

Job title: Staff or Senior Scientist
Department: Optics and Photonics Group
Employment Type: Full time
Location: Watertown, MA

Radiation Monitoring Devices, Inc. (RMD), founded in 1974, has been recognized as a national leader in the specialized fields of radiation detector materials, nuclear instrumentation, and custom detector applications. RMD has a unique corporate culture that incorporates a combination of intellectual excellence, challenging cutting-edge research, as well as diversity, stability and flexibility that combine to create an outstanding working environment. The organization is built around the principle that when the best people in the field are encouraged to merge their entrepreneurial spirit with their knowledge and curiosity, the best work product will emerge. Ultimately, through the pursuit of individual success and achievement, the organization will benefit. To learn more, please check us out at www.RMDinc.com.

The Optics and Photonics Group at Radiation Monitoring Devices, Inc. seeks a recent Ph. D. to join our interactive research and product development team. We are particularly interested in candidates with expertise in any of the following three broad areas:

1. Development of new electro-optic and non-linear materials, new laser ceramic or fiber materials, and nanomaterials.
2. Biomedical optics, imaging through diffuse media, and diffuse correlation spectroscopy, photo-acoustic tissue imaging, new forms of optical microscopy e.g., structured illumination, Fourier-domain optical tomography.
3. Design and development of efficient detectors, UV, NIR and SWIR detectors, TeraHertz sensors, high bandwidth and ASIC design, and detector array design using CMOS technology.

The successful candidate will be involved with proposal and grant application writing, instrument design and prototyping, and data analysis to support these activities and will play a key role in new product development. Other responsibilities include:

- Developing innovative ideas, writing proposals in area of expertise
- Developing testing and evaluation methods, analyzing results, and writing technical reports and presentations
- Systems design and product development
- Preparing presentations and interacting with clients

Required Experience:

- Recent Ph. D or with a Post-Doctoral experience in Physics, Applied Physics, Optics, Optical Materials Science, or Electrical Engineering.
- Previous experience with grant writing is a plus.
- A minimum of 3 to 5 years of hands-on experience with electronics and optics design, or optical instrumentation development for complex optical or opto-electronic systems and good computational and analytical skills.
- Excellent communication and writing skills.

To Apply: Send resume to jobs@rmdinc.com.

RMD is an equal opportunity employer and considers qualified applicants for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, gender identity and expression, age, disability, or Vietnam era, or other eligible veteran status, or any other protected factor.