Scientist I – Protein Chemist

JOB SUMMARY: We require a highly motivated scientist to work on protein stability & aggregation as it relates to therapeutic protein development. The successful applicant will be a key member of the team and will be responsible for understanding characteristics of candidate drugs and developing and executing the formulation approach that will be most successful. Furthermore, the successful candidate will define performance criteria for any products developed to ensure that clinical performance of manufactured product is acceptable. The company utilizes a wide range of in vitro (both biology and physical/analytical chemistry based), in situ, and in vivo techniques to achieve this goal. Creativity and innovation, built on sound technical knowledge and excellent problem-solving skills, are required in order to meet the challenges posed.

DUTIES AND RESPONSIBILITIES:

Scientific Responsibilities:

- Evaluate chemical, physical, and biophysical properties of peptides, proteins, and bioconjugates relevant to drug development and subsequently communicate the interpretation and implication of results to clients.
- Develop analytical and high throughput biophysical methods to characterize product variants.
- Execute and oversee specialized analytical testing and generation of technical documents.
- Maintain a strong awareness of current scientific literature, particularly in the area of protein characterization, and actively apply new concepts as appropriate.
- Develop and evaluate new cutting-edge technologies for protein product understanding, especially product heterogeneity and impact on safety and efficacy.
- Design experiments to develop pre-clinical and clinical formulations of drug candidates to support drug discovery and development.
- Design experiments to determine the stability in prototype clinical formulations, to detect and identify the decomposition products, and to achieve formulations with acceptable shelf-life.
- Perform laboratory experiments related to the above.
- Create presentations for outside scientific meetings and conferences to showcase Wolfe Laboratories’ scientific leadership in the field of protein analysis and characterization.

Client Interaction Responsibilities:

- Interface with clients to develop an in-depth understanding of client objectives and define solutions to meet their program requirements.
- Develop compelling approaches and solutions to address client needs.
- Write persuasive proposals for the projects.
- Regularly interact with clients to keep them abreast of project progress.
- Write and review interim and final reports.
REQUIRED BACKGROUND AND EXPERIENCE:

- Ph.D. in Biochemistry, Biophysics, Chemistry or closely related disciplines.
- Two or more years of experience in drug development from the post discovery phase to the initial clinical trials phase.
- In depth experience in the area of biophysical chemistry of proteins involving structure-folding-stability relationships. This includes purification, stability, kinetics and thermodynamics of folding of monomeric proteins, particularly as they relate to the pre-formulation and formulation development of new drugs.
- Hands-on experience with chromatographic method development as well as techniques used for biophysical characterization of biopharmaceutical products such as calorimetry, spectroscopy, higher order structure analysis, protein mass spectroscopy, CE, HPLC, ELISA, and carbohydrate analysis.
- A demonstrated drive to apply technical knowledge to developing drug formulations.
- Established track record of significant contributions as an individual technical expert.
- Outstanding written and oral communication skills as well as polished and persuasive client presentation skills.

ADDITIONAL DESIRABLE BACKGROUND:

- Good understanding of excipient and ligand interaction with proteins.
- Evaluation of thermodynamic and kinetic models.
- Postdoctoral experience in analytical biochemistry or closely related discipline.

Interested candidates are requested to email a copy of their resume with a cover letter, unofficial college transcripts, and salary requirements, to: steve.pangione@wolfelabs.com.

Wolfe Laboratories, Inc. (WLI), located in Watertown, MA, is a premier contract research organization that provides integrated early drug development solutions to the biopharmaceutical industry. Wolfe Laboratories is an essential element of the drug development ecosystem, recognized by global and virtual biopharmaceutical companies as a science-driven organization whose mission is to provide outstanding discovery and development services tailored to its clients’ needs for rational formulation development. Wolfe Laboratories integrates the critical path components of early development to ensure that programs advance while meeting rigorous scientific demands with flexibility to address dynamic challenges and aggressive timelines. Wolfe Laboratories’ vision is to improve human health, and we continue to strive towards that goal by embracing our core values of integrity, excellence and teamwork. The company has a high percentage of repeat clients, which is a testament to its long-term commitment of continual investment in its capabilities to meet biopharma’s growing demand for high quality, integrated early development services.

For more information visit us at: www.wolfelabs.com.

Wolfe Laboratories, Inc. is an Equal Employment Opportunity employer.