

The Oak Ridge Institute for Science and Education (ORISE) is a DOE institute that is managed by Oak Ridge Associated Universities (ORAU). ORISE addresses national needs by managing education programs to help ensure a robust supply of scientists, engineers, and technicians to meet future science and technology needs; by assessing and analyzing environmental and health effects of radiation, beryllium, and other hazardous materials; and by developing and operating medical and national security emergency management and response capabilities. ORISE creates opportunities for collaboration through partnerships with other DOE facilities, federal agencies, academia, and industry in a manner consistent with DOE objectives and the ORISE mission.



### ORISE Programs

- Independent Environmental Assessment and Verification (IEAV) Programs
- Health Communication and Technical Training (HCTT) Programs
- National Security and Emergency Management Programs (NSEMP)
- Occupational Exposure and Worker Health (OEWH) Programs
- Radiation Emergency Medicine (REM) Programs
- Science Education Programs (SEP)
- Scientific and Technical Resource Integration (STRI)/Peer Review Programs

### Key ORISE Customers

- U.S. Department of Energy (DOE)
- U.S. Department of Health and Human Services (DHHS)
- U.S. Department of Defense (DoD)
- U.S. Department of Homeland Security (DHS)
- Oak Ridge National Laboratory (ORNL)
- Federal Bureau of Investigation (FBI)

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### Financial Summary

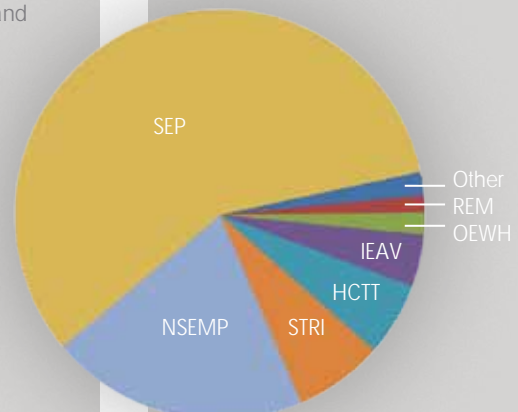
Revenue by Source (in millions):  
Program Activity \$195.1

Total Revenue \$195.1

Expenses (in millions):

SEP	\$112.6
NSEMP	\$ 39.9
STRI	\$ 13.7
HCTT	\$ 11.3
IEAV	\$ 8.0
OEWH	\$ 3.4
REM	\$ 2.6
Other	\$ 3.6

Total Expenses \$195.1



## 2009 Key Accomplishments

- Placed nearly 3,900 college and university-level participants from 975 U.S. and international colleges and universities in science education programs, including appointments at more than 250 federal research facilities. ORISE programs were sponsored by 13 federal agencies.
- Assisted DOE with the launch and management of a new Office of Science Graduate Fellowship Program, which encourages graduate students to make significant contributions to DOE missions in energy, environment, national security, and discovery-driven science while also contributing to the national effort to build a highly skilled scientific and technical workforce. Program benefits for each fellowship total more than \$50,000 each year for three years.
- Coordinated 50 scientific peer reviews of 6,350 research proposals involving 3,400 reviewers with potential funding of awards totaling more than \$5.5 billion.
- Performed 4,682 beryllium lymphocyte proliferation tests at the ORISE Beryllium Laboratory. Received College of American Pathologists accreditation based on the laboratory's processes and commitment to continuous improvement.
- Supported the Centers for Disease Control and Prevention (CDC) by delivering H1N1 pandemic flu preparedness workshops, exercises, and forums to 245 health professionals from more than 20 countries throughout North and South America and Asia. Developed, also in partnership with the CDC, an international traveler's health campaign, targeting U.S. residents traveling abroad and residents of nations who travel to and from the U.S.
- Performed waste characterization, technical reviews, and independent verification of several DOE sites scheduled for accelerated environmental cleanup and disposition of deteriorated facilities. This work was performed as part of \$755 million in funding that DOE received from the American Recovery and Reinvestment Act to jumpstart preliminary remediation activities in Oak Ridge.
- Provided security and emergency response support for the inauguration of our country's 44th president as part of DOE Office of Emergency Response efforts.
- Supported DOE with national-level exercise Empire 2009, which centered on two fictional dirty bomb detonations in downtown Albany, New York. ORISE provided exercise planning and evaluation, as well as mock chromosomal analyses for the mass exposure incident through the ORISE Cytogenetic Biodosimetry Laboratory.



Nelly Mateeva, Ph.D. (left), Edem Archibong, (middle), Alexander Foster, Florida A&M University, DHS Summer Research Team Program, National Center for Food Protection and Defense

## Awards and Certifications

A Voluntary Protection Program (VPP) Star Site for exceptional occupational health and safety programs



An International Organization for Standardization (ISO) 14001 certified organization for effective environmental management systems



  
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