



Electrochemistry Specialist: Senior Scientist

at Varro, Inc.

St. Louis, Missouri

Who We Are

Join us on our mission to bring breakthrough Micro-Immuno-electrode (MIE) Technology to market for real-time detection of pathogens. At Varro, we're developing innovative, ultrafast, and cost-effective devices to detect pathogens from breath and indoor air. Designed for ease of use, portability, and seamless integration with other systems, our devices enable early and accessible pathogen detection.

Working with Varro is an opportunity to reshape the future of life sciences through transformative technology. Driven by the potential to save lives and build a safer world, we are committed to solving real-world challenges and maximizing our global impact.

What We Live By

- **Data-Driven Decisions:** We strive for the best solutions, informed by data and optimized for speed, simplicity, and scalability.
- **Support Each Other:** We celebrate the ideas and contributions of our teammates, recognizing that success is achieved together when everyone feels heard and valued.
- **Simplify:** We create intuitive solutions that lead to clear, meaningful outcomes, enhancing public health and improving patient care.

Key Responsibilities

What You Will Be Doing

The Electrochemistry Specialist: Senior Scientist will be a key member of the Varro Life Sciences development team. As a senior scientist on the electrochemistry team, you will be a subject matter expert, driving close alignment with cross functional teams to meet R&D deliverables and timelines. This position will have multiple technical responsibilities supporting R&D, as well as with our contract engineering and manufacturing partners in the following areas of focus: electrode development and optimization, functionalization, verification and validation, signal analysis and interpretation, and other initiatives associated with the development and commercialization of our products.

As part of our team, your core responsibilities will be to:

- Functionalize electrodes for covalent linkage of nanobodies and other affinity reagents
- Serve as a technical lead collaborating closely with program management both internally and externally supporting the execution of key programmatic deliverables
- Work collaboratively with our electrical engineering team to conduct experiments to support development of our biosensors

- Clearly communicate experimental plans, methods, data and conclusions to team members and senior management
- Serve as a resource to the team and outside consultants on the theory, practice, and current state of the art in the electrochemistry field as it pertains to our development goals
- Be flexible and resilient to the changing needs of a development stage company, and work collaboratively across multidisciplinary teams to achieve short and long term goals
- Collaborate with R&D on design change management impacts to manufacturing
- Advise management on programmatic developments which impact schedule and costs

What We Are Looking For

Baseline Skills, Experiences, & Attributes:

- Doctorate Degree in Biological Science, Biomechanical or Electrical Engineering, or a related discipline directly related to electrochemistry
- 5+ years (not including PhD work) of applicable industry or post-doctoral academic experience in electrochemistry, or a faculty position with an academic research institution focused primarily on electrochemistry
- Experience functionalizing carbon and/or gold electrodes for covalent linkage of affinity reagents and other proteins
- Familiarity with square wave voltammetry (SWV), electrochemical impedance spectroscopy (EIS) and other electrochemical techniques
- Understanding the basis of the logic used by the software to analyze voltammograms and EIS data
- Ability to communicate research objectives, methods, and conclusions in a constructive and collaborative way to advance the goals of the company and achieve objectives
- Knowledge of Quality Management Systems and ISO 13485 compliance a plus
- Strong written and verbal communication skills
- Strong presentation skills, with ability to influence internal and external stakeholders on technical issues
- Strong organizational skills

Preferred Qualifications:

- Advanced Degree in a related discipline
- Advanced knowledge of electrochemistry at a theoretical and a practical level, sufficient to support a multidisciplinary team
- Understanding of the analysis of electrochemical data beyond simple “running of algorithms”

Physical Job Requirements:

This position is required to work onsite at our office location in St. Louis, MO. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Location and Compensation

This is an onsite, full-time position located in St. Louis, MO.



Anticipated Salary Range: \$125,000 to \$170,000 annually depending on experience and qualifications. The base salary range represents the anticipated low and high end of the salary range for this position. Actual salaries will vary and may be above or below the range based on various factors including but not limited to work location, operational needs, potential employee qualifications and other considerations permitted by law. The range listed is just one component of our total compensation package for employees. Other rewards may include annual bonuses, equity and program-specific awards.

In addition, we provide a variety of other benefits to employees including but not limited to:

- Medical, dental, and vision coverage.
- 401(k) plan
- Relocation assistance
- Annual bonuses, equity options, and other awards

You will have the opportunity to build revolutionary products that can save millions of lives!

VARRO Life Sciences does not accept agency resumes.

VARRO Life Sciences is an E-Verify and equal opportunity employer regardless of race, color, ancestry, religion, gender, national origin, sexual orientation, age, citizenship, marital status, disability or Veteran status. All your information will be kept confidential according to EEO guidelines.

Apply at careers@varro.bio