

## Postdoc / Staff Scientist (Ann Arbor, MI)

Type: Full Time

IMRA America Inc., Pioneering Ultrafast Fiber Laser Technology, is an independently funded research organization which is currently focused on multiple technology areas, such as ultrafast optics and nano-technology. The 20 years of leading edge research at IMRA is reflected in numerous scientific publications and fundamental patents.

We are seeking a Ph.D. physicist or chemist in the field of laser-frequency-comb spectroscopy. The successful candidate will be responsible for contributing to existing frequency comb and spectroscopy research and expanding the activities into new areas. In particular we are looking for candidates with strong research interests in

- Frequency-comb spectroscopy/nonlinear spectroscopy
- Mid-IR gas spectroscopy
- Multidimensional spectroscopy
- Hyperspectral imaging,
- Environmental and biochemical monitoring and sensing,
- Ultrafast laser technology
- Microwave photonics

The successful candidate is familiar with ultrafast lasers and frequency comb technology and has an outstanding research track record in one of the following areas: optical high resolution spectroscopy, spectroscopic imaging, ultrafast spectroscopy, nonlinear optics, coherent mid-IR sources, frequency metrology, nonlinear microscopy or RF photonics. The incumbent will work under minimal supervision and should have the ability to work as a member of a multidisciplinary research team

### Qualifications:

- Ph.D in Physics, Chemistry or Electrical Engineering with preferably 1-3 years related experience
- Expected to possess knowledge of spectroscopy, ultrafast optics, and frequency comb technology derived from hands-on experience.
- Strong publication record is required.
- Strong written and oral communication skills.

### To Apply

Interested candidates should send their CV, including a list of publications, a statement of research interests and at least two references, to [employment@imra.com](mailto:employment@imra.com)

IMRA offer compensation and benefits that reflect our leadership position. For more information about careers at IMRA, visit our website at [www.imra.com](http://www.imra.com).

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**IMRA America, Inc.**

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