

Oak Ridge Associated Universities

Shota Rustaveli National Science
Foundation (SRNSF)



ORAU Introduction

- 501(c) 3 nonprofit corporation
- Consortium of 119 major Ph.D.–granting academic institutions, ORAU cultivates collaborative partnerships that enhance the scientific research and education enterprise of our nation
- Provider of scientific experiences impacting a wide population of primary and secondary school students through Undergraduate, Graduate, and Faculty participants
- Solutions provider of workforce and science education needs



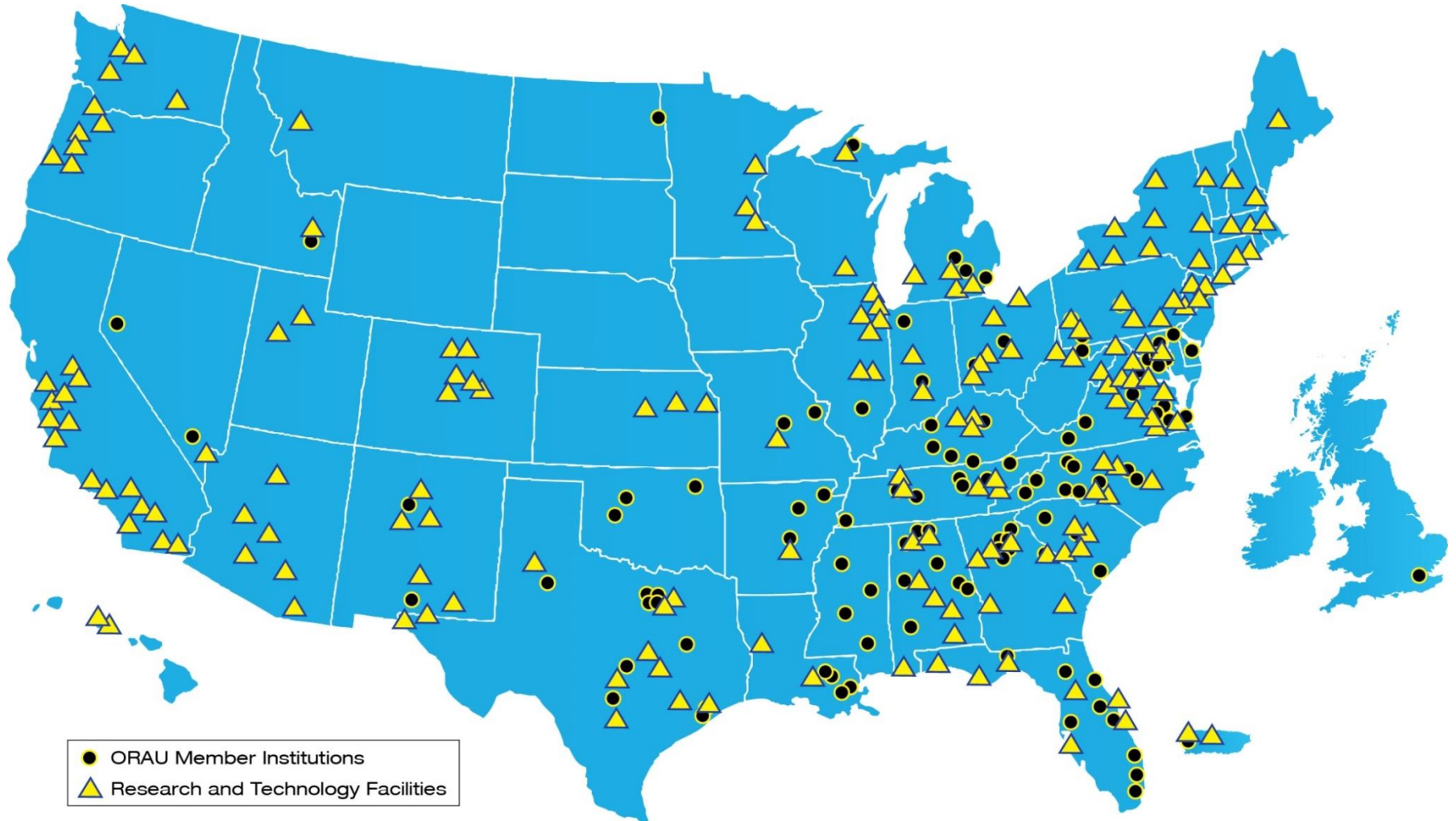
ORISE today...

