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$1.1 MM GRANT AWARD TO DR. AMANDA STONE

Dr. Stone along with her collaborators received a $1.1 million grant award from the Substance Abuse and Mental Health Services Administration (SAMHSA) within the Department of Health and Human Services.

The project title is: “PREventing Opioid Misuse In the SouthEast: The PROMISE Initiative 2.0.” The main goal is to expand efforts to help combat the opioid epidemic in rural Mississippi, which is an area Dr. David Buys (lead PI) is actively involved with.

This project is exciting in that it will have specific aim within Extension focusing on agriculture producers.

There are 9 objectives in this project, one of which, Dr. Stone will be recruiting and training Extension agents and 4-H volunteers on presenting strategic, brief education on mental illnesses, substance use disorders, and opioid misuse prevention strategies with rural families, including ag producers and youth. David Buys (FSNHP) is the lead, and Alisha Hardman (Human Sciences) and Holli Seitz (Communications) are also co-PIs along with Dr. Stone.
Meeting Mrs. Louise Brown, the World’s first IVF baby

Dr. Jean M Feugang recently participated, as an invited speaker, to the 23rd annual meeting of the French Federation of the Study of Reproduction (Fédération Française d’Étude de la Reproduction – FFER-SFÉF) held in the city of Lyon, from September 12th to 14th, 2018. This meeting was an excellent forum that gathered over 600 researchers and biomedicine professionals (clinicians and veterinarians) in the reproduction field to discuss recent scientific advances and their implications in clinical practices. Dr. Feugang presented a part of his research effort to enhancing animal reproduction through nanotechnology.

This year’s meeting coincided with the 40th anniversary of the development of the in vitro fertilization (IVF) technique, which culminated with the birth of the world’s first IVF baby in July 25th, 1978. This remarkable medical success by Drs. Steptoe and Edwards revolutionized the clinical practices around the world and launched an ever uprising number of couples undergoing IVF for infertility treatment or fertility maintenance or restoring. Considered as one of the greatest achievement of the 20th century, Dr. Robert G. Edwards received the Nobel Prize in Physiology or Medicine 2010 "for the development of in vitro fertilization."

Dr. Feugang had the honor to be introduced to Mrs. Louise Brown, the surprise guest of this year’s meeting.
Meeting Mrs. Louise Brown, the World's First IVF Baby

40 Years of IVF – Louise Brown the World’s first IVF baby at 40

By Patrick Steptoe and Edwards (2010 Nobel Prize)

July 25 was Louise Brown’s 40th birthday and the fortieth anniversary of the first successful IVF birth!

Born at Westchester fertility - Reproductive Endocrinology

In July 25 1978, Louise Brown, the World’s first IVF baby was born, which launch an ever increasing number of couples undergoing IVF for infertility treatment or fertility maintenance or restoring.

The birth of Louise Brown on July 25th 1978 revolutionized clinical practice. This achievement of Steptoe and Edwards, one of the great medical advances of the 20th century, was significant for many reasons. Nothing is more important for most of us than the birth of our children. Moreover, the publicity openly highlighted the burden of childlessness. There have now been over six million births following in vitro fertilization (IVF) contributing to great happiness of many families; this, indeed, is an anniversary to celebrate. An account of the lengthy struggle of Steptoe and Edwards is (Johnson & Elder 2015) in an analysis of the records at Oldham General Hospital and at Cambridge. Edwards won the Nobel Prize for Physiology in 2010 and many tributes have been paid to him. We sometimes forget how Jean Purdy, the third member of this pioneering team, was also critically important. A brief video in which Professor Winston celebrates the remarkable achievement of the delivery of the world’s first baby born after IVF is also available (Video 1). Professor Winston also points out that forty years on, the success rate for each IVF treatment cycle commenced still remains low with around a 20% live birth rate. It tends to be even less successful than this in women over 35 years old, paradoxically the age group when many if not most IVF cycles are done. This anniversary should be a reminder that much more research is needed to improve results.

Success celebration but a moment of reflection as the success rate plateaus at 20% (cycle) around the world. Could be higher if transferring multiple eggs (26% in the US) → Need for research on IVF improvements, hormonal environment to reduce rate of aneuploidy eggs, improve male fertility, and research in implantation → 3 key areas to improve success rates and understanding what makes a good embryo. IVF → absolutely misery to get pregnant and massive emotional and financial costs.
Master's student Maurício Xavier recently finished this Extension publication on calf care. Check it out by clicking this link!

http://extension.msstate.edu/.../dairy-calf-management-birth-...
SUCCESSFUL BREAKFAST ON THE FARM!!

