



HighRI Optics, Inc

Position in Nanophotonics Engineer Available Immediately

To support its product development activities, HighRI Optics, Inc. is seeking for highly motivated, interdisciplinary nanophotonics engineer with excellent hands-on experience. She/He will be part of the product development team and will play a vital role in product development, prototyping, design, testing and the implementation of manufacturing.

Main activities will involve amongst others the development, optimization, and manufacturing of novel optical probes. Most of the activities will be conducted in the cleanroom at Molecular Foundry, Lawrence Berkeley National Laboratory (LBNL). Later on, a part of the activities will be set up and conducted at a laboratory for manufacturing.

HighRI Optics, in collaboration with Lawrence Berkeley National Laboratory, develops novel technology for fabricating printable photonic devices. The HighRI's product development infrastructure and a suite of proprietary technologies are suited for the robust advancement of new products.

Principle Duties:

- Support diverse aspects related to the early-stage product development of various optical devices including designing/simulations and process development.
- Development, optimization, testing, and scale-up of optical devices
- Process troubleshooting to determine root cause and possible engineering solutions
- Support in preparing reporting documentations.

Qualifications:

- Required degree: Ph.D. in a field of Science or Engineering with Optics.
- Extensive hands-on experience in nano/microfabrication
- Extensive hands-on experience in optical designs (such as using FDTD simulations) and optical characterizations of fabricated devices.
- Interdisciplinary mindset
- Excellent organizational as well as English verbal and written communication skills.
- Self-starter, detail-oriented, motivated, thoughtful, and with a strong work ethic.
- Ability and willingness to quickly learn and apply new skills, procedures, and approaches.
- Proven ability to work collaboratively in a team-based environment.

Company Information:



HighRI Optics, Inc

HighRI Optics, Inc is a new spin-off company from a well-established company aBeam Technology (est. 2003) and develops novel high refractive index materials and optical applications. We are looking to expand our nanofabrication activity. The company is based in San Francisco/Bay Area.

Contact

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