



UW-Madison Dairy Science Summer Internship Research

Project title: Effects of contrasting feed efficiency on undesirable gaseous emissions and nitrogen utilization efficiency from dairy cows.

Position purpose: The UW-Madison Dairy Science department seeks an intern to assist with a summer research project to evaluate the relationship between milk urea nitrogen and feed efficiency and to measure undesirable gaseous emission form dairy cows

Location: The field location is the USDA-ARS Dairy Forage Research Center in Prairie du Sac, about 35 miles from Madison. A vehicle would be provided.

Responsibilities: The main responsibility of the student will be to evaluate the relationship between milk urea nitrogen concentration and feed utilization efficiency in lactating dairy cows. In addition, the student will be trained in the utilization of the gas emission chambers that will be used to determine the effects selecting cows with contrasting feed efficiency on emission of methane. The activities include: learning of laboratory techniques to measure urea content in the milk, operation and troubleshooting of the chambers and the associated sensors and collection of urine and fecal samples. He/she will also be trained in data summarization, data computing, and analysis.

Duration of internship: This internship is for up to 10 weeks during the summer of 2016. Exact start and end dates are flexible, but between mid-May and late August.

Salary and budget: Salary is \$11.00 per hour for 40 hrs./week. If relocating to take the internship, additional travel and housing allowance may be available.

Qualifications: Junior or senior standing in a biological-related major. The desired applicant will be punctual, self-motivated, and willing to work both independently and with others. A clean driving record and ability to obtain UW driver approval is required.

To Apply: Please include the following as part of your packet:

- 1) Current Resume, saved as FirstnameLastname.doc or pdf
- 2) Cover letter which should include:
 - a. List the position(s) you are applying for.
 - b. Describe your academic background (major or area of focus in school)
 - c. Describe your qualifications for each position you are applying for
 - d. Describe why you would like to be an intern on this project(s)
- 3) Name, phone number and email address of two references who know you well.

All applications should be send to Ms. Beth Floyd at the University of Wisconsin-Madison at beth.floyd@wisc.edu. If you have questions, please contact Beth at (608) 663-5173. **Deadline is April 8th.**