Breakfast on the Farm 2018 is officially a wrap! We had the best time welcoming school groups and families to our farm Thursday to Saturday - ending up with over 1,200 attendees!
Kate Parsons, from Columbia, Tennessee, is a senior Mississippi State University Animal & Dairy Sciences major with a minor in International Studies in Agriculture. She says, “I knew Animal and Dairy Sciences would push me out of my comfort zone while providing me with the animal science knowledge I need to reach my goals.”
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https://www.facebook.com/Mississippi-State-University-Animal-Dairy-Sciences-153818701305363/

https://www.youtube.com/user/MSUAgandLifeSciences

https://www.facebook.com/Mississippi-State-University-Animal-Dairy-Sciences-153818701305363/

https://twitter.com/MSU_AG
NEW COURSE OFFERING FOR ANYONE INTERESTED IN VET SCHOOL OR PURSUING A CAREER WITH LIVESTOCK

THE DETAILS
Immunology and Disease in Large Livestock Species
Spring 2019 - ADS4633/6633 - MWF 10 to 10:50 - Dr. Stone
Also being offered online (Campus V) for schedule flexibility

TOPICS WILL INCLUDE
- The function and dynamics of the cattle and equine immune systems and what mechanisms aid in detection and defense within the body
- How vaccines work, how they differ, and when they are appropriate to use
- Differences in antibiotics, appropriate uses, and the importance of withholding
- Various diseases and health issues within equine and beef and dairy cattle, including why, when, and how these problems occur and their impact
- Why disease is an animal welfare issue.
- What are practical methods of disease control and their importance

MISSISSIPPI STATE ANIMAL & DAIRY SCIENCES
CONTACT DR. STONE AT AES784@MSSTATE.EDU FOR MORE INFORMATION
SPRING AI SCHOOL

Registration for Spring 2019 Artificial Insemination School is now available. The Course will be held March 14-16, 2019, and registration is $450. Email Brandi Karisch at brandi.karisch@msstate.edu for more information.
North Mississippi Beef Expo

Please Join Us for the 2018 North Mississippi Beef Expo

October 26, 8:00 A.M., Batesville Civic Center
290 Civic Center Drive, Batesville, MS 38606

8:00 - Registration

9:00 - Gene Lowery
"Preparing Cattle for the Feedlot Stage"

9:45 - Dr. Jason Banta: Nutrition
"Pre-Weaning and Pre-Conditioning"

10:30 - Break and Trade Show

11:00 - Dr. Amelia Woolums: Stocker Health
"Disease Diagnosis and Prevention"

11:45 - Lunch and Trade Show

12:45 - Andy Berry: MS Cattlemen’s Association

1:15 - Producer Panel

For more information, contact Lance Newman at lance.newman@msstate.edu or 662-832-4586.
UPCOMING EXTENSION EVENTS

Beef Extension - Dr. Brandi Karisch & Cobie Rutherford
Oct. 20-21, 2018  MSU Artificial Insemination Insemination School, MSU Campus
Oct. 26, 2018   North MS Beef Expo, Batesville, MS

Phone: (662) 325-7465 or brandi.karisch@msstate.edu
(662) 325-4344 or cobie.rutherford@msstate.edu
Beef Calendar: http://extension.msstate.edu/livestock/beef/beef-calendar

Dairy Events - Dr. Amanda Stone

Phone: (662) 325-8773 or Email: amanda.stone@msstate.edu
Website: http://extension.msstate.edu/dairy

4-H Events - Dr. Dean Jousan

October 3-14 Mississippi State Fair, Jackson, MS

Phone: (662) 325-2424
Email: dj230@msstate.edu
www.http://extension.msstate.edu/4-h

Equine Events - Dr. Clay Cavinder

Contact Dr. Cavinder for information about programs and events.

Phone: (662) 325-7566 or clay.cavinder@msstate.edu
Website http://extension.msstate.edu/agriculture/livestock/equine/upcoming-programs
2018 Refereed Publications


Griffin, Courtney M. , BS; Jenna A. Scott, BS; Brandi B. Karisch, MS, PhD; Amelia R. Woolums, DVM, MVSc, PhD, DACVIM, DACVIM; John R. Blanton, MS, PhD; Ray M. Kaplan, DVM, PhD, DEVPC, DACVM; William B. Epperson, DVM, MS, DACVP (Epidemiology); David R. Smith, DVM, PhD, DACVP (Epidemiology). A randomized controlled trial to test the effect of on-arrival vaccination and deworming on stocker cattle health and growth performance. *The Bovine Practitioner*, Vol. 52, No. 1.


2018 Refereed Publications


2018 Refereed Publications


2018 Book Chapters: