

Opportunity: Optical spectroscopy for chemical identification

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Code 6365

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NRL Code 6365: The Functional Materials and Devices Section

The Functional Materials and Devices Section of the United States Naval Research Laboratory performs basic and applied research related to the optical, physical and chemical properties of materials with Naval relevance. The Naval Research Laboratory is located in Washington, DC, and is made up of over 3,000 scientists and engineers.

Research Opportunity:

The Functional Materials and Devices Section of the United States Naval Research Laboratory (NRL) located in Washington, DC is seeking a postdoctoral candidate with experimental research skills in optical spectroscopy, laboratory systems integration, and algorithm development. The successful candidate must have experience with lasers, preferably infrared quantum cascade lasers, infrared spectroscopy and materials science or physical chemistry. At NRL, the candidate will pursue basic and applied research methods to detect and identify chemicals and other materials of interest using optical spectroscopy in conjunction with classifier algorithms. Candidates must be United States citizens or be a Lawful Permanent Resident (possess a Green Card) of the United States.

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