Regeneron Pharmaceuticals - Assoc. Scientist - Proteomics/Immunopeptidomics

Summary:

Regeneron is looking for a highly motivated Associate Scientist who will leverage our state-of-the-art facilities and technology to perform qualitative and quantitative mass spectrometry experiments focusing on autoimmune, infectious disease and oncology targets. The successful candidate’s primary responsibility will be to utilize the latest mass spectrometry techniques for the discovery and validation of novel viral- and cancer-specific antigens from human tissues and cell lines as well as to develop innovative techniques and investigate new technologies to enhance our target discovery efforts. The successful candidate will operate state-of-the-art mass spectrometry to analyze patient derived samples. Daily activities will include tissue preparations, affinity purification, peptide purification, and the analysis of mass spectrometry data. Further responsibilities will be the integration of whole exome sequencing and RNA seq data with mass spectrometry results, developing proteomic databases for the target discovery efforts, and validation of results. Previous experience with mass spectrometry is a highly desirable prerequisite.

Job Duties:

• Participation in the day-to-day operation of Orbitrap Fusion Lumos mass spectrometers

• Engage in method development and optimization

• Preparation of MS samples from a variety of sample types including sample pre-fractionation and proteolytic digestion

• Affinity purification of endogenous peptides from a variety of different samples (i.e. patient tissue biopsies, animal specimens, and cell culture)

• Sample analysis and fractionation using HPLC techniques

• Work closely within and across scientific disciplines to design and perform analyses

• Present data packages and conclusions to internal and external collaborators

Requirements:

• PhD in biology, biotechnology or medicine.

• Basic knowledge of operating an HPLC and mass spectrometer (LC-MS)

• Knowledge in immunology and cancer research

• Experience in basic MS sample preparation and analysis

• Experience with immunoprecipitation sample preparation techniques

• Mass Spectrometric data analysis using Xcalibur, PEAKS, Skyline and general DB search engine tools

• Expertise in large-scale data analysis of NGS (Whole Exome sequencing, RNA-seq, and MS proteomics) is a plus.

• The position requires the ability to work in interdisciplinary projects, independently take responsibility of your project, strong teamwork and communication skills, reliability, attention to detail and effective time management.

Other Qualifications

• Strong organizational skills and attention to detail

• Able to work effectively in a fast-paced industry environment
• Self-motivated, self-disciplined, and able to function independently, as well as part of a team
• Strategic agility, strong critical thinking and problem solving
• Ability to prioritize, multi-task, and work in an evolving environment
• Excellent presentation and written/verbal communication skills
• Excellent computer proficiency (MS Word, Excel, PowerPoint) and experience with R Studio and Python is a plus

Known for its scientific and operational excellence, Regeneron is a leading science-based biopharmaceutical company that discovers, invents, develops, manufactures, and commercializes medicines for the treatment of serious medical conditions. Regeneron commercializes medicines for eye diseases, high LDL-cholesterol, atopic dermatitis and a rare inflammatory condition and has product candidates in development in other areas of high unmet medical need, including rheumatoid arthritis, asthma, pain, cancer and infectious diseases.

This is an opportunity to join our select team that is already leading the way in the Pharmaceutical/Biotech industry. Apply today and learn more about Regeneron’s unwavering commitment to combining good science & good business.

To all agencies: Please, no phone calls or emails to any employee of Regeneron about this opening. All resumes submitted by search firms/employment agencies to any employee at Regeneron via-email, the internet or in any form and/or method will be deemed the sole property of Regeneron, unless such search firms/employment agencies were engaged by Regeneron for this position and a valid agreement with Regeneron is in place. In the event a candidate who was submitted outside of the Regeneron agency engagement process is hired, no fee or payment of any kind will be paid.

Regeneron is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability status, protected veteran status, or any other characteristic protected by law.