

Opportunity Title: USDA-ARS Researcher in Dairy Nutrition

Opportunity Reference Code: USDA-ARS-MW-2024-0023A

Organization U.S. Department of Agriculture (USDA)

Reference Code USDA-ARS-MW-2024-0023A

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A complete application consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Click [here](#) for detailed information about acceptable transcripts.
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional recommendations
- A copy of an abstract or reprint of an article

All documents must be in English or include an official English translation.

Application Deadline 3/7/2025 3:00:00 PM Eastern Time Zone

Description *Applications are reviewed on a rolling-basis.

ARS Office/Lab and Location:

A research opportunity is available with the U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), US Dairy Forage Research Center located in Madison, Wisconsin.

The Agricultural Research Service (ARS) is the U.S. Department of Agriculture's chief scientific in-house research agency with a mission to find solutions to agricultural problems that affect Americans every day from field to table. ARS will deliver cutting-edge, scientific tools and innovative solutions for American farmers, producers, industry, and communities to support the nourishment and well-being of all people; sustain our nation's agroecosystems and natural resources; and ensure the economic competitiveness and excellence of our agriculture. The vision of the agency is to provide global leadership in agricultural discoveries through scientific excellence.

Research Project: Under the guidance of a mentor, the participant will conduct research to investigate the impact of feed formulation, feed ingredients, and feed additives on lactation performance, milk composition, and methane emissions of dairy cows. The researcher will participate in animal nutrition experiments, collect feed, milk, rumen, feces, and urine samples, and measure enteric methane emissions from cattle. The researcher will participate in sample analysis in the laboratory and statistical analysis of the collected data. The project will focus on methods to reduce enteric methane emissions in dairy cattle.

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Learning Objectives: The participant will learn new techniques in dairy cattle nutrition, will have the opportunity to disseminate results at research meetings such as the American Dairy Science Association annual meeting, and through publication of research papers.

Mentor(s): The mentor for this opportunity is Kenneth Kalscheur (kenneth.kalscheur@usda.gov). If you have questions about the nature of the research, please contact the mentor(s).

Anticipated Appointment Start Date: **January 2024.** Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for one year, but may be renewed upon recommendation of ARS and is contingent on the availability of funds.

Level of Participation: The appointment is full time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.


Citizenship Requirements: This opportunity is available to U.S. citizens only.

ORISE Information: This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and ARS. Participants do not become employees of USDA, ARS, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

Questions: Please visit our [Program Website](#). After reading, if you have additional questions about the application process, please email ORISE.ARS.Midwest@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a doctoral degree in one of the relevant fields (Animal Science, Dairy Science, or similar discipline).

Point of Contact [Shantra](#)

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree.
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([4](#) )