

Job Requirements

We are seeking a highly motivated Senior Scientist to join the Discovery and Translational team within Pre-Clinical Development Regulated Bioanalytics at West Point. The primary role of the successful candidate will be to design and develop immunology-based bioanalytical assays in support of early vaccine programs. The individual will be responsible to contribute with limited supervision to all aspects of assay development, technology transfer, and/or troubleshooting. The ideal candidate will have solid laboratory experience in the field of immunology and/or cell biology, a broad skill set encompassing working with primary immune cells to developing bioanalytical assays capable to meet clinical assay requirement. The candidate should be current on state-of-the art technologies and is expected to champion evaluation of new technologies and optimize processes. Providing expert technical representation on multidisciplinary teams will be expected.

Responsibilities

- Provide scientific input to the design and execution of ligand binding assays (LBA) such as ELISA and/or cell-based assays such as luciferase reporter assays
- Responsible for the execution of method development, troubleshooting and/or pre-clinical/clinical sample analysis as needed
- Contribute to the assessment and implementation of new analytical technologies
- Serve as an internal subject matter expert on developed assays
- Accountability for generated the data

Work Experience

Education Minimum Requirement:

PhD in Biological Sciences or related area with 0-3 years, or a MS degree with 4+ years, or a BS degree with 7+ years

Required Skills:

- Critical thinking and good trouble-shooting skills
- Experience in general cell biology methods including maintenance of cell lines and/or primary cells
- Experience with immunoassays such as ELISA, AlphaLisa, multiplexed LBA on MSD and/or Luminex platforms
- Adherence to basic safety procedures in a BSL2 laboratory
- Good verbal and written communication
- Ability to follow procedures and thoroughly document experiments
- Communicate results effectively in presentations to stakeholders in partner organizations or at external scientific meetings, to write technical reports, and to participate on cross-functional teams

Preferred Experience and Skills:

- Experience with cell-based assays in the context of immune response characterization such as viral neutralization, PRNT/VRNT/FRNT, ELISpot, or multi-color flow cytometry
- Prior experience with PBMC isolation, human and/or mouse tumor tissue processing
- Experience in molecular biology technique such as DNA and RNA isolation, qPCR, digital PCR, RNAseq, NGS, or CRISPR
- Familiarity with liquid handlers and other automation platforms for sample preparation and assay process
- Strong attention to detail with the ability to multi-task and handle multiple responsibilities simultaneously

#PCDBioAnalytical

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