

**VISITING SCIENTIST PROGRAM
WITH THE
FEDERAL BUREAU OF INVESTIGATION (FBI) LABORATORY
COUNTERTERRORISM/FORENSIC SCIENCE RESEARCH UNIT (CTFSRU)
Isotope Ratio Mass Spectrometry**

Project # CTFSRU 2004-01

The Counter Terrorism Forensic Science Research Unit (CTFSRU) of the Federal Bureau of Investigation (FBI) seeks a qualified post-doctoral candidate to participate in scientific research in forensic chemistry. Applicants must have completed their doctoral degree within the last three years or expect to complete all requirements before beginning the program. United States citizenship is required. Finally, selection is contingent upon the successful completion of a comprehensive background investigation.

A post-doctoral position is currently available in analytical chemistry/isotope ratio mass spectrometry. The specific requirements for this project are as follows.

Isotope Ratio Mass Spectrometrist: This position requires a strong background in isotope ratio mass spectrometry. Experience in the interpretation of isotope ratio patterns on a local, regional, and global scale and experience in other areas of analytical chemistry, including chromatography are desirable. The successful candidate will be involved with developing, evaluating, and validating analytical methods for measuring isotope ratios in both biological and nonbiological materials of forensic interest. This information will then be applied to help solve forensic cases and used to construct libraries and databases for a variety of materials. Hands-on experience in the operation and maintenance of isotope ratio mass spectrometers is required. One or more projects may be available.

The Counter Terrorism Forensic Science Research Unit of the Federal Bureau of Investigation Laboratory is located on the campus of the FBI Academy in Quantico, Virginia. CTFSRU provides technical leadership and the advancement of forensic science for the FBI as well as state and local law enforcement agencies. Unit scientists are responsible for research and development activities, validation studies, and the transition of new forensic procedures/protocols to the case-working units within the Laboratory Division. These scientists publish results of these research projects in scientific journals, present findings at scientific meetings, and provide advanced technical training via formal classes and training symposia.

Interested candidates should send a cover letter and CV to Dr. Jeff McDonald at jmcdonald@fbiacademy.edu. Questions or additional information should be directed to Dr. McDonald at the above email address or by phone at 703-632-4656. The postdoctoral program at CTFSRU is administered by the Oak Ridge Institute for Science Education. Information about this program can be found at <http://www.orau.gov/orise.htm>.

The appointments are full time at CTFSRU for one year, renewable for up to two additional years, pending authorization and funding from CTFSRU. The participants will receive monthly stipends in the \$4,000 to \$4,400 range (\$48,000 to \$53,000 annually). Inbound travel and moving expenses may be reimbursed according to established policies. Travel and other costs may also be reimbursed for research or training related to the project if approved by CTFSRU.

The participants must show proof of health and medical insurance. Health plans for postgraduate participants are available through the Oak Ridge Institute for Science and Education.

Applications are accepted and processed on a continuing basis. This program for CTFSRU is administered by the Oak Ridge Institute for Science and Education. Please reference Project # CTFSRU 200-01 when calling or writing for information. For additional information and application materials contact: Postdoctoral Research Program/CTFSRU, Attn: Betty Bowling, Science and Engineering Education - MS 36, Oak Ridge Institute for Science and Education, P.O. Box 117, Oak Ridge, Tennessee 37831-0117, Phone: (865) 576-8503 FAX: (865) 241-5219, e-mail: bowlingb@orau.gov.