

Job Title: Research Technician
Group: Immunology Division
Location: Doylestown, PA

Emergex USA company overview:

Emergex USA is a pioneering preclinical research & development corporation at the forefront of T cell vaccine development. Emergex USA is an operating subsidiary of Emergex Vaccines Holding Limited (Emergex) is a biotechnology company headquartered in Oxfordshire, UK. Emergex is leading the development of fully synthetic ‘set point’ vaccines priming the T cell immune response to address some of the world’s most immediate health threats such as COVID-19, Dengue, Zika, Ebola, and pandemic influenza by discovering and utilizing naturally processed and presented T cell antigens as part of our vaccine technology platform. Committed to advancing innovative solutions in immunology, Emergex USA is seeking a dedicated and skilled Technician to join our dynamic team.

Position Overview:

As a Technician at Emergex USA, you will play a crucial role in primarily supporting our Immunology team. The main focus of this role will involve cell culture and associated responsibilities, supporting various immunology projects, processing infectious disease pathogens for use in modeling antigen processing & presentation, and executing cell-based assays in a Biosafety Level-2 (BSL-2) environment. This is an exciting opportunity for an individual who is passionate about advancing their career in the biotechnology field and has a keen interest in immunology.

Benefits of Employment:

Emergex USA is an equal opportunity employer and value diversity. We do not discriminate on the basis of race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.

Emergex USA will be able to provide benefits including a competitive salary, medical insurance, including vision, PTO, and access to 401k savings plans.

Primary Responsibilities:

- Mammalian Cell Culture
 - Maintain and propagate various cell lines relevant to Emergex’s mission utilizing established protocols & SOPs
 - Monitor and optimize cell culture conditions to ensure robust and consistent cell growth.
- Immunology Team Support
 - Collaborate with the Immunology team to provide technical support for ongoing projects including the assistance of working with BSL-2 infectious disease pathogens.
 - Assist in the preparation and characterization of cell populations for vaccine formulation development and efficacy analysis.
 - Contribute to experimental design and troubleshooting within the team.
- Cell-Based Assays
 - Conduct cell-based assays, including but not limited to flow cytometry, ELISA/Multiplex cytokine assays, and other relevant assays.
 - Perform data analysis and documentation of assay results.
 - Ensure the reliability and reproducibility of experimental outcomes.
- Infectious Pathogen Processing:
 - Handle infectious disease pathogens and model infections of cell lines for, but not limited to, T cell antigen processing and presentation studies.

- Follow established safety protocols and procedures for working with infectious agents.
- Contribute to the development and optimization of protocols for infectious pathogen processing.
- Learning and Development
 - Actively engage in expanding knowledge of immunology concepts and T cell biology.
 - Embrace opportunities for cross-training and gaining expertise in various assay platforms.
 - Stay informed about advancements in the field of Immunology, vaccines, and infectious disease developments.

Desired Skills:

- Bachelor's degree in a relevant scientific discipline (biology, immunology, biotechnology, etc.).
- Hands-on experience with cell culture techniques and sufficient experience maintaining cell mammalian cell cultures
- Familiarity with cell-based assays, including flow cytometry and ELISA/Multiplex cytokine assays, is a plus.
- Strong attention to detail and excellent organizational skills. Proficient with Microsoft Office
- Ability to work collaboratively within a team and contribute effectively to project goals.
- Eagerness to learn and adapt to new techniques and technologies.

Other Important Information:

- Position is onsite, full-time: the work associated with this position will be performed onsite at laboratories located in Doylestown, PA.
- Work schedules are standard 40 hours over a five-day (Monday thru Friday) work week.
- Location is 3805 Old Easton Road, Doylestown, PA 18902

How to Apply:

Please submit your resume, cover letter, and any other relevant documents to Aykan Karabudak, Head of Immunology [ak@emergexvaccines.com]. Please include "Immunology technician – Emergex USA" in the subject line.