

Elizabeth A. French

1. Professional Qualifications

B.S. in Animal Sciences with an option in Science, Biotechnology, and Pre-Veterinary Medicine; University of Illinois Urbana-Champaign, 2005.

M.S. in Dairy Science, University of Wisconsin-Madison, 2007.

Ph.D. in Dairy Science, University of Wisconsin-Madison, 2011.

2. Academic and Professional Positions

2021-present: Research Animal Scientist at U.S. Dairy Forage Research Center, USDA-ARS, Madison, WI.

2019 - 2021: Dairy Sales Technical Specialist. Purina Animal Nutrition, Madison, WI

2016-2019: Strategic Account Specialist. Purina Animal Nutrition, Madison, WI

2014 – 2016: Dairy Management Advisor, Automatic Milking Systems and Robotic Management Trainer for North America. DeLaval, Inc., Madison, WI

2012 – 2014: Clinical Trial Specialist in Milk Quality and Animal Health for North America. DeLaval, Inc., Madison, WI

3. Honors

2002 – 2005 James Scholar (University of Illinois)

2001 – 2005 College of ACES Dean's List (University of Illinois)

2004 College of ACES McCloskey Grein Scholarship (University of Illinois)

4. Professional Activities and Societies

Memberships

American Dairy Science Association, Current

American Registry of Professional Animal Scientists, Current

National Mastitis Council, 2012 – 2016

E. Publications

Peer-review Journal Articles

French, E. A., S. J. Bertics, and L. E. Armentano. Rumen and Milk Odd and Branched-Chain Fatty Acid Proportions Were Minimally Influenced by Ruminal Volatile Fatty Acid Infusions. *Journal of Dairy Science*. Accepted.

French, E. A., M. He, and L. E. Armentano. 2010. Response to high-lysine proteins to supplement diets based on distillers dried grains plus solubles for lactating cows. *Professional Animal Scientist*. 26:273-284.

French, E. A., M. Mukai, M. Zurakowski, B. Rauch, G. Gioia, J. R. Hillebrandt, M. Henderson, Y. H. Schukken, T.C. Hemling. 2016. Iodide Residues in Milk vary between Iodine-Based Teat 303Disinfectants. *Journal of Food Science*. 81:T1864-70.

- Godden, S. M., E. Royster, W. Knauer, J. Sorg, M. Lopez, Y. Schukken, S. Leibowitz, and E. A. French. 2016. Randomized Non-inferiority Study Evaluating the Efficacy of a Post-milking Teat Disinfectant for the Prevention of Naturally Occurring Intramammary Infections. *Journal of Dairy Science*. 99:3675-3687.
- Dorea, J., E. A. French, and L. E. Armentano. 2017. Use of milk fatty acids to estimate plasma nonesterified fatty acid concentrations as an indicator of animal energy balance. *Journal of Dairy Science*. 100:6164-6176.

Industry Impact Publications

- French, E.A. Put your robots to work: Automate herd management data for improved success. *Dairy Herd Management*. January 2016.
- French, E.A. Fine tuning IOFC in a robotic milking system. *Progressive Dairy Online*. 10 August 2020.
- Contributed content to Homan, Matt. Robot pellets – it’s all about what’s inside. *Progressive Dairy*. 06 August 2015.

Published Abstracts

- French, E. A., and L. E. Armentano. 2009. Effects of infusing volatile fatty acids intraruminally on rumen and milk odd and branched-chain fatty acids. *Journal of Dairy Science*. 92 (Suppl 1):458-459.
- French, E. A., M. He, and L. E. Armentano. 2007. Using high-lysine proteins to supplement diets based on distillers dried grains with solubles did not improve lactation performance. *Journal of Dairy Science*. 90 (Suppl 1):348.
- French, E. A., M. Lopez Benavides, and M. Gough. 2013. Implementing a cleaning program with a chlorinated alkaline detergent that functions at reduced temperatures decreases energy usage and maintains milk quality. *National Mastitis Council*. Jan.
- French, E. A., M. Lopez Benavides, and T. C. Hemling. 2013. Case study: Impact of short-term increased concentration of a hoof bath product on the prevalence of active digital dermatitis lesions. 17th International Symposium and 9th International Conference on Lameness in Ruminants. August.
- French, E. A., M. Lopez Benavides, and T. C. Hemling. 2013. Case study: Impact of short-term increased concentration of a hoof bath product on the prevalence of active digital dermatitis lesions. 17th International Symposium and 9th International Conference on Lameness in Ruminants. August.