

Position Description

The Formulation & Stability group at the Vaccine Production Program (VPP/VRC/NIAID) at the National Institutes of Health is actively recruiting to fill both entry and mid-level formulation development positions. The person filling this position will be part of a dynamic and motivated team working on the characterization, formulation and development of multiple types of biologic vaccine candidates, including virus-like Particles, monoclonal antibodies, and protein nanoparticles. The successful candidate will have a bachelor's and/or Master's degree(s) in Chemistry, Biochemistry, Chemical Engineering, Pharmaceutics or a related discipline. Experience with spectroscopic analysis, physico-chemical solution analysis, and/or biologic stability assessment is highly desirable; work-related training; however; is understood to be a career-long process.

The exact responsibilities of the positions is expected to vary with the education and experience of the individual candidate. However, some or all of the following are relevant:

- Independently execute studies for the evaluation and development of stable formulations for the vaccine candidates at VRC, including study design, sample management, timeline management, data collection and data presentation.
- Develop and execute assays for the evaluation and development of stable formulations for the vaccine candidates at VRC using biophysical and biochemical assays (absorbance and fluorescence spectroscopy; dynamic light scattering; zeta potential analysis; differential scanning calorimetry, osmometry, viscometry, pH, conductivity, Fourier transform infrared and circular dichroism spectroscopies, among others).
- Develop methods for the evaluation of stable vaccine formulations.
- Analyze, interpret and present data in small group, department and conference settings.
- Write and review technical protocols and reports documenting formulation, stability and method development studies.

Desired Technical Skills

It is desirable if the applicant has practical experience with one or more of the following analytical techniques or areas

- Protein Spectroscopic Analysis (UV-Visible Absorbance, Fluorescence spectroscopy, Circular Dichroism spectroscopy)
- Classic protein biochemistry sample handling and analysis (UF/DF, SDS-PAGE)
- Physico-chemical solution analysis (Osmometry, Viscometry)
- Experience with formulation development and stability studies.
- Size Exclusion HPLC

IF INTERESTED, PLEASE CONTACT

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