Opportunity Title: Post Bachelor Opportunity in Biological Sciences
Opportunity Reference Code: ARS-VPRU-2016-0020-04

Organization	U.S. Department of Agriculture (USDA)
Reference Code	ARS-VPRU-2016-0020-04
How to Apply	A complete application consists of:

- An application
- A current resume/CV
- Two references
- Transcripts – For this opportunity, a copy of official transcripts or academic records may be submitted. Selected candidate will be required to provide proof of completion of the degree before the appointment can start.

All documents must be in English or include an official English translation.

If you have questions, please send an email to USDA-ARS@orau.org. Please include the reference code for this opportunity in your email.

Description The Post Bachelor Opportunity in Biological Sciences provides participants with opportunities to:

- Execute technical methods, experimentation and procedures
- Conduct laboratory maintenance and safety practices
- Collect, analyze, and maintain physical and electronic data in support of the Intervention Strategies to Control Influenza A Virus (IAV) Infection in Swine project plan

The incumbent will participate as a team member with the scientist and other laboratory staff in all phases of the research process and assumes technical and operational responsibility for specific phases of the research.

Specific goals of the project are to assess contemporary circulating IAV strains at genetic and antigenic levels, understand phenotypic properties resulting from genetic evolution and new strain introductions by evaluating pathogenesis and transmission of emerging IAV in the swine host, and develop vaccine strategies that will aid in the control of this swine disease.

The position is within the Virus and Prion Research Unit. Scientists in this unit maintain a comprehensive IAV research program including investigation of virulence mechanisms, vaccinology, immunology, and virus evolution.
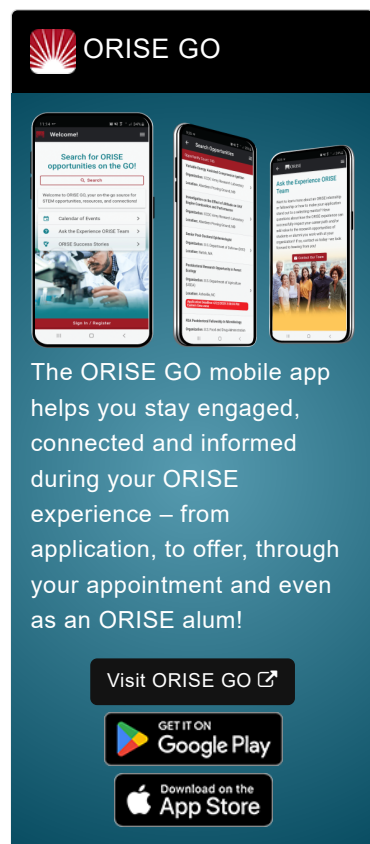
Desired Start Date

June 1, 2016

Appointment Location

National Animal Disease Center, Ames, IA

Participant Benefits

The Post Bachelor Opportunity in Biological Sciences is full-time for one year and may be renewed contingent upon ARS project needs and funding

availability. Stipend rates are determined by ARS officials and are based on the participant's academic and professional background.

Nature of the Appointment

This opportunity is available to U.S. citizens.

Participants will not enter into an employee/employer relationship with ORISE, ORAU, ARS, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications **The ideal candidate will have:**

- B.S. degree with emphasis on the disciplines of genetics, immunology, virology, and/or molecular biology
- Additional knowledge of research and research techniques
- Skilled use of common computer software

Preferred Skills:

- Knowledge of virology and molecular biology techniques and the use of animal models for disease
- Performance of virologic and molecular biologic laboratory assays, sequence analysis, cell culture, serologic assays, and immunologic assays
- Possess good record keeping
- Familiarity with use of laboratory equipment and maintenance, troubleshooting, adapting, improving or developing new procedures
- Ability to locate and interpret peer-reviewed publications
- Good interpersonal skills to work in a team environment
- Skill with science-specific software

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree.
- **Discipline(s):**
  - **Communications and Graphics Design** (1 👁)
  - **Computer, Information, and Data Sciences** (2 👁)
  - **Life Health and Medical Sciences** (5 👁)