

ID 934BR

Position: Staff Engineer, Hardware

- Travel between Life Technologies sites to maintain and upgrade single molecule sequencing systems (SMSSs) that contain multiple optical, fluidic, electronic, software and mechanical interfaces and subsystems.
- Gather and document requirements for improvements to SMSSs.
- Contribute to design and implementation of improvements to SMSSs.
- Update system configuration documentation.
- Collaborate with senior engineers to assist in replication and deployment of new subsystems.
- Ensure activities are consistent with project critical path, and respond appropriately to changing priorities. Manage activities and assigned projects to reach agreed objectives.
- Present findings at group or departmental meetings, as required.
- Work across the product development life-cycle from research phase breadboards, through functional prototypes, and into production equipment.

Experience:

- 1+ years of relevant academic or commercial experience maintaining complex instrumentation systems.
- Life science or biotechnology experience is preferred.
- Understanding of instrumentation development processes and methodologies across multiple disciplines and subject matters is preferred.
- Knowledge and experience with LabVIEW required.

Key knowledge includes:

- Exposure to optical imaging, precision motion control, fluidics and automation systems.
- Knowledge of, or at least training in the use of, 3D CAD modeling software (SolidWorks or Pro/Engineer preferred).
- Working knowledge of molecular biology, chemistry, and/or biology preferred.
- Advanced technical writing skills to produce reports and documents.
- Knowledge and experience (or at least training) with MATLAB preferred.

Key skills/abilities include:

- Excellent time management skills and ability to work independently required.
- Excellent verbal and written communication skills and the ability to interpret and summarize scientific results in a clear, concise, accurate manner.
- Will need to flourish in a highly collaborative, multi-disciplinary team environment.

Contacts:

Frequent technical interaction both within the company at all levels. May interface with external hardware and software developers and will support internal reagent development teams.

Working Conditions:

Works in a laboratory environment. Is required to lift up to 50 lbs. May be required to stand for long periods of time while performing duties. Must be able to work safely with chemicals, lasers and hazardous materials. Must be able to work overtime and flexible shifts. Regular travel required (approximately 35%).

Interested candidates should visit www.lifetech.com and search for the position in the careers section.