

Animal & Dairy Sciences Newsletter Vol. 87



MISSISSIPPI STATE UNIVERSITY

Features

ADS 2223 STUDENTS VOLUNTEER - 2

BEEF IMPROVEMENT FEDERATION- 3

**2018 DEEP SOUTH STOCKER
CONFERENCE - 4**

MSU HORSE SALE - 5

RUN FOR THE ROSES BANQUET - 6

**CONGRATULATIONS TO MARY CLAIRE
CORNETT - 7**

**MSU COLLEGIATE CATTLEMEN'S
ASSOCIATION HEADS TO BRAZIL - 8**

UPCOMING EVENTS - 9

ADS 2223 STUDENTS VOLUNTEER AT ANIMAL SHELTER



The ADS 2223 Companion Animal students are volunteering at a local animal shelter.

Working in pairs, they assist with daily activities at the shelter in Louisville, Mississippi. The shelter was short-staffed and the students volunteered to assist with daily duties.

Director of the shelter, Barbara Yarborough, trained, coordinated and assessed the students.

The students are also raising funds by selling Avon bubble bath.

If you are interested in contributing, please contact ADS 2223 instructor, Dr. Molly Nicodemus at 325-9271.


BEEF IMPROVEMENT FEDERATION




BIF

Have you registered yet for the 50th BIF Research Symposium and Convention? Be sure to visit <https://beefimprovement.org/> for a complete schedule and registration information. Early registration ends May 31.

Founded in 1968, BIF's mission is to help improve the industry by promoting greater acceptance of beef cattle performance evaluation.



BEEF IMPROVEMENT FEDERATION
50th Annual Research Symposium and Convention
ELEVATING THE INDUSTRY
JUNE 20-23, 2018
Embassy Suites Convention Center Hotel | Loveland, Colo.




For 50 years, BIF has provided the framework, discussion, education and guidelines for the practical application of the science of beef cattle genetics.

Join us for the 50th Anniversary Convention as BIF looks at:



- Positioning for the future of beef production
 - Ethical Beef Meat Production
 - Quality
 - Sustainability
 - Beef's Best Condition
 - Alternative Selection Objectives
- Who will own our data and our industry?
- Where is the data and how will it be used?

There will also be a Young Producers Forum, afternoon breakfast sessions and night activities, including an evening at the CSU Mall on Club.

Sponsored by:



ANIMAL SCIENCES
COLORADO STATE UNIVERSITY

2018 DEEP SOUTH STOCKER CONFERENCE

JULY 13, 2018
HALE COUNTY COLLEGE AND
CAREER ACADEMY
GREENSBORO, ALABAMA

2018 DEEP SOUTH STOCKER CONFERENCE

8 A.M. TO 4 P.M.

Topics:

Forage and Supplemental Nutrition
Receiving Calf Health Management
Market and Weather Outlook
Producer Panel

Register at:

<http://www.deepsouthstocker.org/registration/>

Contact:

Dr. Kim Mullenix: (334) 844-1546 or

Brenda Glover: (334) 624-8710



EXTENSION

Join us for the 2018 Deep South Stocker Conference and learn more about stocker production.

MSU HORSE SALE

MSU Horse Sale Bid May 11-13, 2018

Viewing at Horse Unit Open House 5/5 from 9-11 am

Athleticism

Quality

Versatility



Facebook: Mississippi State University Horse Unit

Contact: Ashley Shiffler - (580) 795-4349 - aes779@msstate.edu

Quick, Convenient Bidding At AUCTION.MSUCARES.COM

Bidding begins at 8 am the 11th and closes at 8 pm the 13th

RUN FOR THE ROSES BANQUET



Equine groups, Audrey Jones and Reason Rutherford

The second annual Run for the Roses Banquet was a huge success! Thank you for everyone who came out to support the horse judging and equestrian teams!

They presented a live viewing of the 144th Kentucky Derby. There was a live and silent auction as well as a dinner.

CONGRATULATIONS TO MARY CLAIRE CORNETT



Mary Claire and Coach, Ashley Shiffler



Congratulations
to Mary Claire
Cornett for
earning 5th place
at the IHS
National
Championships!

We are so proud
of you for your
hard work and
determination
and blessed to
have you on this
team!

MSU COLLEGIATE CATTLEMEN'S ASSOCIATION HEADS TO BRAZIL



"If our trip in Brazil is anything like our first full day, then we are off to a great start. We spent the whole day at Embrapa learning about their research with different forages and their Nelore cattle."

