**TITLE:**

Entry-level Research Associate

**DESCRIPTION:**  
The McConnell Group (TMG) is a health science company, providing a comprehensive selection of professional and technical services and products design to enhance the success of companies in a rapidly changing market. TMG also provides extensive support in biomedical research to enhance the prevention, therapies, and cures for both human and animal health. We are a fast-growing company and seek professional individuals to join our diverse and talented team of employees. We currently have a position for an Entry-level Research Associate located at Walter Reed Army Institute of Research in Silver Spring, MD. This position will be supporting Shigella vaccine development. The position is full-time (40 hours/week), on-site, Monday-Friday.

**RESPONSIBILITIES MAY INCLUDE:**

* Conduct research on Shigella (or other enteric pathogens) to include immunogenicity, biochemistry, and mechanisms of action of Shigella subunit vaccines and live-attenuated vaccines
* Evaluate Shigella vaccines in clinical and pre-clinical studies to include immunizing small animals; collecting blood, lymph nodes, and mucosal washes; and determining the immune response elicited after vaccination using cellular proliferation, ASC, ELISA, and immunobead multiplexing assays
* Investigate the interactions between mucosal pathogens, vaccines, or adjuvants with cultured cell lines or primary cultures using immunofluorescent microscopy or biochemical assays
* Establish and develop laboratory procedures and analysis and evaluation of research data; participate in a cooperative effort to accomplish goals of the laboratory
* Utilize professional knowledge of theories, principles, methods, and techniques of immunology, cell biology, and microbial pathogenesis, such as ELISA, ASC assays, cellular proliferation assays, multiplex immunoassays, quantitative immunoassays, Western blotting, cell culture, small animal handling (such as mice or guinea pigs), and aseptic techniques
* Microbial genetics techniques, such as constructing plasmids and transforming bacteria
* Preparation of analytical reports submitted to the Principal Investigator

**POSITION REQUIREMENTS:**

* Bachelor’s degree in a scientific discipline is required
* Hands-on wet lab experience preferred
* National Agency Check with Inquiries (NACI) background check
* COVID-19 vaccine and other occupational health requirements set by WRAIR
* U.S. Citizen

**COMPENSATION/BENEFITS:**  
TMG offers competitive pay and benefits packages, including health insurance, paid holidays, PTO, EAP, Education Assistance, 401(k), and College Savings Plan.

The McConnell Group is an equal opportunity employer EOE M/F/Disabled/Vet