Research Scientist - Immunology - Farmington, CT

CaroGen Corporation is currently seeking an innovative and highly motivated research scientist with a strong background in immunology, microbiology, virology, or a related field. The successful candidate will join a dynamic multidisciplinary team developing novel vaccines for prevention and treatment of infectious diseases. The candidate will perform in vivo and ex vivo analyses of immune cell activation and persistence in the context of viral or bacterial infections. The candidate must have experience with rodent models including injections via ip, iv, im, sc routes, peripheral blood collection and harvesting various organs and lymphoid tissues.

Responsibilities include

- Develop and implement experimental assays, protocols and procedures to assess immunogenicity and potency of vaccine candidates.
- Apply relevant in vitro, ex vivo and in vivo models to identify and characterize novel targets for vaccine development and optimization using immunoblotting assays.
- Measure potency and longevity of the cell-mediated immune responses by analyzing antigen-specific T cells with multicolor flow cytometry, ELISPOT and cytotoxicity assays.
- Evaluate antibody-mediated immune responses by measuring specific Ig titers and isotypes using ELISA and complement fixation assays.
- Monitor and record the status of the experimental animals.
- Accurately record, analyze and summarize experimental data, write progress reports, propose and implement optimization strategies.
- Contribute to writing animal care and use protocols, manuscripts, patent filings, and grant applications.
- Actively collaborate with internal and external stakeholders.

Requirements

Education Requirements: Ph.D. or equivalent Doctorate degree in a relevant field (Immunology, Microbiology, Virology, Cell Biology, Molecular Biology).
Minimum Experience Requirements: 3+ years of research experience.
Prior experience with in vivo studies involving rodents and sample analysis
Hands-on experience with cellular assays utilizing flow cytometry is a plus.
Hands-on experience with in vivo tumor models is an advantage.
Positive outlook and a team-oriented attitude

Biotechnology or pharmaceutical industry experience is a plus but not essential. Successful candidates will have strong written and oral communication skills, be self-motivated, innovative, and proficient in laboratory techniques. Organization and data analysis skills are a must.

For consideration send resume to: vnakaar@carogencorp.com

Valerian Nakaar, Ph.D.
Vice President R&D,
CaroGen Corporation,
Cell and Genome Sciences Building R2802
400 Farmington Ave
Farmington, CT 06032