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Recognition AnalytiX · Tempe, AZ (On-site) 3 days ago · 11 applicants

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About the job

Organization: Recognition AnalytiX is an early-stage startup developing a nanofabricated single-molecule bioelectronic platform for applications in genomics, proteomics, and diagnostics. Built on the discovery that proteins can function as active circuit elements, Recognition AnalytiX is pioneering a new form of biosensing. By integrating engineered proteins with nanoscale devices, we leverage the scalability and capabilities of semiconductor fabrication with the precision and accuracy of designed proteins to build a new generation of sensors.

Location: Tempe, Arizona, United States

Employment Type: Full-time, in-person position

Summary: We are seeking a highly motivated Laboratory Technician to fill a key position to expand the pace and scope of characterization and measurements of single-molecule bioelectronic devices. A successful candidate will possess the initiative and organizational skills to be responsible for a variety of activities in the laboratory and to communicate and work effectively with other members of the research team to advance the Company's efforts.

Responsibilities:

- Preparation of bioelectronic devices and test tokens for measurements, including etching, device mounting, wire bonding, and functionalization.
- Routine characterization and qualification of bioelectronic devices by means of optical microscopy and surface analysis techniques.
- Preparation and validation of measurement analytes, routine buffers, and solutions.
- Preparation of custom scanning tunneling microscopy tips for single-molecule measurements.
- Operation of a semi-automated probe station for the characterization of bioelectronic devices.
- Preparation and upkeep of microfluidic systems.
- Assist with laboratory coordination, organization, and upkeep.
- Assist with finding vendors, ordering supplies, receiving orders, and managing stocks.
- Write and maintain documentation for key processes related to the preparation, characterization, and testing of bioelectronic devices.
- Assist team members and coordinate on various activities as necessary to advance the Company's efforts.

Required Qualifications:

- Bachelor's Degree in Physics, Biophysics, Chemistry, Biochemistry, Materials Science, Electrical Engineering, or a related field or an Associate Degree with additional relevant work experience.
- Ability to operate basic metrology and laboratory equipment.
- Excellent organizational, analytical, and communication skills.
- Experience working in collaborative teams.
- Desire to quickly learn new skills and adapt to new challenges.
- Experience in a laboratory environment.

Desired Qualifications:

- Understanding of technical aspects of electronic measurement systems.
- Experience writing and maintaining process documentation.
- Experience with preparation of buffers or solutions.
- Experience with generating scientific plots, figures, and graphics.
- Knowledge of general laboratory practices and laboratory safety.
- Experience with any of the following: optical microscopy, FTIR, AFM, multimeters, dicing saws, wire bonding, and electrostatic discharge (ESD) mitigation.

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