



Friday Notes from *MSSTATE Poultry Science*

Friday Notes - to keep you informed about noteworthy news from Poultry Science at Mississippi State....and let us hear from you as well!

Faculty and Staff Travel and Activities:

- **Jessica Wells** and **Dr. Kiess** participated in the *Academic Insight* program for admitted but not yet enrolled undeclared students at the Colvard Union, Feb. 22.
- **Drs. M. Farnell, Tabler,** and **Y. Farnell** (Biochem, adjunct in Poultry Science), and **Cari Chisholm, Erica Rigney, and Vanusa Godoy** (students with Dr. M. Farnell) took the foam trailer to a Mar-Jac hatchery in Waynesboro, to disinfect hatchery equipment, with samples collected pre- and post-disinfection to determine efficacy of the foam in reducing pathogens. Feb. 25.
- **Dr. Tabler** traveled to:
 - Collins to assess new broiler house construction for BankPlus;
 - Sebastopol to assess pullet health on 5 farms and LED lights on a 6th;
 - Forest to assess several new farm purchases for BankPlus.
- **Dr. Farnell** presented a talk entitled, "Mobility, leg scores and plant trim with Ross 708 broilers," to the MPA Poultry Seminar, Pearl, MS; and to the MVMA in Starkville; Feb. 27 and 28.
- **Drs. Peebles, Kiess** and **Beck** met with Sanovo Vax regarding future research and acquisition of equipment, Feb 27.
- **Drs. Tabler** and **Beck** attended the Sanderson Farms Super Chicken Road Show dinner in Laurel, Feb. 27.
- **Dr. Beck** met with MPA and MSU personnel regarding future support for poultry research in MS, Feb. 28.

Graduate Seminars, Feb. 28:

- **Xi Wang** (MS grad student with **Dr. Zhai**) will present, "Effects of protein source and nutrient density in diets from day 8 to 21 on growth of male broiler chicks," Feb. 28.

Congratulations to:

- **Drs. Wei Zhei** and Lei Zhang on notification of approval for the Green Card for permanent residency in the US!

Running Cumulative List of Scientific and Extension Publications, 2014

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, Yi Liang, **Jessica Wells**, and **Morgan Farnell**, “Windrow Composting Broiler Litter between Flocks,” <http://msucares.com/pubs/publications/p2818.pdf>.
- C.L. Williams, **G.T. Tabler** and S.E. Watkins, 2013. Comparison of broiler flock daily water consumption and water-to-feed ratios for flocks grown in 1991, 2000-2001, and 2010-2011. J Appl Poultry Research, 22:934-941. <http://dx.doi.org/10.3382/japr.2013-00767>
- Abstracts from the 2014 IPSF: <http://www.ippexpo.org/ipsf/docs/2014%20IPSF%20Abstracts.pdf>
 - M6 Detection of parthenogenesis in mated quail hens and its impact on fertilization
Priscila Santa Rosa*, **Holly Parker**, **Aaron Kiess**, **Chris McDaniel**
 - M9 Physiological responses of broiler hatchlings to commercial in ovo coccidiosis vaccine administered on days 18.5 and 19.0 of incubation
Adebayo Sokale*, **E. David Peebles**, **Wei Zhai**, Timothy S. Cummings, Christopher J. Williams
 - M24 Apparent ileal amino acid digestibility (AIAAD) of various animal by-product blends (ABB) in broilers aged 21 and 42 d of age
Cameron Cardenas*, Elizabeth Kim, Bob Hill, **Kelley Wamsley**
 - M36 Effects of limestone particle size in pullet diets on hen performance, bone mineral density and keel bone deformities in aviaries or conventional cages
Pamela Eusebio-Balcazar*, **Mary Beck**, Sheila Purdum
 - M48 Antimicrobial activity of carvacrol against Salmonella on turkey breast cutlets packaged under modified atmosphere
Divek V. T. Nair*, **Chander Shekhar Sharma**
 - M66 Effects of diet type and nutrient density from day 8 to 21 on bone morphology, breaking strength, and mineral density in male broilers
Xi Wang*, **E. David Peebles**, Mark Bricka, **Wei Zhai**
 - T137 Effects of dietary lysine and methionine supplementation on growth performance and meat yield of male broilers
Wei Zhai*, **E. David Peebles**, Wes Schilling, Yves Mercier
 - P205 Effects of the in ovo injection of 25-hydroxylcholecalciferol on the yolk characteristics of embryonated broiler hatching eggs
Nayara Pelici*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P206 Effects of the in ovo injection of 25-hydroxylcholecalciferol on serum calcium and phosphorous concentrations in broiler embryos
Midian Nascimento*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P211 Effects of the raising model on semen quality and fertility of male Sichuan White Geese
Anfang Liu*, Mingjun Chen, Jing Zhang, Wang Xi, Jie Liu, Xia Qiu, Hongpeng Ma, Wei Zhai
 - P212 Effects of single nucleotide polymorphism of H-FABP gene on carcass traits in Sichuan White Geese
Anfang Liu*, Shukai Yuan, Jing Zhang, Jie Liu, Xia Qiu, Hongpeng Ma
 - P235 The effect of varying the inclusion of two different anticoccidials into a commercial diet on D0-49 Ross 708 bird performance
Rosana Hirai*, Timothy Cummings, **Kelley Wamsley**
 - P241 Dietary Alterations with Live Coccidiosis Vaccine (LCV) Response and D0-46 Ross 708 Broiler Performance
Robert Sellers*, **Wei Zhai**, Carla Price, Phil Stayer, **Tom Tabler**, **Kelley Wamsley**.
- **Tom Tabler**, **Morgan Farnell**, **Jessica Wells**, **Haitham Yakout**, and Yi Liang, “Controlling Rodents on the Poultry Farm,” <http://msucares.com/pubs/publications/p2824.pdf>
- **Tom Tabler**, news release on litter sampling: <http://msucares.com/news/releases/14/nr20>.

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, **Morgan Farnell**, and **Jessica Wells**, "Managing Manure from the Backyard Flock," <http://msucares.com/pubs/infosheets/is1973.pdf>