



• Teaching • Research • Extension • Departmental Activities

Teaching



On Thursday of last week, bids for the new Meat Science and Muscle Biology Laboratory were reviewed by IHL. In order for us to proceed with construction, the total cost of construction needed to be below \$7,000,000 including add alternatives like chairs and equipment for the classroom and lab benches.

Dr. Blanton is pleased to report that we received 7 bids and the lowest bid was \$6,348,000 and included all add alternates. It will take 4-6 weeks for all the necessary contracts to move through IHL, but we anticipate a ground breaking of late April or early May and a 15 month construction time.

Research

Dr. Erdogan Memili has received a conference travel fellowship from the Society for the Study of Reproduction (SSR) to present his invited talk "Sperm Macromolecules Associated with Bull Fertility" at the biannual conference of Association for Applied Animal Andrology (AAAA) to be held in Tours, France, June 2016. Dr. Memili's trip will be funded by the SSR and AAAA.

Dr. Erdogan Memili organized and chaired a symposium titled "From bench to barn: Effects of bull fertility or sperm factors on embryo development and cattle agriculture" at the annual conference of the International Embryo Transfer Society (IETS) in Louisville, KY on January 25, 2016. He also gave a presentation "Systems biology of sperm and bull fertility" in the same symposium.

Extension

BEEF 101

Beef from the Rail to the Plate

TUESDAY, MARCH 15TH

BALLEW HALL - MISSISSIPPI STATE UNIVERSITY

Topics for BEEF 101 include:

CARCASS GRADING

FROM MUSCLE TO MEAT

FABRICATING A BEEF CARCASS



Pre-registration is required for the BEEF 101 program as space is limited to the first 30 individuals!

Pre-register online at:
msucares.com/livestock/beef

For more information on BEEF 101 contact:

Dr. Brandi Karisch
Beef Extension Specialist
brandi.karisch@msstate.edu
662-325-7465

Cobie Rutherford
Beef Extension Associate
cobie.rutherford@msstate.edu
662-325-4344

Conducting Beef 101 will be:

- Tim Armstrong
- John Blanton
- Derris Burnett
- James Cannon
- Thu Dinh
- Brandi Karisch
- Cobie Rutherford
- Graduate Students

Extension

UPCOMING EVENTS

4-H Events:

- February 29, 2016—FARMTASTIC, Jackson County
- For more events, go to [Mississippi 4-H Calendar of Events](#) or contact **Dean Jousan** dj230@msstate.edu

Beef Extension Events:

- March 2, 2016 - [BCIA Annual Meeting and Supper](#), Hinds Bull Sale Facility, Raymond, MS

For more events go to [Beef Cattle Calendar of Events](#) or contact **Brandi Karisch** brandi.karisch@msstate.edu or **Cobie Rutherford** cobie.rutherford@msstate.edu

Riding Clinics:

- Horse Management 101 Clinic in Winona, MS - This 8-wk course starts March 22 and runs from 6-9 PM each Tuesday night through May 10, 2016.
- April 2, 2016 - Ranch Riding Clinic in Richton, MS.
- July 2016 - Basic Horsemanship Clinics at the county/district level. Agents have been asked to organize riding clinics in their areas to address topics such as making a more enjoyable horse, leads and lead departures, side passing and two tracking, speed control, bridling up, stopping, and much more! Clinicians from MSU will teach these clinics. Please contact your county agent to organize one of these clinics if you are interested.

The Mane Event:

The MSU Extension Service is proud to introduce a new informational video series! The Mane Event is a monthly “how-to” video series concerning horse management, nutrition concerns, and training tips. These short informative videos provide a source of information to all who are interested in horse care, use, and riding.

- Neck Reining - February (newest video)
- Link to Video web page: [The Mane Event](#)

For more info, go to [Horse Production in Mississippi](#) or contact **Clay Cavinder** clay.cavinder@msstate.edu

Departmental Activities

Academic Insight 2016

On Saturday, February 20, 2016, several faculty, staff and students spent their morning assisting with the 2016 Academic Insight event where just over 40 students attended the breakout session for Animal and Dairy Sciences. The Departmental breakout session is designed to give prospective undergraduate students the opportunity to visit each of the farm units and get hands-on experience in an effort to excite them about becoming an Animal Scientist.

This year, students got to test out their skills in collecting rumen contents, evaluating equine conformation as it relates to function, milking a dairy cow and bottle feeding calves. In addition to activities at each of the farm units, the students also had the chance “glove up” for a gross anatomy lab at the Wise Center. The breakout session was concluded by a pulled pork lunch, provided and served by the Meat Chemistry & Cuisine group.

The importance of this event and the opportunity it provides for students to gain additional “insight” about the Department of Animal and Dairy Sciences is immeasurable as it not only excites the prospective student, but it is also educational for the parents and guest of the attending students. Many thanks to those who selflessly gave up their day “off” to help with this event. Your work does not go unnoticed and is greatly appreciated!



Kenneth Graves and Student



Emily Ferjak & Jamie Burkhardt



Lab Exhibits



ADS Clubs & Organizations



Anuraj, Drs. Blanton, Dihn & Burnett



Lauren Hodge & Fistulated Cow

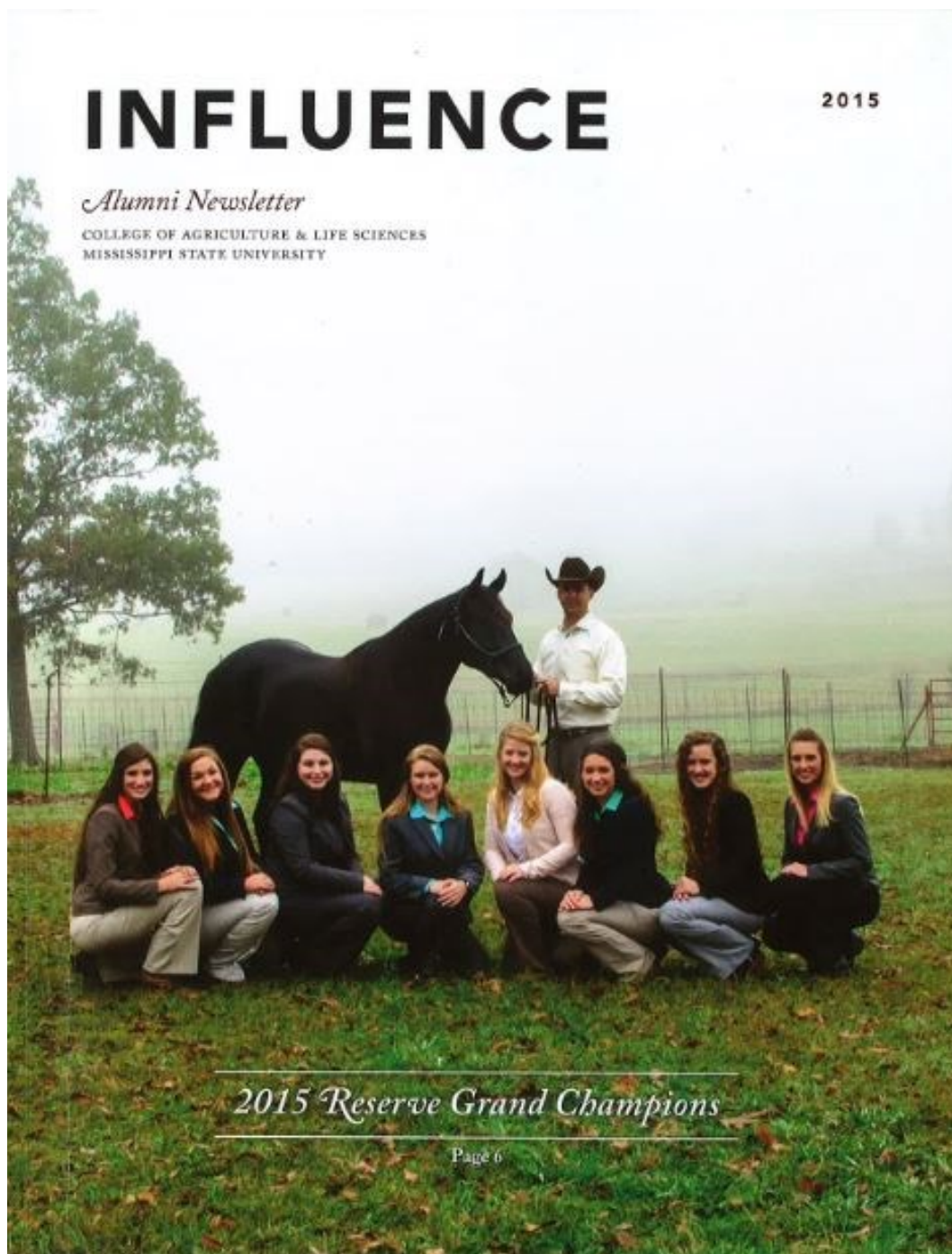
Departmental Activities

Many thanks to **Karen Brasher** for a job well done. Our department won the Award of Excellence for our ADS website. Thanks to all the faculty and staff that contributed to the web site content. Again, thanks Karen for making us look so good!



Departmental Activities

Mississippi State Horse Judging Team and Advisor, Clay Cavinder, are featured on the cover of *INFLUENCE*, the CALS Alumni Newsletter.



Departmental Activities

