in Animal Agriculture class" where students will explore the people behind food animal production as well as their triumphs and struggles from past to present.



*Associate Professor
Jillian Bohlen*



UGA Teaching Academy Fellows Program and Lilly Teaching Fellow

Assistant Professor Valerie Ryman and Lecturer Holly Kinder

Valerie Ryman was selected for the 2020-2021 Teaching Academy Fellows Program and the Lilly Teaching Fellow for 2020-2022.

Up to ten faculty members are selected each spring semester to begin participation in the two-year program the following fall. A selection committee consisting of the program coordinators and three Lilly Fellows from prior years interview the finalists. Demonstrated passion for and commitment to excellence in teaching is a key factor in selection.

Holly Kinder has been selected for the 2021-2022 Teaching Academy Fellows Program.

The Teaching Academy Fellows Program runs from August through May. This program provides personal and group mentoring to early career faculty members in the areas of teaching and other early career issues. This includes, but is not restricted to, pedagogical techniques, classroom management, and student engagement at a Research I university.

Participants are expected to enthusiastically engage in all program activities, which include periodic whole-group meetings and monthly small-group activities. Small groups comprise five early career participants and two senior Teaching Academy member-mentors.

Program participants learn about the mission of UGA's Teaching Academy; get to know other early career faculty members from across campus; share experiences related to being early in their careers at UGA; meet and hear from seasoned UGA professors and administrators; see that quality instruction is important and valued at UGA; learn about the variety of instruction-related resources at UGA (e.g., Center for Teaching and Learning, Office of Service-Learning, CURO); and other issues facing all teachers, regardless of rank or classification (e.g., Academic Honesty).



*Assistant Professor
Valerie Ryman*

Lecturer Holly Kinder



Congratulations to our students!

First place award in the Southern Section ASAS PhD graduate student competition went to **Justin Burt**, PhD student with Jennifer Tucker.

Title: *The Effect of Storage Length on the Nutritive Value of Baleage in the Southeastern United States.*

Justin's doctoral research is focused on beef cattle nutrition and forage management specifically looking at alfalfa-bermudagrass mixtures for stocker cattle production in the Southeastern U.S. Upon completion of his PhD, Justin hopes to continue research and education efforts focused on livestock-forage production systems.

Kenne Hillis received first place in the Undergraduate

Dairy Foods Presentation with her talk titled *COVID aid: Differing effects on the milk market.*

Alyssa Rauton received second place in the Undergraduate Dairy Production Presentation with her talk titled *Concentration of Anti-Müllerian hormone in dairy heifers is positively associated with long term reproductive merit and productive herd life.*

Alyssa Rauton was recognized as the outgoing 2020-2021 National ADSA-SAD President while Tate Hunda was elected to serve as the incoming 2021-2022 National ADSA-SAD Secretary/Treasurer.

The University of Georgia Dairy Science Club chapter

was named the third most Outstanding in the Nation. First was Penn State and second was Virginia Tech.

The following students were presented with ADSA Scholarship Recognition Awards, which recognizes students consistently taking dairy related coursework and maintaining an outstanding academic record.

- Jorja Cooper
- Alex Schlottman
- Tate Hunda
- Kenne Hillis

Petrifilm Results

- Objectively scored via colony counts
- High levels of correlation between Petrifilm counts and CLS bacteria analysis ($P \leq 0.05$).
- Sample 37: 250 colonies
 - Pos for Staph aureus at $>10,000$ CFU/ML at CLS.
- Sample 32: 3 colonies
 - 32 tested clean at CLS.

Sarah Johnson presenting her research project
"Evaluating the impact of bacterial load and IgG concentration in colostrum on passive transfer in dairy calves."

Alyssa Rauton
National ADSA-SAD
President
2020-2021

2021 ADSA Student Affiliate Division
Awards Program

Secretary Treasurer
Tate Hunda
University Of Georgia

"I believe the Dairy Industry is very important and as a student this is the best way for me to maintain a strong involvement and investment in this community."

2021-2022 ADSA Student Affiliate
Division Officer Team



Congratulations to our students!

Morgane Golan has been awarded the ARCS Foundation Scholarship.

In 2000, UGA became a nominating institution of the ARCS Foundation. To date, this designation has facilitated in the funding of nearly 100 UGA students working in the sciences totaling \$1,413,000.

