POSITION VACANCY
University of Wisconsin-Madison

Working Title: **RESEARCH ASSOCIATE (POST DOCTORAL)**

Department(s): BIO SYS ENGR & SOIL SCIENCE

Salary Minimum: $43,500 ANNUAL (12 Months)
Depending on Qualifications

Anticiapted Begin Date: September 1, 2015 (negotiable)

To ensure consideration, application must be recieved by: August 15, 2015 (please email CV to primary contacts below)

****

Primary Contact(s):

Rebecca Larson
460 Henry Mall
Room 232E
Madison, WI 53706
608 890-3171
rebecca.larson@wisc.edu

Matt Ruark
1475 Observatory Dr
Room 158
Madison, WI 53706
608 263-2889
mdruark@wisc.edu

****

Degree and area of specialization:

Qualified individual must have a Ph.D. degree in an Environmental Science, Soil Science, Agronomy, Dairy Science or Engineering related field. An ideal applicant would have an understanding of global climate change as it relates to agricultural sustianability. A familiarity with extension is desirable.

Minimum number of years and type of relevant work experience:

It is required that a Ph.D. be completed before hiring but there is no minimum years of work experience required following degree completion. The individual in this position will have a wide range of responsibilities including leading the development of extension materials related to dairy sustainability with an emphasis on global climate change under the guidance of Dr. Ruark and Dr. Larson. This individual will be responsible for coordinating with other staff and faculty members who are part of an ongoing sustainable dairy project to ensure research and modeling efforts are compiled into outreach materials. This position will also include conducting independent research related to the applicant's area of interest within the scope of agricultural sustainability. This individual should possess the ability to work independently.

Principal duties:

50% - Extension
Responsibilities include developing materials relevant to sustainable dairy and climate change for a variety of platforms including a web based virtual farm, fact sheets, presentations, etc. This includes adapting research materials and modeling outputs produced from an ongoing grant project into usable formats and tools for a number of stakeholders including dairy producers. Applicant is expected to be able to work independently (with guidance from Dr. Ruark and Dr. Larson) to develop and complete outlined tasks while also taking the initiative to form ideas with members from a large research team from varying disciplines to further the extension mission of the grant. Responsibilities will include presenting the extension materials to a variety of audiences. Applicant is expected to have some knowledge of issues related to global climate change with a basic understanding of their role in livestock sustainability. Some knowledge of life cycle assessment and models related to predicting greenhouse gas emissions is preferred but not necessary.

50% - Research
Applicant is expected to develop research related to manure management and processing or nutrient cycling in soils as it relates to agricultural sustainability under the guidance of Dr. Ruark & Dr. Larson. Applicant is expected to be able to complete data analysis and interpretation and contribute to the preparation of manuscripts for scientific peer-review as primary or secondary authorship. A willingness to travel to scientific conferences and extension meetings to publicly present work is required. Computer proficiency, including Windows Excel and Word, and statistical software is required.