

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

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