Every spring The Office of Research, in conjunction with the ARCS Foundation – Atlanta Chapter, invite faculty mentoring PhD students pursuing degrees in science, engineering, and medical research who excel in science communication to nominate their most promising students for this prestigious award.

Morgane Golan, a first-year PhD student in the Stice and West labs, will be developing a neural stem cell-derived extracellular vesicle (NSC-EV) therapy for the treatment of traumatic brain injury, using the pig as a model system. She is currently investigating the inflammatory response to neurotraumatic

injury, and is also working on a method for stable, long-term storage of NSC-EVs.

Golan will be assuming the role of President of the Regenerative Bioscience Center Graduate Student Association (GSA) this fall and looks forward to collaborating with the Animal and Dairy Science GSA in the coming semesters!

Golan completed her BS in Pre-Veterinary/Animal Science at the University of Massachusetts Amherst in the spring of 2020.

Clint Edmunds placed 2nd in the scholarship competition called Coffee & Careers In Animal Science.

The Coffee and Careers in Animal Science webinar series put on by the Sunswine Group took place during the 2020-2021 academic year.

Coffee and Careers in Animal Science was a great way to connect to other graduate students, and industry and academia professionals in the field of animal science.

Edmunds is from Bainbridge, GA

and in the final year of his PhD. In 2017 he started his Master's Degree at UGA under the direction of C. Robert Dove. His research emphasis during that time was in mineral nutrition of swine. He successfully defended his thesis, "Evaluation of Trace Mineral Supplementation in Neonatal and Nursery Swine," in July of 2019. He officially started his PhD program the following month, in the same area of study.

The primary project involves the evaluation of dietary manganese supplementation on the reproductive performance of sows. A variety of reproductive performance parameters and growth and feed intake data were collected over the course of 10 months and around 9 breeding groups. Edmunds has been heavily involved with the Graduate Student Association within the Department of Animal & Dairy Science and the University. Edmunds' estimated graduation timeline is May 2022.



Morgane Golan



Clint Edmunds



Tifton Campus Award of Excellence Winner

Andy Dunn – Sr. Technical Support Award

Andy Dunn is a shining star on the UGA-Tifton campus. Andy has been serving as the UGA-ADS Beef Manager for the past 5 years, and most recently has been promoted to the Alapaha and Tifton ADS Senior Farm Manager position.

However, Andy has a long history on the UGA Tifton campus. Andy has served in several capacities across this campus over the past 14 years. Through these positions he has developed strong and lasting relationships and a reputation for being a hard worker who is willing to aid anyone in need. He is highly dependable and goes above and beyond the call to make sure the job gets done, whatever it may be. During the past 5.5 years, Andy has made significant improvements to both the beef units in Tifton and

Alapaha, including improving and renovating pastures, clearing land for new pastures, and making necessary infrastructure improvements. Andy has done a fantastic job at coordinating these and other projects with other personnel to ensure that it is done with an exceptional level of efficiency.

In recent years, Mr. Dunn has devoted a large amount of his and his employee's time and energy to renovate the Black Shank grazing paddocks into what is now known as the Better Grazing Program Southern Location in Tifton, GA. To accomplish this task, he coordinated with several departments across campus and maximized on others knowledge and expertise to help in the extensive pasture renovation and location restructuring. He continually

works across departments and program and utilizes the multitude of expertise on the UGA-Tifton campus to assist others as well as getting answers to challenging agricultural questions. He advises and assists the Beef program research technician and student employees on various topics including installation of fencing and watering systems, animal handling and management, and pasture production. He will even go so far as transporting equipment to various locations help improve project progress when necessary. Along with his cattle and land management responsibilities, Andy has taken an active role in assisting faculty in accomplishing their research goals (although some days we believe he prefers the cows to the faculty members).

Continued on next page.



*Andy Dunn
Alapaha and Tifton
ADS Senior Farm Manager*



Tifton Campus Awards

Andy Dunn – Sr. Technical Support Award

Continued from previous page.

In addition to his contributions to the Better Grazing Program, Andy has collaborated with faculty members across departments to establish projects on weed control, pasture renovation, species suitability, etc. While he isn't responsible for the data collection on projects, he does go above and beyond to make sure the researchers have the necessary equipment and locations they need for the projects and helps keep an eye on things when researchers are not able to be present on a daily basis. Mr. Dunn is willing to discuss potential research projects and provide input on the applicability of these projects to the end-user which is important for the researcher to understand and incorporate into their research and educational programs. His input provides direction and helps keep faculty grounded to the producers we serve. This has

helped the researchers and Extension specialist maintain their applied research focus with the end-user in mind, as well as develop additional projects that help answer questions producers are facing that we might not even realize are happening.

