

Position: Dairy Nutrition and Metabolism – research (50%) and teaching (50%)
Rank: Assistant/Associate Professor, 9-month appointment, tenure track
Closing Date:
Date Available:
Location: Department of Animal Science, College of Agriculture and Life Sciences, Cornell University, Ithaca, NY

Purpose and outcomes: We seek a scientist to develop a nationally recognized, externally funded research program on the use and metabolism of one or more of the major classes of nutrients. The research program will lead to the discovery of new knowledge and mechanisms that can be harnessed to improve the productivity, well-being and sustainability of the modern dairy cow. The department is particularly interested in both current and emerging research areas. These include, but are not limited to, the impact of nutritional status and environmental stress on tissue-specific nutrient use, nutrients and microbiome-derived metabolites as signaling molecules and metabolites as markers of productivity and disease. The research program will include classical methods in metabolism and nutrition as well as “omics” technologies and associated approaches (big data analysis and systems biology). Research efforts on the dairy cow may be supported whenever necessary by mechanistic studies in other species and systems (e.g., laboratory animals, cell culture, etc.).

The appointee will teach an upper level nutrition class relevant to agriculturally important animals and will develop a graduate-level class dealing with emerging issues in nutrition and metabolism.

Support: Opportunities exist to work in an interdisciplinary manner with other faculty and staff affiliated with the Cornell Dairy Center of Excellence and the David R. Atkinson Center for a Sustainable Future. This faculty position will carry the distinction as the Northeast Agribusiness and Feed Alliance Partners Sesquicentennial Fellow in Dairy Cattle Nutrition and Metabolism. Laboratory space and an excellent start-up package will be offered. The successful candidate will also have access to the state-of-the-art, newly constructed Cornell University Ruminant Center research dairy farm with 550 milking cows. A competitive salary will be commensurate with training and experience, and an attractive fringe benefits package will be provided.

Qualifications: Applicants should have strong basic biology skills and a Ph.D. or equivalent degree with emphasis in nutrition, metabolism or a closely related field. Candidates must have acquired expertise and/or interest in dairy cattle nutrition and metabolism through doctoral and/or postdoctoral training.

Applications: Send electronically a complete resume, a statement of research and extension goals, and names of at least three individuals who can be contacted to provide letters of recommendation to:

Dr. Patricia A. Johnson, Professor and Chair
Department of Animal Science
Cornell University
149 Morrison Hall
Ithaca, NY 14853
Phone: 607-255-2862; FAX 607-255-9829; Email: paj1@cornell.edu