

# Principal Scientist with PhenoCycler Fusion experience (PhD)

Job ID  
REQ-10017225  
Sep 04, 2024  
USA

## Summary

We are seeking a highly motivated individual passionate about cutting-edge technology to explore single cell multiplex spatial proteomics. This role involves working with the latest generation PhenoCycler Fusion instrument and collaborating with translational immunologists, cancer biologists, and other researchers to advance our understanding of cellular processes in complex tissues and their application to drug development. This role offers exciting opportunities for career development, enhancing leadership skills and influencing collaborative efforts within various disease areas.

## About the Role

Internal Job Title: Principal Scientist I/II

Position Location: Cambridge, MA, onsite

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### Key Responsibilities:

- Operate, maintain, and utilize the PhenoCycler Fusion (formerly CODEX).
- Build and optimize antibody panels.
- Conjugate and perform quality control of reagents.
- Consult with users on potential projects, including sample accessibility and experimental design.
- Optimize procedures, design panels, and provide data analysis consultation.
- Conduct multiplex imaging experiments.
- Perform basic data quality evaluation.
- Analyze data using licensed software.
- Maintain records of procedures and resultant data, both manually and on the computer.

### Knowledge, Skills, and Abilities:

- Serve as a leader in spatial proteomic single cell biology and translational research applications, focusing on new targets, biomarkers/patient population selection, and treatment strategies.
- Focus efforts in priority application areas in Biomedical Research (BR) at Novartis to deliver impactful results through matrix collaboration with DA teams.
- Building on success from initial focused efforts, develop broader application strategies at BR in translational and reverse translation research, with support from leaders in Discovery Science, Disease Areas and Biomedical Research.
- Strong interpersonal and communication skills for close collaboration with team members.
- Ability to work effectively in a fast-paced, diverse environment.
- Good judgment, technical problem-solving, and analytical skills.
- Flexibility and adaptability as technology evolves.
- Prior experience in imaging techniques and applications in biological research.
- General lab skills and knowledge of lab safety and infection control.

### **Qualifications:**

- Ph.D. in immunology, biological sciences, biochemistry, or a related field, and 2+ years of related postgraduate work experience
- Other technical and academic degrees will be considered with relevant research experience.
- 3+ years of demonstrated skill and experience using CODEX/PhenoCycler.
- Possess deep knowledge and expertise in immunology, biology, and multi-omics applications in translational research across various disease areas such as oncology (ONC), immuno-oncology (IO), immunity-driven diseases, and related treatment strategies.
- Understanding sample preparation, instrument optimization, and data analysis.
- Interest in bioinformatics and experience with software.
- Ability to identify and troubleshoot critical issues.
- Detail-orientated

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**Novartis Compensation and Benefit Summary:** The pay range for this position at commencement of employment is expected to be between \$112,800 to \$186,000/year; however, while salary ranges are effective from 1/1/24 through 12/31/24, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and

discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an “at-will position” and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

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**Commitment to Diversity and Inclusion:** 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?

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Division

Biomedical Research

Business Unit

Pharma Research

Location

USA

Site

Cambridge (USA)

Company / Legal Entity

U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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