

Research Scientist – Cancer Biology & Bioinformatics (PhD)

Position Title: Research Scientist – Bioinformatics and Artificial Intelligence

Department: Research

Reports To: Chief Scientific Officer

Location: LA

Status: Full-Time

About CureScience Institute

CureScience Institute is a translational research and precision medicine organization focused on advancing personalized approaches for cancer, neurological disorders, immunotherapy, and complex disease. Through research, bioinformatics, clinical collaborations, and patient-centered education, CureScience works to help accelerate access to innovative treatment insights and scientific advancement.

Position Summary

CureScience Institute seeks a highly motivated Research Scientist – Cancer Biology & Bioinformatics to support its growing precision medicine and translational oncology programs.

This individual will work at the intersection of cancer biology, genomics, immunology, and computational analysis to help identify actionable therapeutic targets, evaluate molecular pathways, analyze multi-omic datasets, and contribute to the development of personalized treatment strategies.

The successful candidate will collaborate closely with scientific leadership, bioinformaticians, data scientists, and clinical partners to advance research initiatives focused on cancer biology, immunotherapy, biomarker discovery, repurposed drugs, and precision oncology.

Key Responsibilities

Cancer Biology Research

- Analyze molecular mechanisms involved in tumor initiation, progression, metastasis, and treatment resistance.

- Investigate signaling pathways, tumor microenvironment interactions, and immunologic mechanisms relevant to cancer progression.
- Support development of translational oncology research projects.

Bioinformatics & Data Analysis

- Analyze genomic, transcriptomic, proteomic, and other molecular datasets.
- Conduct pathway analysis and biological interpretation of sequencing and biomarker data.
- Support identification of therapeutic targets, biomarkers, and precision medicine opportunities.
- Collaborate with AI and computational biology teams to develop novel analytical approaches.

Precision Medicine Programs

- Contribute to interpretation of molecular profiling results.
- Assist with neoantigen, immune monitoring, and biomarker discovery initiatives.
- Support preparation of scientific reports and research deliverables.

Scientific Communication

- Prepare figures, presentations, and summaries for internal and external audiences.
- Contribute to scientific publications, abstracts, grant applications, and technical reports.
- Participate in multidisciplinary scientific discussions and project planning.

Collaborative Research

- Work closely with laboratory, computational, and clinical teams.
- Support development of new research partnerships and collaborative projects.
- Assist with study design and translational research initiatives.

Qualifications

Required

- PhD in Cancer Biology, Molecular Biology, Genetics, Bioinformatics, Computational Biology, Systems Biology, or a closely related field.
- Strong understanding of cancer biology and molecular mechanisms of disease.
- Experience working with genomic and molecular datasets.

- Demonstrated scientific writing and communication skills.

Preferred

- Experience in precision oncology, immunotherapy, tumor immunology, or translational cancer research.
- Familiarity with RNA sequencing, whole exome sequencing, whole genome sequencing, and pathway analysis.
- Experience with R, Python, Bioconductor, or related bioinformatics tools.
- Experience working in multidisciplinary research environments.
- Publication record in peer-reviewed scientific journals.

Work Environment

- Full-time position.
- On-site.
- Collaborative, multidisciplinary research environment.

Compensation

Compensation is competitive and commensurate with experience.

To Apply

Please email resume and note of interest to chris@curescience.org