

**Research Participation Program
Federal Bureau of Investigation
Operational Technology Division
Quantico, Virginia**

FBI-OTD 2009-01

A postgraduate research project is available in the Operational Technology Division (OTD) at the Federal Bureau of Investigation (FBI) in Quantico, Virginia. The appointment will be served in the Tracking Technology Unit.

Project Description: The research participant will conduct extensive spectroscopic analyses to identify materials or signatures of interest. Using previously collected airborne and laboratory data combined with spectral analysis training, the participant will investigate potential search algorithms and develop methodology for implementation. Other activities may include disseminating research results through one or more internal reports and presentations. There could be opportunities to present or publish unclassified results in a public forum or journal. Training will be provided as needed, and in particular, on the software used for spectral image analysis.

Qualifications and Skills: Applicants should have received a bachelor's or master's degree in chemistry, physics, engineering, spectroscopy, or a related field within five years of the desired starting date. Applicants should have a good understanding of spectral data interpretation and analysis. Experience in statistical analysis and in managing large datasets and knowledge of technical writing and presentation skills are advantageous.

The program is open to U.S. citizens or lawful permanent residents without regard to race, sex, religion, color, age, physical or mental disability, national origin, or status as a Vietnam era or disabled veteran. Applicants must be willing to undergo a background investigation for a security clearance. **The participant does not become an FBI employee.**

The appointment is full time for one year and may be renewed upon recommendation of OTD, based on project needs and priorities and the availability of funding. The participant will receive a monthly stipend based on educational level, prior experiences and complexity of the project. The participant must show proof of medical insurance.

The Research Participation Program for FBI is administered by the Oak Ridge Institute for Science and Education. ***Please reference Project #FBI-OTD 2009-01 when calling or writing for information.*** For additional information and application materials contact: Research Participation Program/FBI, Attn: Betty Bowling, 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: betty.bowling@ornl.gov.

An application can be found at http://www.ornl.gov/partform/FBI/FBI_Application.pdf.