Postdoctoral Position in Molecular Biology and Transcriptomics

Regulation of Pubertal Development and Sexual Behavior

Job Title: Research Physiologist (Research Associate)

Location: Reproduction Research Unit at the USDA, ARS, U.S. Meat Animal Research Center (USMARC), Clay Center, NE

Duties: A postdoctoral position is immediately available focused on understanding mechanisms controlling reproductive phenotypes and pubertal development. The applicant will utilize RNA sequencing techniques, proteomic data, and metabolomic approaches along with a repository of tissues including olfactory and various brain regions to understand mechanisms regulating puberty, reproductive function and differences in sexual behavior of pigs. The candidate will work in a team environment with physiologists and bioinformaticists. Application of results to the development of functional studies using whole animal models, cellular, or molecular assays to understand how various factors, such as nutrition or steroids, regulate these mechanisms is possible and encouraged.

Qualifications Required: The applicant must be a U.S. citizen or eligible to work in the U.S. and have earned a Ph.D. degree or equivalent post graduate degree. The research assignment requires knowledge of biochemistry, molecular biology, and statistical methods. The USDA is an equal opportunity provider and employer.

Salary: GS-11 ($61,218) plus fringe including health insurance

Interested applicants, please send current curriculum vitae or other documents outlining your qualifications to: Clay Lents, clay.lents@ars.usda.gov, P.O. Box 166, State Spur 18D, Clay Center, NE 68933-0166. Phone: 402-762-4184

About the Roman L. Hruska U.S. Meat Animal Research Center (USMARC):
There are over 40 scientists at USMARC working in 4 research units (Genetics, Breeding & Animal Health; Meat Safety & Quality; Nutrition & Environmental Management; and Reproduction) to develop scientific information and new technology to solve high priority problems for U.S. livestock industries. Research approaches involve multidisciplinary teams with emphasis on both short-term and long-term solutions. The program is cooperative with the University of Nebraska and land-grant universities in the U.S. There are 6 scientists and 5 support staff in the Reproduction Research Unit (RRU). The RRU combines traditional physiology studies with modern genomic, proteomic, and molecular biology techniques to provide an integrated approach to addressing complex problems in reproduction. Facilities with state of the art instrumentation for next gen sequencing (for genomics and transcriptomics) and mass spectrophotometry (for proteomics and metabolomics) are available at USMARC.