- Sponsored by **31** federal departments and agencies
- Almost **9,500** program participants
- From **839** US universities and more than **275** foreign universities and **450** precollege schools
- Represented **50** states, DC, Puerto Rico, Virgin Islands, and **107** foreign countries

Academic Status	Number
Precollege Students	1,268
Precollege Teachers	573
Undergraduates	1,340
Graduate Students	1,077
Recent AS, BS, MS	2,589
Postdocs	1,852
Faculty	244
Other Scientists	458



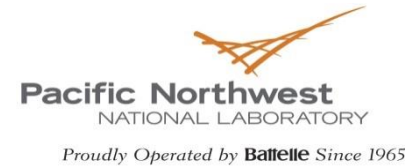
Member Universities and Research Partners



Who we serve



U.S. DEPARTMENT OF
ENERGY



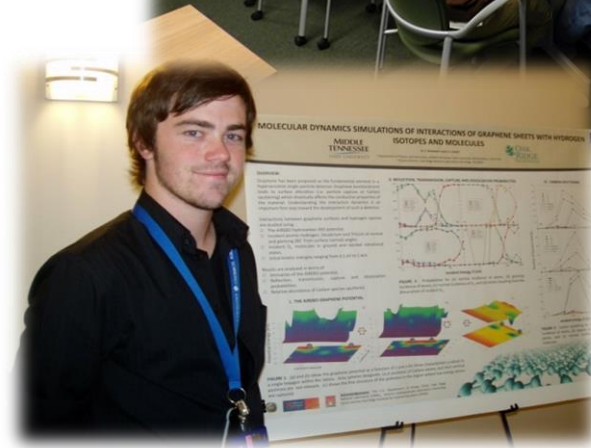
Participant Impact

- Apply what is learned in the university to real-world science
- Gain the knowledge of developing trends in the field of choice
- Develop a network of professional relationships/contacts
- Get the experience Employers want
- Develop Professional Identity
- While not guaranteed, post-graduate fellowships can end in full-time job opportunities



Enhancement activities add value to the research experience.

- The chance to learn about the mission of the Labs
- The chance to Forge collaborative relationships
- Publications and presentations
- Network with scientists and potential funders





What is Zintellect?

Zintellect is ORAU's custom developed, easy-to-use application and review system designed to efficiently collect applicant data and facilitate review of applications and identification of talent.

The screenshot shows the 'Mentor Applicant Search' page. It includes a search criteria section with fields for Keyword, Name Contains, University Contains, and Major In. Below this is a search results table with columns for Name / Preferred Name, Most Recent University / Academic Level, Most Recent Major, Applications, and Reference. The table shows one entry for Babatunde Adigun from the University of Tennessee, Knoxville, with a Bachelor's Degree in Agricultural/Biological/Life Science: Animal Sciences and 1 application.

Name / Preferred Name	Most Recent University / Academic Level	Most Recent Major	Applications	Reference
Babatunde Adigun Bab	University of Tennessee, Knoxville Bachelor's Degree	Agricultural/Biological/Life Science: Animal Sciences	1	

The screenshot shows the 'Application 41990 : Babatunde Adigun' details page. It includes a status of 'Submitted' and a 'Resume/CV resume.pdf' link. The 'Posting details' section includes the following information:

- Posting Title:** Postdoctoral Research Associate in Microbial Ecology & Physiology (ORNL11-113-BSD)
- Reference Code:** ORNL11-113-BSD
- Eligibility:** Degree: Currently pursuing a Doctoral Degree or have received this Degree within 60 months.
- Requirements:** Affirmations: I certify that I have completed coursework towards a degree in science, technology, engineering, mathematics, or a related field.
- Description:** The selected candidates will join an international team of investigators focused on understanding how plant matter can be converted into renewable fuels. The focus of this position is to design and implement novel metabolic pathways in E. coli and engineering biofuel production pathways from abundant plant materials. In part, this may involve genetic manipulation, metabolic pathway analyses, enzymatic assays, and strain characterization.

The research will be facilitated by a full range of state-of-the-art equipment/facilities for aerobic and anaerobic microbiology, molecular biology tools, and collaborative efforts with world-renowned experts in systems biology, bioinformatics, fermentation, and other relevant topics. We seek applicants with experience in bacterial physiology, genetics, or related fields that are interested in metabolic engineering for biofuel production. Previous experience in enzymology, fermentation, and analytical techniques would be beneficial but is not required. Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.



