

February 15, 2008

- POSITION:** **Animal Molecular Geneticist (Assistant Professor)** 9-month, tenure-leading position (75% research, 25% teaching) in the Department of Animal Science. For additional information on the Department of Animal Science, visit the Web site at <http://animalscience.unl.edu>.
- RESPONSIBILITIES:** Will develop and conduct a research program in molecular genetics of animals. Possible areas of research include, but are not limited to, identification, function and regulation of genes that comprise the genomics framework of economically important characteristics in farm animals, and incorporation of DNA data in selection programs to improve quantitative characteristics of animals. Incumbent is expected to develop close collaboration with other geneticists at University of Nebraska-Lincoln (UNL) and at the US Meat Animal Research Center, and to develop close collaboration with scientists also identifying genes and studying gene function in other disciplines at UNL. Collaboration with scientists at the University of Nebraska Medical Center is also possible. Successful candidate will have access to unique populations of mice, pigs and cattle, the latter species through collaboration with the US Meat Animal Research Center. Faculty member will be the leader in further developing and maintaining a research laboratory supporting molecular genetics. Successful applicant must demonstrate capacity to recruit extramural funding and lead a nationally recognized research program. Faculty member is expected to place high emphasis on publishing research results in refereed journals, abstracts, and semi-technical publications and also interpreting results into livestock applications to specialists and industry audiences. Will develop and teach a graduate course that addresses applications of biotechnology in Animal Breeding and Animal Science. Individual is expected to participate with other instructors in teaching a component of one or more undergraduate course(s) covering genetics, animal breeding, or applications of biotechnologies in animal genetics. Successful candidate is expected to engage in mentoring both graduate and undergraduate students in research endeavors. Incumbent will also play an active role in recruitment, retention and placement of Animal Science students.
- QUALIFICATIONS:** Ph.D. degree with an emphasis in molecular genetics of animals is required. Training or experiences in quantitative genetics is also preferred. Postdoctoral experience and/or experience as an independent researcher/investigator are greatly preferred. Knowledge of at least one livestock industry as well as evidence of ability to work in a team environment are deemed beneficial. Evidence of ability to draw potential undergraduate and graduate students to Animal Science and animal genetics is deemed very beneficial.
- SALARY/BENEFITS:** Salary is competitive and commensurate with qualifications and experience. The University of Nebraska offers a benefits package that makes available group life, health, disability insurance and family coverage programs to the employee; TIAA/CREF and/or Fidelity Investment Fund retirement plans; excellent vacation and sick leave plans; and staff and dependent tuition remission.
- APPLICATIONS:** Review of applications will begin June 1, 2008, and continue until the position is filled or the search is closed. Interested parties making application should go to <http://employment.unl.edu>, search for requisition number 080127, and complete the faculty/academic administrative information form. Attach a letter of application; curriculum vitae, and contact information (mailing address, phone number, and e-mail address) for three professional references, and should be submitted electronically.

The University of Nebraska is committed to a pluralistic campus community through affirmative action and equal opportunity and is responsive to the needs of dual career couples. We assure reasonable accommodation under the Americans with Disabilities Act. Contact Dr. Sheila Scheideler at 402/472-3571 for assistance.

It is the policy of the University of Nebraska-Lincoln not to discriminate based on gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation. AA/EEO details may be secured by contacting the Office of Equity, Access and Diversity Programs, 128 Canfield Administration Building, P.O. Box 880437, Lincoln, NE 68588-0437, or by telephoning 402/472-3417. Employment eligibility verification is required for all new hires pursuant to the Immigration and Control Act of 1986.

## INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES, UNIVERSITY OF NEBRASKA-LINCOLN

The Institute of Agriculture and Natural Resources (established in 1973 by the Nebraska State Legislature to give added emphasis to agriculture and the management of natural resources in Nebraska) serves the people of Nebraska in the four-fold mission of teaching, research, extension and service. Commonly referred to as "IANR," the Institute is administered by the Vice Chancellor for Agriculture and Natural Resources and has faculty and staff located throughout the State. IANR faculty and staff have appointments in the following divisions: **Agricultural Research Division, College of Agricultural Sciences and Natural Resources, College of Education and Human Sciences** (research and extension), and **Cooperative Extension Division**. Each division is administered by a Dean or Director. The Institute is comprised of 15 academic departments, four regional research and extension centers, several interdisciplinary centers and program units. The IANR Vice Chancellor holds the Vice President title in the University of Nebraska system and is also administratively responsible for the Nebraska College of Technical Agriculture at Curtis. Visit the IANR web site at [www.ianr.unl.edu](http://www.ianr.unl.edu).

