

**Opportunity Title:** Postgraduate Research Opportunity-Biochemistry/Chemistry

**Opportunity Reference Code:** ARS-BRU-2015-0118

**Organization** U.S. Department of Agriculture (USDA)

**Reference Code** ARS-BRU-2015-0118

**How to Apply** A complete application package consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Selected candidate must provide proof of completion of the degree before the appointment can start. Proof must be sent to ORISE directly from the academic institution including graduation date and degree awarded. All transcripts must be in English or include an official English translation.
- A current resume/CV

If you have questions, send an email to [USDA-ARS@orau.org](mailto:USDA-ARS@orau.org). Please include the reference code for this opportunity in your email.

**Application Deadline** 8/1/2016 12:00:00 PM Eastern Time Zone

**Description** A postgraduate research opportunity is available with the U.S. Department of Agriculture (USDA) Agricultural Research Service (ARS) Bioenergy Research Unit (BRU), National Center for Agricultural Utilization Research in Peoria, Illinois.

The Bioenergy Research Unit conducts a broad-based program of microbial, biochemical, genetic, and fermentation engineering research. The overall mission of the BRU research program is to develop bio products and bioprocesses for conversion of agricultural commodities, byproducts and residues into biofuels and chemicals, enzymes, and polymers and to improve animal production systems. Central to this effort is the development of new enzyme biocatalysts for the conversion of complex polysaccharides to fermentable sugars.

The appointment is full-time for one year and may be renewed based upon recommendation of the ARS and availability of funding. The selected applicant will receive a stipend as support for their living and other expenses during this appointment. Stipend rates are determined by ARS officials, and are based on the applicant's academic and professional background. The participant must show proof of health and medical insurance. Health insurance can be obtained through ORISE. The participant will not enter into an employee/employer relationship with ORISE, ORAU, USDA, 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.

While participants will not enter into an employment relationship with ARS, this position requires a pre-employment check and a full background investigation.

This opportunity is available to U.S. citizens.



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This is an equal opportunity program open to all qualified individuals without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, mental or physical disability, covered veteran's status or genetic information.

For more information about the ARS Research Participation Program, please visit the [Program Website](#).

**Qualifications** To be eligible, applicants must have received a bachelor's degree in Biochemistry or Chemistry within five years of the desired starting date. A joint degree in Biochemistry/Chemistry is preferable. The opportunity entails duties supporting enzymology studies requiring skills in enzyme kinetics and protein purification. Ideally the applicant would have skills in steady-state and presteady state studies and in HPLC separations.

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
  - **Degree:** Bachelor's Degree.
  - **Discipline(s):**
    - **Chemistry and Materials Sciences** ([1](#) )
    - **Life Health and Medical Sciences** ([1](#) )