- Opportunity posting allows for targeted recruitment to more effectively match applicants with projects
- Profile-based system allows applicants to apply for multiple opportunities with one profile and a very short opportunity-specific application.
- Mentor review makes it easy to search and identify top talent





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1 to 12 of 12 Opportunities
<< < 1 > >>

▲ Opportunity	◆ Reference Code	◆ Location	◆ Posted
Applied Sciences Branch Research Fellowship - CDC	CDC-NCCDPHP-2016-0160	Atlanta, GA	8/30/2016
Bioinformatics Fellowship--CDC	CDC-NCEZID-2015-108	Atlanta, GA	8/3/2015
Bioinformatics Studies of Gastrointestinal Pathogens	CDC-NCIRD-2015-0113	Atlanta, GA	9/8/2015
Dissemination and Implementation Fellow-CDC	CDC-CSELS-2016-0040	Atlanta, GA	1/19/2016
Epidemiologist -- CDC	CDC-NCIRD-2016-0151	Atlanta, GA	8/16/2016
IT Web Developer - CDC	CDC-CSELS-2016-0163	Atlanta, GA	9/21/2016
Public Health Informatics Fellowship-CDC	CDC-ASTDR-2016-0046	Atlanta, GA	2/1/2016
Public Health Policy Fellowship -- CDC	CDC-NCHHSTP-2016-0141	Atlanta, GA	8/2/2016
Research & Evaluation Fellowship -- CDC	CDC-ATSDR-2016-0135	Atlanta, GA	7/28/2016
Research Fellowship - CDC	CDC-NCCDPHP-2016-0176	Atlanta, GA	10/25/2016





Opportunity Details

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[Opportunity Catalog](#) / Opportunity Details

Opportunity Bioinformatics Studies of Gastrointestinal Pathogens

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-NCIRD-2015-0113

How To Apply A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional references

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

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

Academic Levels

- Postdoctoral
- Post-Master's

Description A fellowship opportunity is available in the National Center for Immunization and Respiratory Diseases (NCIRD) at the Centers for Disease Control and Prevention (CDC).

The project involves use of bioinformatics approaches to studies of genomic sequence data from viruses, bacteria, and parasites associated with gastrointestinal disease. The goal of the project is to elucidate the evolution and biology of gastrointestinal pathogens through computational analyses of sequence data and to discover unique regions in the genomes of these organisms that can be targeted for diagnostic assay development. The project will provide opportunities for an individual with a background in bioinformatics to develop professionally by acquisition of knowledge and experience with disease pathogens and interaction with CDC scientists. The project will be performed in the Rotavirus Surveillance Laboratory, Gastroenteritis and Respiratory Viruses Laboratory Branch, Division of Viral Diseases, in Atlanta, GA.

The fellow will perform research by computational analysis of genomic sequence data from viruses, bacteria, and parasites. The fellow will use bioinformatics tools to: 1) process raw sequence data produced by Sanger and next generation sequencing; 2) identify, characterize, and annotate genes found in sequence data; 3) perform evolutionary, phylogenetic, and phylodynamic studies of sequence data; and, 4) identify unique regions of pathogen genomes for use as targets in molecular diagnostic assays. He/she will present research findings in laboratory meetings and branch seminars and will write scientific manuscripts and publish them in peer-reviewed scientific journals. The fellow will have the opportunity to travel to domestic and international scientific meetings for presentation of research findings. In addition, funds will be available for training classes.

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment is for one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC or the program administrator, and there are no fringe benefits paid.

Qualifications

- Masters or doctoral degree in bioinformatics or a related discipline earned within the past five years.
- Experience processing and analyzing next generation sequencing data. Experience performing phylogenetic and phylodynamic analyses of DNA sequence data.

Eligibility

- **Degree:** Currently pursuing a Master's degree or Doctoral degree or have received one of these degrees within 60 months.

Requirements

- **Discipline(s):**
 - **Life Health and Medical Sciences**
 - Bioinformatics
 - Evolutionary Biology
 - Microbiology
 - Virology
 - **Computer Sciences**
 - Scientific Computing and Informatics
- **Veteran Status:** None

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[Apply For This Opportunity](#)



What happens next?

- An interview may be conducted (in person or remotely)
- An offer is made complete with salary and benefits package
- ORAU's immigration support team will arrange for documents required for a visa
- ORAU's travel group will arrange for any allowable moving expenses

During the fellowship

- Participants are paid regularly
- Health insurance is provided
- ORAU paid membership in professional organizations
- ORAU's travel group will arrange for any conference or other related travel



And after the fellowship

- It is not uncommon for permanent positions to be offered
- The participant leaves the host with all of the networking and knowledge gained during the experience



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ORAU