

Research Microbiologist or Veterinary Medical Officer. Job announcement ARS-D16E-0171 at www.usajobs.com <<http://www.usajobs.com>>.

The incumbent will serve as an independent investigator of the Brucellosis Disease Research Project and work as a team member and team leader in individual or collaborative research projects. Research objectives and duties may include:

- Identifying specific factors including tissue or cell tropism, gene regulation, immune evasion mechanisms, and protective antigens through use of transcriptome and proteosome technologies to provide information on the pathophysiology of Brucella species and the host-pathogen interaction.
- Developing improved diagnostic assays with increased sensitivity and specificity that will differentiate the various Brucella species and allow determination of phylogenetic relationships.
- Developing improved vaccines using new and novel delivery systems and platforms.
- Developing collaborations with other scientists and institutions to enhance research objectives of the project.
- Publishing research results in peer reviewed journals.

Work is performed in BSL-3 enhanced facility and requires working with zoonotic pathogens and Select Agents, therefore a Respirator Fit Test, Special Agreement Check (SAC), Security Risk Assessment (SRA), and a full background investigation (Moderate Risk/Public Trust-Minimum Background Investigation(MBI)) are required.