



Research Associate II – Cell & Molecular Biology
Salary and title commensurate with experience.
Job Site: Zalgen Labs – Germantown, Maryland

Position Summary:

Zalgen Labs is seeking a highly motivated applicant with an entrepreneurial spirit for our Partnerships for Biodefense program and other novel research platforms, including the company's new COVID-19 diagnostics development program. We are seeking qualified candidates with a degree in the Life Sciences, highly relevant skills, and proven bench experience. This is an excellent opportunity to gain valuable experience with an innovative, small, young Biotech company, and build a career in the biopharmaceutical industry.

Qualifications:

Qualified applicants should have a Master of Science (M.S.) in the biological sciences and a minimum of 2 years of experience at the bench in the areas relevant to this position. Work experience in Good Laboratory Procedure (GLP) environment is preferred. Qualified applicants should possess experience in biochemistry, immunology, microbiology, toxicology, and molecular biology applications, as well as the necessary computer skills for data analysis and presentation. Additionally, skills in the design of complex structure-based biological molecules, improvements to existing antibody-based immunotherapeutic candidates, and conceptualization of novel assays to measure *in vitro* function of molecules toward progression to *in vivo* evaluation of efficacy are highly desirable. Furthermore, the candidate should be capable of designing and validating assays that characterize the pharmacokinetic/pharmacodynamic profile of lead-molecules *in vivo*. To support the clinical translation of lead-molecules, applicants acquainted with the regulatory framework behind drug development are also highly preferred.

Zalgen is currently seeking applicants with specific knowledge and demonstrable skills in the design and expression of recombinant SARS CoV-2 proteins of serological relevance in multiple systems, process development optimization in scale-up settings toward maximizing yields and purity of these proteins for large scale assay manufacturing. Candidates should be proficient in current SARS CoV-2 and other coronavirus protein expression and purification challenges, and applicable solutions derived from direct laboratory troubleshooting and optimization experience.

Relevant assay development skills include immunoassay, such as Enzyme-Linked Immunosorbent assay (ELISA), Lateral Flow Immunodiagnostic (LFI), Immunofluorescent Assay (IFA), Western blot, protein chemistry, protein purification techniques, such as Fast Protein Liquid Chromatography (FPLC), High Pressure Liquid Chromatography (HPLC) including Protein A, G, other affinity-based techniques, size exclusion and ion-exchange chromatography (IEX), design and execution of Surface Plasmon Resonance (SPR) assays for qualitative and quantitative measurement of binding complexes and affinities, design and analysis of multi-parameter flow cytometry (FACS) assays, accurate preparation of culture media and buffers, proficiency in mammalian (CHO, 293, NS0, etc.) bacterial (*E. coli*), and insect (*Drosophila* S2) cell culture. Proficiency with Design of Experiment (DOE) and



PRIZM statistical analysis is preferred, JMP and SAS is desired. Computer skills include proficiency in MS Office and Excel, SoftMax-Pro/Gen-5, or equivalent.

Candidates should feel comfortable working in a high risk/potential high reward environment and able to work overtime and weekends as project needs are determined. Excellent communication skills and the ability to analyze and interpret data, demonstrate critical thinking, design appropriately controlled experiments independently, and maintain up-to-date laboratory notebooks are a must. Accuracy in pipetting and attention to detail are critical for this position. Additional desired skills include preparation and delivery of oral and written presentations, and participation in the preparation and submission of manuscripts for publication or National Institutes of Health (NIH) grant applications. Short term travel may be occasionally required. The work will be done in 20271 Goldenrod Lane, Suite 2083, Germantown, MD 20876.

Please send curriculum vitae and availability to careers@zalgenlabs.com

Benefits:

Zalgen Labs offers a competitive salary and benefits plan including health insurance (medical, dental & prescription), 401k, Flexible Spending Account, time away from the office based on the Federal Holiday schedule plus two (2) weeks paid vacation per calendar year.

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