



Senior Research Associate, CMC

SUMMARY: Icosavax, Inc. is a start-up biotechnology company focused on developing potential “best-in-class” vaccines for respiratory diseases in older adults using a protein-based virus-like particle (VLP) vaccine platform. This VLP technology allows for stable, multivalent display of immunogens, driving a more robust immune response, and therefore should yield improved efficacy compared with conventional approaches. Icosavax has an experienced management team and has raised \$150M to date. Icosavax has two vaccine candidates expected to move into clinical studies in 2021 including a respiratory syncytial virus (RSV) vaccine and a SARS-CoV-2 vaccine. In addition, Icosavax is rapidly developing a broad pipeline of other vaccine candidates using the VLP platform technology.

The Icosavax CMC group is announcing an opportunity for a Senior Research Associate at their facility in Seattle, WA. The primary focus of the Senior Research Associate, CMC will involve Downstream process development and analytical characterization of virus-like particles with additional emphasis Upstream processing using a range of production systems as required.

OBJECTIVES:

- Independently design and execute protocols for biophysical characterization of recombinant proteins and protein complexes.
- Analytical method development and operation/maintenance of associated instrumentation.
- Independently design and execute protocols for recombinant protein production and purification.
- Independently author SOPs, methods and technical reports describing experimental design and data analysis.
- Conduct essential lab functions including ordering, shipping and equipment operation/maintenance.
- Maintain complete and accurate laboratory notebooks.
- Effectively communicate experimental design and results to supervisor and/or project teams.

ACCOUNTABILITIES:

- Independently perform multistep sample preparation and analytical characterization studies.
 - Make detailed observations, interpret data and organize results in a clear and logical format.
 - Identify issues with processes, methods and/or results, and troubleshoot with guidance from supervisor.
 - Collaborate with internal teams and external vendors on development projects.
 - Operate and oversee maintenance of lab instrumentation associated with protein isolation and analytical characterization.
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EDUCATION, EXPERIENCE, KNOWLEDGE AND SKILLS:

Education:

- BS degree in life sciences or bioengineering.

Experience, Knowledge and Skills:

- BS degree in life sciences or bioengineering, and a minimum of 5 years industry experience.
- Detailed knowledge of analytical characterization techniques including HPLC (SEC-MALS), Bio-Layer Interferometry (BLI), Differential Scanning Fluorimetry (DSF) and Light Scattering (SLS/DLS).
- Practical knowledge of chromatographic purification of recombinant proteins.
- Knowledge of analytical method development and/or method qualification for complex biologics preferred.
- Excellent organizational and verbal/written communication skills.
- Demonstrated proficiency in data analysis and verbal and written technical communication.

- Practical knowledge of analytical characterization techniques including SDS-PAGE, ELISA, HPLC, BLI and SLS/DLS.
- Practical knowledge of cell culture and aseptic processing techniques preferred.
- Familiarity with GMP, CFR, and ICH Guidelines preferred.
- AKTA Systems experience

PHYSICAL DEMANDS:

- Manual dexterity required to operate office and lab equipment.

LOCATION:

- Location is Seattle Washington, USA.
- Willingness to travel to various meetings or client sites, including overnight trips. (when travel bans are lifted)

Please send cover letter and resume to careers@icosavax.com