Also recognized in the same issue of *INFLUENCE*, is our department's annual Beefing up the Bulldogs.

Beefing up the Bulldogs

MISSISSIPPI STATE'S HEAD FOOTBALL COACH DAN Mullen, along with his daughter Breelyn, gave a calf a bottle; freshman Alec Murphy and other members of the Mississippi State University football team play with a goat during the fifth annual Beefing Up the Bulldogs event at MSU on Aug. 16, 2015. Event sponsors included the Mississippi Cattlemen's Association, the Mississippi Beef Council, First South Farm Credit and the MSU Department of Animal and Dairy Sciences.



Departmental Activities

INFLUENCE, the CALS Alumni Newsletter, published articles on two more ADS faculty.

Dr. Jane Parish is the new Executive Director of the Beef Improvement Federation.

Dr. Peter Ryan received the Dean of Students Award of Excellence.

ANIMAL AND DAIRY SCIENCES



MSU professor to lead national beef organization

DR. JANE PARISH, AN ANIMAL AND dairy sciences professor, is the new executive director of the Beef Improvement Federation, which works to connect science and industry to improve beef cattle genetics. Parish, who is based at the Mississippi Agricultural and Forestry Experiment Station Prairie

Research Unit, took over the leadership position at the 47th Beef Improvement Federation Annual Convention and Research Symposium on June 11, 2015 in Biloxi, Mississippi.

Read more about Parish and her work at <http://mafes.msstate.edu/discovers>

Peter Ryan receives Dean of Students Award of Excellence

IN RECOGNITION OF HIS CONTRIBUTIONS to student well-being, Mississippi State's associate provost for academic affairs received the Dean of Students Award of Excellence. Dr. Peter L. Ryan, who has been at MSU for more than 15 years, becomes only the seventh recipient of the honor since its inception. In

his role as associate provost, Ryan's responsibilities include academic affairs and student services. A member of the university's behavioral intervention team and associate dean's council chair, he also is a professor of reproductive physiology in the Department of Animal and Dairy Sciences.

2016 Refereed Publications:

Brockus, K. E., C. G. Hart, C. L. Gilfeather, B. O. Fleming, **C. O. Lemley** (2016). Dietary melatonin alters uterine artery hemodynamics in pregnant Holstein heifers. *Domestic Animal Endocrinology*, 55, 1-10.