Research Scientist, Encoded peptide libraries (Discovery Sciences)

Job ID
REQ-10019761
Aug 26, 2024
Switzerland

Summary

5000+! That's the number of associates in Biomedical Research at Novartis. This division is the innovation engine of Novartis, focusing on powerful new approaches that will help produce therapeutic breakthroughs for patients. The Discovery Sciences department (DSc) in Biomedical Research drives drug discovery and champions innovative approaches such as Radioligand Therapeutics (RLT).

About the Role

The Chemical Genetics group in DSc, Basel/Switzerland, is seeking a highly motivated, curious, and innovative research scientist who is interested in making an impact on drug discovery through scientific technologies and by boosting our endeavors in the identification, characterization, and development of novel RLTs, siRNAs and emerging therapeutic modalities. We are a highly collaborative, global group of researchers exploring the interface of chemistry and biology for projects in early drug discovery. More specifically, we apply and develop encoded library technologies for the discovery of low molecular weight and peptide binders to disease relevant targets and explore emerging drug modalities as novel innovative path to therapeutics. Our group is part of the larger DSc department that encompasses a spectrum of sophisticated capabilities for successful, state-of-the-art drug discovery.

Your responsibilities include, but are not limited to:

- Conduct all experimental aspects of peptide mRNA-display for drug discovery projects with an emphasis on Radioligand therapy and siRNA projects: Prepare and analyze reagents for platform execution. Execute encoded peptide library screening campaigns manually and using lab automation. Interpret results, recognize when procedures are not working and provide explanations and/or solutions.
- Innovate and further develop existing encoded library technologies. Propose and explore novel experimental alternatives.
- Analyze experimental data and communicate results at internal meetings
- Closely work within multidisciplinary, collaborative project teams and contribute to a constructive team environment
- Efficiently contribute to the maintenance of a functional laboratory and technical equipment

Minimum requirements:

- MS equivalent (e.g., university degree, etc.) in scientific discipline such as biology, chemistry or pharmacology; or BS/apprenticeship (or equivalent) with appropriate and relevant experience in drug discovery

- Strong wet-lab experience in molecular biology, biochemistry and biophysics. In particular, manipulation and analysis of oligonucleotides and proteins.
- Interest in working with medium throughput lab automation
- Ability to adapt to scientific challenges and to generate innovative solutions
- Affinity towards exploring novel technologies and therapeutic approaches for drug discovery

Desirable Requirements:

- Interdisciplinary interest at the interface of chemistry, biology, and technology
- Practical knowledge with encoded library screening: e.g. mRNA- or phage-display, DNA-encoded libraries
- Experience with complex lab automation and/or developing tools for analyzing large data sets
- Expertise in identifying and characterizing LMW and peptide ligands
- Used to working within a highly productive and fast-paced environment

Novartis is committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? https://www.novartis.com/about/strategy/people-and-culture

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Biomedical Research
Business Unit
Pharma Research
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Switzerland
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Basel (City)
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Job Type
Full time
Employment Type
Regular
Shift Work
No
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