Summer 2018

Animal Science Department News

Department of Animal Science

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Welcome New Graduate Students:

Samuel Ariyibi is a native of Ada Osun state Nigeria. He received his B.Tech. (Hons) Animal Production and Health Degree from Ladoke Akintola University of Technology Ogbomoso, Oyo State, Nigeria in 2014. He received his M.Sc in Animal Science (Poultry Nutrition) in 2018 from University of Manitoba Canada. He is working in Swine Nutrition with Dr. Woyengo.

Tiffany Bruhn (Cadott, WI) received her B.S. in Animal Science at the University of Wisconsin-River Falls in 2017. She is working in Swine Nutrition with Dr. Crystal Levesque.

David Clizer (Columbia, MO) received his B.S. and M.S. in Animal Science at the University of Missouri-Columbia. He is a Ph.D. Graduate student and the Off-site Swine Unit Assistant Manager working with Dr. Ryan Samuel in Swine Nutrition.

Talia Everding (Lincoln, NE) received her B.S. in Animal Science from the University of Nebraska in 2016. She is working with Dr. Crystal Levesque in Swine Nutrition.

Anly (Angie) Fresno-Rueda (Chiquinquira, Colombia, South America) received her B.S. in Animal Science at the National University of Colombia in 2018. She is working with Dr. Benoit St-Pierre in Ruminant Microbiology.

LeAnn Hall (Lafayette, IN) received her B.S. in Science BioChemistry from Purdue University in 2009. She is working on her M.S. degree in Swine Reproductive Physiology with Dr. Jeff Clapper.

Jessica Janssen (Fowler, IN) received her Associate Degree from Ivy Tech Community College and her B.S. in Animal Science from Purdue University in 2018. She is working in Meat Science with Dr. Amanda Blair.

Saulo Menegatti Zoca (Americana, Sao Paulo, Brazil) received his M.S. at the University of Idaho and his DVM from Sao Paulo State University. He is working on his Ph.D. in Beef Reproductive Physiology with Dr. George Perry.

Bradie Schmidt (Arlington, NE) received her B.S. in Animal Science from SDSU in 2018. She is working in Genetics with Dr. Michael Gonda.
Austin Egolf (Dillsburg, PA) received his B.S. in Agricultural Studies at Iowa State University in 2018. He is working on his M.S. in Meat Science with Dr. Keith Underwood.

Welcome Post Doctoral Researchers:

Dr. Jinsu Hong is from South Korea and received his Ph.D. in Agricultural Studies from Seoul National University in 2018. He is working with Dr. Tofuko Woyengo in Swine Nutrition.

Dr. Jodi Morton is from Milligan, NE and received her Ph.D. at Kansas State in Animal Science in 2018. She is working with Dr. Crystal Levesque in Swine Nutrition.

Welcome New Lab Technicians:

Jimena Alejandra Ibagon Pardo (Choachi, Colombia, South America) and Cristian Camilo Sanchez Tovar (Bogota, Colombia, South America) are working under the direction of Dr. Tofuko Woyengo in Swine Nutrition.

Welcome New Faculty and Staff:

Dr. Zach Smith began employment in July in the Animal Science Department as an Assistant Professor in Ruminant Nutrition. He received his Ph.D. at Texas Tech University in 2018. He earned his M.S. from SDSU in 2015 and his B.S. from Texas Tech University.

Words from Dr. Smith: I plan to focus my research program on the precision use of growth enhancing technologies in beef cattle. I have many Jackrabbits in my academic pedigree...My Ph.D. was under the guidance of Dr. Bradley Johnson an alumnus and former faculty member of the Department, and my M.S. was completed at SDSU under the guidance of Dr. Robbi Pritchard. My significant other (Shyan), her son Maddox, and I along with our hairless cat Bonnie arrived in Brookings at the end of July. We are all very excited about the opportunities that await us in South Dakota.

Terese Van Ravenswaay joined our department August 13 as the Information Assistant. She and her husband, Rick moved from Sioux Falls to Brookings in June. They are natives of Sioux Center, IA and have two daughters - Jessica (21 years old) and Ashley (18). Jessica lives and works in Sioux Falls. Ashley attends Northwestern College, Orange City, IA. We look forward to life in Brookings!
Retailment Party - June 19, 2018:

Deon Simon retired after working 25 years at SDSU as a Chemist.

Dennis De Boer retired after 15 years as an Ag Research Tech for the Ruminant Nutrition Center.

Carol Kleinjan retired after 18 1/2 years of service in the Animal Science Department and 25 years at SDSU.

ASAS-CSAS National Meeting:

The annual meeting of the American Society of Animal Science (ASAS) and the Canadian Society of Animal Science (CSAS) was held July 8-12 in Vancouver, British Columbia. Dr. Joe Cassady and Dr. Cody Wright attended the International ASAS meeting. Dr. Cassady attended as a member of the Board of Directors.

Poster presentations were given by Dr. Julie Walker “Influence of estrous synchronization on herd calving and weaning weight” and Dr. Tofuko Woyengo “Growth performance and nutrient digestibility of grow-finish fed corn-DDGS-soybean meal-based diets without or with a combination of protease and direct fed microbial,” “Growth performance and nutrient digestibility of weaned pigs fed multi-enzyme supplemented corn-soybean meal-based diets” and “Growth performance and nutrient digestibility of weaned pigs fed multi-enzyme supplemented corn-barley-soybean meal-based diets.”

Research presentations were given by Amy Abrams on “Implementing a classroom assessment technique to improve student engagement, communication, and performance in an introductory animal science laboratory course;” Wyatt Smith on “Late breaking: mucosal disaccharidase kinetics in the jejunum of steers with divergent average daily gain.” Venkata Bandarupalli and Prakash Poudel “Feeding microbially enhanced soy protein in starter pellets affects the fecal microbiome composition of growing dairy calves.” Jung Wook Lee "Nutrient digestibility of multi-enzyme supplemented low-energy and -amino acid diets for grower pigs".

Emily Petzel presented an abstract “An evaluation of digestibility and caloric value of different botanical parts of corn residue fed to cattle.”
Livestock Judging Camp:

The SDSU Youth Livestock Judging Camp held two sessions in the Animal Science Arena. Session 1 took place June 4-6 with Session 2 on June 8-10. The sessions were available to students age 8-18 years. Instruction at the camp covered live evaluation of the primary livestock species (cattle, sheep/goats and swine), as well as preparation and critique of oral reasons. More than 80 campers from South Dakota, Minnesota, Wisconsin and North Dakota attended the camp. Next year’s Livestock Judging Camp will be June 10-12 and June 13-15 on campus.

SDSU Hosts:


Dr. Jeff Clapper hosted the Regional meeting of the NCERA57 (Multistate Research Coordinating Committee and Information Exchange Group) May 22-23. Approximately 100 people attended the two-day meeting.

Travel Notes:

Dr. George Perry attended the Applied Reproductive Strategies in Beef Cattle Conference August 29 –30 in Ruidoso, NM. He presented data entitled “Key to successful synchronization and AI program.”

Dr. Tofuko Woyengo attended the 14th International Symposium Digestive Physiology of Pigs August 21-24 in Brisbaine, Australia. The scientific framework of the program centered around the digestive system, focusing on specific aspects such as the emerging areas of the Microbiota and the nutrient chemosensory mechanisms in the pig gastrointestinal tract. In particular, they targeted the latest advances in the field of digestive physiology, which will illustrate the future research trends. Dr. Woyengo presented “Growth performance and gut health of weaned pigs fed berberine-containing diets.”

Dr. Jeff Held attended the 13th annual Center of the Nation NSIP Sale which was held July 28, 2018 at the Clay County Fairgrounds in Spencer, IA. The sale was the largest to date; sheep were sold to 16 states.

Dr. Keith Underwood judged the cured meat championship at the American Association of Meat Processors Convention July 19-21 in Kansas City, MO.

Dr. George Perry attended the 4th International Simposio Avances en Reproduction Bovina July 19-20 in Guadalajara, Mexico. He gave two presentations during the conference, “Effects of nutritional management around the period of artificial insemination on embryo development and pregnancy rates in heifers” and “Effect of follicular maturity on the establishment of pregnancy.”

Dr. Joe Cassady attended the Beef Improvement Federation Records Symposium and Convention June 20-22 in Loveland, CO. This year’s BIF symposium featured educational programming as well as tours.
Dr. Crystal Levesque and several graduate students attended the World Pork Exposition and Trade Show June 5-8 in Des Moines, IA.

Horse Unit Open House:
The Horse Club hosted an Open House at the SDSU Horse Unit August 29 from 5:00 - 7:00pm. Approximately 85 students shared a meal, participated in yard games, practiced roping and “horsed” around! The evening was a way to connect students and to learn more about the Horse Unit and Horse Club.

Condolences:
We express our sympathy to Dr. Crystal Levesque and family on the loss of her father of Saskatoon, Saskatchewan Canada who passed away July 6.

Congratulations:
Ethan Blom and Wes Gentry, Ph.D. Graduate students, attended the 2018 Feedlot Nutritionist Bootcamp August 6-10 in Amarillo, TX. As part of the event, the group was split into teams of two to work on a project. The project was to develop a management plan for a hypothetical feedlot. Of 14 teams, Ethan and his team-mate, Leonardo Sitorski of NDSU, had the top ranked project. Good job, guys!

Dr. Amanda Blair was promoted to the rank of Professor in August.

Graduate student Jamie Ortman presented a seminar prior to her successful M.S. Defense on June 29. The seminar was entitled “A bioinfomatic analysis of luminal and mucosal ileal bacteria colonizing nursery pigs fed different protein sources.” She is attending graduate school at Oklahoma State University.

Graduate student Emily Petzel presented a seminar prior to her successful M.S. defense on July 23. The title of her seminar was “An analysis of corn residue: Estimates of diet selection and energy value of different botanical parts”. She is attending graduate school at Missouri State University.

Charlotte Kay was born June 4 to Corey and Melissa Granum. She weighed 7 lbs, 9 oz and was 20 1/4 inches long and joins her big sister Clara at home. Melissa is a co-instructor for AS-389.

Dr. Robbi and Terry Pritchard welcomed a new grandson into the family. Jack Joseph was born June 14 to Calli and Tate Williams. He weighed 7 lbs, 7.6 oz and was 21 inches long.

Anna Taylor (B.S. 2007, M.S. 2012, Ph.D. 2015) married Jason Smith September 1 on her family ranch in North Dakota. Anna works for Cargill in Elk River, MN and Jason works for the University of Tennessee.

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Submitted by Terese Van Ravenswaay, Editor