-Sara Terrell

Beef Extension- Dr. Brandi Karisch & Cobie Rutherford



May 17: Webster/Choctaw County
Eupora BQA Training
May 27-28: MSU ADS Alumni Weekend
July 13: Deep South Stocker Conference

Equine Events- Dr. Clay Cavinder



June 1-3 MSU Horse Judging Camp

4-H Events- Dr. Dean Jousan



May 19: 4-H Livestock Judging Contest
MSU South Farm

Dairy Events- Dr. Amanda Stone



August 25: Ice cream and a Moo-vie
September 20-21: Calf College
September 27-29: Breakfast on the Farm

UPCOMING EVENTS

2018 Refereed Publications

- T. Williams, B. Rude, S. Liao, C. Mochal-King, M. Nicodemus. Effects of fat supplementation on plasma glucose, insulin and fatty acid analysis in ponies maintained on a forage-based diet. *Journal of Animal Physiology and Animal Nutrition*. 2018;1–8. DOI: 10.1111/jpn.12905.
- Gastal, G.D.A., J.M. Feugang, F.L.N. Aguiar, A.P.R. Rodrigues, J.M. Scimeca, G.A. Apgar, W.J. Banz, E.L. Gastal. Cryopreservation and in vitro culture of white-tailed deer ovarian tissue. *Theriogenology*. 113 (2018) 253-260.
- Velho, Ana Lulza Cazaux, Elnko Topper, Erika Menezes, **Thu Dinh**, Abdullah Kaya, Arlindo Alencar Moura, **Erdogan Memili**. Metabolomic markers of fertility in bull seminal plasma. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0195279>.
- Owen, MPT, EN Ferjak, **CA Cavinder**, KJ McCarty, KC Yankey, CG Hart, **DD Burnett**, **TTN Dinh**, **CO Lemley**. Effects of body condition score (BCS) on steroid- and eicosanoid- metabolizing enzyme activity in various mare tissues during winter anoestrus. *Reproduction in Domestic Animals*. 2018;53:296–303. <https://doi.org/10.1111/rda.13104>.
- Park, Seong B., **Scott T. Willard**, Christy S. Steadman, Atul A. Chaudhari, Shreekumar R. Pillai, Shree R. Singh, **Peter L. Ryan** and **Jean M. Feugang**. Proteomic analysis of antimicrobial effects of pegylated silver coated carbon nanotubes in *Salmonella enterica* serovar Typhimurium. *Journal of Nanobiotechnology*. (2018) 16:31 <https://doi.org/10.1186/s12951-018-0355-0>.
- Cavinder, C. A., PAS, E. N. Ferjak, C. A. Phillips, D. D. Burnett, and T. T. N. Dinh**. REVIEW: The importance of overall body fat content in horses. *The Professional Animal Scientist* 34:125–132. <https://doi.org/10.15232/pas.2017-01708>.
- Sukumaran, Anuraj T., Alexander J. Holtcamp, April K. Englishbey, Yan L. Campbell, Taejo Kim, Mark W. Schilling, **Thu T.N. Dinh**. Effect of deboning time on the growth of *Salmonella*, *E. coli*, aerobic, and lactic acid bacteria during beef sausage processing and storage. *Meat Science* 139 (2018) 49–55.
- Wang, T., **M. A. Crenshaw**, N. Regmi, **B. J. Rude**, M. S. Hasan, A. T. Sukumaran, **T. Dinh**, and **S. F. Liao**. 2018. Effects of dietary lysine level on the content and fatty acid composition of the intramuscular fat in late-stage finishing pigs. *Canadian Journal of Animal Science*. 98: 241-249. DOI: [dx.doi.org/10.1139/cjas-2017-0083](https://doi.org/10.1139/cjas-2017-0083).
- Owen, M.P.T., K.J. McCarty, C.G. Hart, C.S. Steadman, **C.O. Lemley**. Endometrial blood perfusion as assessed using a novel laser Doppler technique in Angus cows. *Animal Reproduction Science*. 190 (2018) 119-126. <https://doi.org/10.1016/j.anireprosci.2018.01.015>.
- Feugang, Jean M., Shengfa F. Liao, Scott T. Willard, and Peter L. Ryan**. In-depth proteomic analysis of boar spermatozoa through shotgun and gel-based methods. *BMC Genomics*. (2018) 19:62 DOI 10.1186/s12864-018-4442-2.
- Liao, Shengfa F.**, Naresh Regmi, Guoyao Wu. Homeostatic Regulation of Plasma Amino Acid Concentrations. *Frontiers in Bioscience, Landmark*. 23, 640-655, January 1, 2018.

2018 Book Chapters:

Jain, Sapna, Seong B. Park, Shreekmar R. Pillai, **Peter L. Ryan**, **Scott T. Willard** and **Jean M. Feugang**. Applications of Fluorescent Quantum Dots for Reproductive Medicine and Disease Detection. In *Unraveling the Safety Profile of Nanoscale Particles and Materials—From Biomedical to Environmental Applications*, Chapter 6, pp. 133-148, <http://dx.doi.org/10.5772/intechopen.72978>.