MISSISSIPPI STATE UNIVERSITY HORSE JUDGING and EQUESTRIAN TEAMS

Saturday, May 6th at 4:45 p.m. * The Mill Conference Center
Cost: $35 per person, $400 for table sponsorship of 10

~ Festivities ~

Live Screening of the 143rd Kentucky Derby * Silent and Live Auctions
Dinner and Team Slideshows
Awards for “Best Dressed” and “Best Derby Hat”
Spring Derby Attire: https://www.kentuckyderby.com/party/fashion

RSVP by Friday, April 28

Email Dr. Clay Cavinder at clay.cavinder@msstate.edu
2017 Mississippi State University Dairy Open House

Saturday May 20, 2017
10:00 AM to 2:00 PM
(lunch will be provided)
MSU Bearden Dairy Research Center
2128 Turkey Creek Road
Starkville, MS 39759

Speaker topics will include:
How and why to manage heat stress
Economics of center pivots
How to effectively feed pastured cows

Attendees will also have the opportunity to tour the farm, see the center pivot in action, and learn about pasture management techniques (what to do and what not to do – from our own experience)

Contact Amanda Stone for more information: amanda.stone@msstate.edu or 662-769-9941
OKLAHOMA CITY SPRING SWEEPSTAKES

By Dr. Clay Cavinder

The 2017 MSU Horse Judging team competed in its first contest on April 12 in Oklahoma City at the Spring Sweepstakes. The team was 2nd high team in Performance and 11th overall out of 33 colleges and university teams. Hannah Kruse, a sophomore from New Haven, MO, was 7th high individual in Performance, and Alex Blackburn, sophomore from Franklin, TN, was 6th high individual in Performance.

Mary Claire Cornett, Hattiesburg
Shawna Downs, Raleigh, NC
Rachel McDaniel, Brookhaven, MS
Christian Hines, Mountain Brook, AL
Hannah Kruse, New Haven, MO
Cheyenne Jones, Hickory Flat, MS
Alex Blackburn, Franklin, TN
Tori Stroupe, Tupelo
Upcoming Extension Events

Beef Extension – Dr. Brandi Karisch Cobie Rutherford

- Beef Cattle Boot Camp on April 21, 2017 in Starkville, MS
- MSU Beef Unit Field Day on April 29, 2017 in Starkville, MS

Equine Events – Dr. Clay Cavinder

- Management 101: Ranch Horse Series-Tues. 6-9 pm in Verona, April 11-May 16
- Cow Horse and Ranch Handling Clinic on May 13, 2017 from 9am - 3pm—prepare for competing in 2 new classes at the 2017 State 4H Show. $30 fee; Lunch provided; Forrest Co. Multipurpose Center, Hattiesburg, MS
- For more info, contact Dr. Cavinder at clay.cavinder@msstate.edu

4-H Events – Dr. Dean Jousan

- State 4-H Livestock Judging Contest, MSU South Farm, Starkville on Saturday, May 20, 2017.

Dairy Events – Dr. Amanda Stone

- Bearden Dairy Research Center Open House: May 20, 2017
Kutchy receives COMPASS Outreach Grant from the American Society of Cell Biology

Naseer A. Kutchy, a Ph.D. candidate in the Department of Animal and Dairy Sciences, received Committee for Postdocs and Students (COMPASS) Outreach Grant ($500) from the American Society of Cell Biology (ASCB; http://www.ascb.org/) for his proposal titled “Cell Biology for Life”.

The goals of the funded project are to inspire middle school students to study the essential unit of life and encourage careers in science, and help build a sustainable resource for the study of cell biology at Starkville Science Club. (https://starkvillescienceclub.wordpress.com/)

The rationale is that students will develop better understanding and appreciation of cell biology and pursue careers in science. The significance is that the students empowered with knowledge of cell biology will help advance science and solve major challenges in agriculture, natural resources, and medicine.