Mr. Andy Dunn has developed a relationship that reaches far beyond the fence lines in Tifton and Alapaha. His work ethic, understanding that we are a research institution, and willingness to work cooperatively with faculty has given several Athens faculty members the desire to conduct research projects in Tifton and Alapaha. This reputation far surpasses the stateliness of Georgia as he has recently fielded several job offers from universities as far away as Montana. Andy is a very reliable, dependable, and essential employee and works to continually exceed the expectations of all. He is a

true asset to the Animal and Dairy Science program in Tifton and the UGA Tifton campus. Andy understands the important value of the work conducted at the UGA-Tifton campus and strives to meet the tri-partite mission of the land grant university system. He works closely with all ADS faculty to help meet the research and extension needs of the program while constantly striving to improve the ADS Beef Unit(s) in South, GA. He takes pride in his position at the UGA-Tifton campus, and it is evident in his work. These qualities are even more evident as he has started a successful transition of the ADS farm units to Beef dominance in his new role as Alapaha and Tifton ADS Senior Farm Manager. Andy Dunn is an excellent example of the exemplary employees we have at the UGA-Tifton campus.



Tifton Campus Award of Excellence Winner

Ashley Golden – Administrative Support Award

Ashley Golden has only been employed on the UGA-Tifton Campus for two years. Covering both ADS & CSS, she has quickly excelled in learning University financial systems, supporting faculty, and became a key player in the Administrative Support Team for the campus. Ashley Golden is a driven, self-motivated individual who is very knowledgeable in many systems within the University of Georgia. She has not only taken the necessary time and effort to learn many ever-changing and complex UGA programs including UGA Jobs, One USG Faculty & Staff Portal, One Source Financials, UGA Mart, and WORKs P-Card system, but has excelled

as a proficient user and resource for others in like roles. Ashley has learned to be proactive and productive in the tasks associated within each of the systems to enhance faculty and staff efficiency within their own jobs. Currently Ashley assists 8 faculty members, 20 staff members, 18 student assistants, and 16 graduate students throughout the year.

Ashley is very dependable, task oriented, takes initiative no matter the task at hand, and *always has a wonderful attitude, something to be commended considering the hardships endured during her time at UGA-Tifton.* It is easy to see that her initiative

and encouraging attitude has created many healthy and lasting work relationships within ADS and CSS as well as across the campus. Ashley is a joy to be around and work with!

Ashley Golden is a go-getter with the necessary flexibility in a constantly changing university system. Ashley's first 6 months were spent solely in Crop and Soil Science when she was asked to join Animal & Dairy Science. When approached with this transition, Ashley was disappointed to leave her folks in CSS, however she jumped at the opportunity to help fill a void in a desperately

Continued on next page.



Ashley Golden
Administrative Support



Tifton Campus Awards

Ashley Golden – Administrative Support Award

Continued from previous page.

needed position within ADS. Ashley joined ADS eagerly and quickly became part of the ADS family unknowing that more changes were on the horizon.

In 2020, with the announcement that the ADS Dairy would be closing and a significant reduction in force was occurring, Ashley kept up her work and positive attitude to try and shine some light in a gloomy situation. Fortunately, through this transition she gained the opportunity to reclaim some of her previous CSS faculty while continuing to serve the ADS department in Tifton.

The faculty and staff whom Ashley serves across both departments agree that she does a wonderful job and is an asset to the UGA-Tifton campus.

To say that 2020 has been very hard for many of us across the UGA-Tifton Campus would be an understatement. During the first few months of the COVID pandemic Ashley worked solely for Animal and Dairy Science, a department that functions 24 hours a day, 7 days a week. As part of the ADS department Ashley was listed as an essential employee, and while

she was given the option to work remotely, she felt she was needed in house and elected to follow CDC guidelines and continue to come in almost every day. During a very unprecedented time, Ashley sacrificed her time and family and went above and beyond to help better the department, campus, and UGA-Tifton community. Ashley Golden is an outstanding addition to the UGA-Tifton family and is very deserving of consideration for the UGA-Tifton Campus Awards for Excellence in Administrative Support.