### ABOUT THE DEPARTMENT OF ANIMAL SCIENCE

The Department of Animal Science is committed to innovative problem-solving research that benefits the livestock, poultry, and companion animal industries in Nebraska, excellent undergraduate and graduate education and training, and dynamic extension programs. The Department of Animal Science provides residential instruction, extension and outreach and research in the subject matter areas of breeding and genetics, meat science, non-ruminant and ruminant nutrition, physiology, animal well-being, production and management. Species represented in these programs include beef cattle, dairy cattle, horses, poultry, swine, laboratory animals and other companion animals. Youth programs are also an important part of animal science programs. The design award-winning Animal Science Complex encompasses extensive animal teaching and research rooms, state-of-the-art classrooms and laboratories, and a 475-seat indoor arena for the Animal Science Department and the Cooperative Program in Veterinary Medicine between the University of Nebraska-Lincoln and Iowa State University. Animal Science faculty, staff, and students at UNL support animal industries by pioneering new frontiers through research, extension and education. The vision of the Animal Science Department is "Serving animal agriculture through dynamic networks of discovery and education" and its mission is to promote world-wide leadership in animal research and education in support of sustainable use of domestic animals for food, fiber, work and recreation, and to educate students for careers in the animal sciences.

Animal Science programs at the University of Nebraska began with the establishment of the Department of Animal Husbandry by the Board of Regents in 1898. The Department is the second largest department in the Institute of Agriculture and Natural Resources, headquartered on East Campus at the University of Nebraska-Lincoln. The staff consists of 29 faculty members on the Lincoln campus and five at three district research and extension centers, 61 graduate students, 4 courtesy faculty, 6 active emeriti, 17 adjunct professors, 21 managerial and professional staff, and 43 office and service staff. Two Lincoln faculty members are jointly appointed in Biological Systems Engineering (70% BSE and 30% Animal Science). Several faculty members collaborate with ARS staff scientists at the Roman L Hruska Meat Animal Research Center near Clay Center, Nebraska.

Faculty and academic staff advise about 225 undergraduate students pursuing a degree in Animal Science. The Department offers more than 50 undergraduate courses and 13 graduate courses. Subject matter includes fundamental principles and applied aspects of animal nutrition, breeding and genetics, animal physiology and endocrinology, meat science and meat culinology, applications of molecular biology, companion animal biology, equine science, equitation, animal welfare, animal systems analysis, animal biological systems, livestock, meat animal, meat and horse evaluation, and statistics.

The research program is conducted through some 30 externally and internally funded projects managed under the Agricultural Research Division. Research activity ranges from basic molecular biology aspects of genetics/genomics/functional genomics and physiology to applied aspects of breeding and genetics, nutrition, meat science and processing, growth, production and management strategies and integrated beef systems projects. Significant collaborative research is conducted in the areas of pre-harvest food safety, nutrient and waste management, animal health, and beef production systems. Interdisciplinary research is encouraged and support is provided for joint projects across departments and between multi-state project participants. Research is conducted *in vivo* in small animal, poultry and livestock housing laboratories in Animal Science, at all of the animal units managed by the Department, and at facilities owned and managed by cooperating producers. Cell, embryo, and tissue culture work is also conducted.

The Department's extension programs provide transfer of information and education to clientele across the state, to cooperators in the region and to international audiences. Most aspects of animal production and value determination, nutrient management, animal health, and meat processing are encompassed with in-service training of extension educators and agribusiness personnel. Management of web sites, presentations at symposia and conferences, educational demonstrations and training at workshops and short courses, satellite conferences, NebGuide and extension circular publications, and special field days are used to achieve optimal outreach. Primary audiences are beef, swine, dairy, and poultry producers, meat processors, equine owners, 4-H and FFA youth, and ancillary industry personnel.

Nebraska's livestock industry is dynamic and growing. This is an opportunity to lead an Animal Science Department in a state where livestock is the cornerstone of the economy. Nebraska consistently ranks in the top five agricultural states in the nation, with livestock representing 60 percent of the total agricultural receipts.

### LINCOLN, NEBRASKA, "THE STAR CITY" – A PLACE TO WORK AND ENJOY LIFE

Lincoln, Nebraska, a community of more than 250,000 people, offers the ambience of a friendly small town while offering attractions and entertainment opportunities of a metropolitan area. Lincoln is a young city with a bright future of planned growth and expansion. It is one of the fastest growing non-Sun Belt cities in the U.S. and one of the fastest growing metro areas in the Midwest.

<a href="http://www.unl.edu">www.unl.edu</a>	University of Nebraska-Lincoln homepage
<a href="http://www.nebraska.edu">www.nebraska.edu</a>	Web site for the University of Nebraska four-campus system
<a href="http://www.lped.com">www.lped.com</a>	Partnership for Economic Development (demographics, education, health care, cost of living and tax structures)
<a href="http://www.lcoc.com">www.lcoc.com</a>	The Lincoln Chamber of Commerce offers business and community information and a relocation directory.
<a href="http://www.lincoln.org">www.lincoln.org</a>	Lincoln/Lancaster County Convention & Visitors Bureau (attractions, entertainment, recreation, dining, shopping)
<a href="http://www.state.ne.us">www.state.ne.us</a>	The official web site of Nebraska State Government
<a href="http://www.ci.lincoln.ne.us">www.ci.lincoln.ne.us</a>	The official site of Lincoln City Government