Working under the guidance of his project advisors, Dr. Erdogan Memili of Department of Animal and Dairy Sciences, and Dr. Jessica Tegt of Department of Wildlife, Fisheries, and Aquaculture, Naseer plans to purchase microscopes and slides of different cell types for Starkville Science Club. In addition, Naseer will develop and deliver a presentation and workshop for the middle school students in Starkville Science Club.

Recipient of the competitive Ph.D. fellowship from the Indian Council for Agricultural Research (ICAR), Naseer, is pursuing his dissertation research “Sperm Genetic and Epigenetic Mechanisms Regulating Bull Fertility” with guidance from his graduate advisor and mentor, Dr. Memili.
Gunnar Dunham conducted a project involving the grazing dairy cows at the Bearden Dairy Research Center. The aim of this study was to determine if additional exercise in grazing, lactating dairy cows affected milk production, milk quality, and uterine artery blood flow during late gestation.

We put pedometers on grazing cows and walked them daily to increase the number of steps they took. This did not change milk production or quality and did not alter blood flow to the uterus during late gestation.

Undergraduate volunteers assisted Gunnar and he worked closely with several graduate students and Drs. Stone, Lemley and Larson.
Peyton Haynes, a senior majoring in Animal and Dairy Sciences with a concentration of science/veterinary medicine, and minoring in chemistry, has received second best in the Biological Sciences and Engineering category and an honorable mention in the Public Health abstract competition at Mississippi State University’s Spring Undergraduate Research Symposium. (http://www.honors.msstate.edu/research)

On Thursday April 13, 2017, Peyton presented her poster “Epigenetic Control of Male Fertility through Sperm Histone 4” and spoke on her topic for the Thesis Research Competition at the Symposium.

Peyton’s presentations stem from her research in Dr. Erdogan Memili’s laboratory where she has also received guidance from graduate mentor Naseer Kutchy, and others, and took the class ADS 4440 Research Experiential Practicum as well.
The Department of Animal and Dairy Sciences at Mississippi State University cordially invite you to attend the

2017 Annual Awards Banquet

Monday April 24, 2017
Hors d’oeuvres and live music beginning at 6:30
Program beginning at 7:00
Desserts and music following

Boett Building B, MSU campus

Please RSVP by April 17th
662-325-2802 or J.Larson@msstate.edu

Crawlin’ Caleb’s Blues Revue
Graduate Student Assistantship  
Dairy Systems Management  
Department of Animal and Dairy Sciences  
Mississippi State University

One graduate research assistantship (M.S. in Animal and Dairy Sciences) will be available for a fall 2017 start with a focus on pasture dairy management, including methods to abate heat and prevent mastitis.

This assistantship includes an annual salary stipend, tuition and fees, and health insurance benefits. Each student will also have the opportunity to be involved in other departmental activities including participation in dairy Extension programs, assisting with dairy 4-H activities, assisting with undergraduate courses, and presenting work at regional and national meetings.

Qualifications:

Applicants must have earned a BS degree in animal sciences, biology, or a related field with a minimum 3.0 GPA. The ideal student will have a strong background in animal production, a strong work ethic, and excellent written and oral communication skills. Experience with dairy cattle is preferred. Additionally, applicants should have an interest in assisting with dairy Extension activities. The student should be able to work independently and within a team environment.

Application Process:

1. Contact Dr. Amanda Stone (amanda.stone@msstate.edu) by email with (1) a statement of interest, (2) a copy of a current resume/CV, (3) and current GPA/GRE scores.
2. Complete the official graduate program application:  
   https://mybanner.msstate.edu/prod/wwskzlog.P_DisplLoginNon

Applications will be accepted until May 31, 2017 or until a candidate is found.

Contact Amanda Stone at amanda.stone@msstate.edu or 662-769-9941 if you have any questions or want to learn more about potential projects.
2017 Refereed Publications:


2017 Book Chapters: