

Chemist (Ann Arbor, MI)

You will join a multi-disciplinary team of nanotechnology researchers. The team applies state-of-art ultrafast pulsed laser technology in nanoscience, aiming at developing new functional materials for nanophotonics and biosensors.

Responsibilities:

- Synthesis of nanoparticle colloids.
- Bioconjugation of nanoparticles.
- Fundamental colloidal chemistry analysis.
- Nanoparticle materials characterization and evaluation.
- Identify issues in process control; propose solutions and resolve the issues.
- Write technical reports, research papers, and patents

Qualifications:

- Master's or PhD degree in chemistry, materials science, or related fields.
- Extensive experience in colloidal nanomaterial synthesis and skills in physical and chemical characterization of materials.
- Experience in nanoparticle-based bioassay development. Hands-on experience with other bioassay technologies such as ELISA will be considered.
- Profound knowledge in organic synthesis, colloidal chemistry, surface chemistry, bioconjugation, materials thermodynamics and reaction kinetics.
- Experience with ultrafast laser and spectroscopy will be considered.
- Excellence in communication and writing.

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

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