



Senior Scientist – Cellular & Molecular Oncology

Headquarters: New Haven, CT

Location: Work at New Haven, CT Lab, in-person

Experience: 2+ years of hands-on lab experience in cell analysis and cell biology

Position Type: Full Time or Internship

About CellsBin

CellsBin is a tech-bio company advancing precision medicine through cutting-edge rare-cell detection and analysis. Backed by prestigious investors, we develop scalable, sensitive platforms that unlock new insights into cell behavior for diagnostics and therapeutic monitoring. We are committed to enabling real-time, non-invasive analysis of rare cells, providing actionable insights for cancer care and cell therapy.

Job Description

We are seeking a Senior Scientist in cellular and molecular oncology with deep expertise in immunobiology and hematology to lead R&D efforts focused on cancer monitoring and cell therapy solutions. This role will drive the design and optimization of assays and technologies for rare-cell analysis and therapy response.

The ideal candidate brings strong experience in immuno-oncology, rare-cell biology, and translational research, and will play a key role in shaping scientific strategy and innovation.

In addition to R&D, the role involves close collaboration with the lab team to guide experimental execution, optimize protocols, and troubleshoot technical challenges.

You will also engage directly with clients, serving as the technical lead to understand their needs, communicate scientific insights, and deliver tailored solutions—ensuring CellsBin’s technologies address real-world challenges in oncology and cell therapy.

Key Responsibilities

- Research & Assay Development
 - Lead the design, development, and optimization of novel assays for rare-cell analysis (in cancer and cell therapy)
 - Collaborate with the technology team to build and refine innovative tools addressing oncology challenges
- Data Analysis & Product Insight
 - Analyze complex biological datasets to extract actionable insights
 - Inform product refinement and contribute to the development of advanced capabilities in CellsBin’s platforms
- Experimental Execution & Troubleshooting
 - Partner with lab teams to implement protocols, optimize workflows, and troubleshoot technical issues
 - Ensure experimental accuracy, reproducibility, and alignment with project goals
- Client Engagement & Technical Support
 - Serve as the technical point of contact for customers, providing expert guidance on product applications
 - Collaborate with clients to tailor solutions to their cancer and cell therapy monitoring needs
- Collaboration & Mentorship
 - Mentor junior scientists and lab personnel, fostering a collaborative and knowledge-driven work environment
 - Support cross-functional teams to accelerate research initiatives and translational impact

We’re Looking For

- PhD in Immuno-Oncology, Molecular Biology, Hematology, or related field
- 3+ years of postdoc or industry experience in cellular/molecular oncology, rare-cell biology, or cell therapy
- Proven R&D experience in assay development for cancer monitoring or therapeutic applications
- Proficient in flow cytometry, PCR, and other molecular biology techniques
- Strong background in immuno-oncology and hematology
- Effective collaborator with hands-on lab experience and protocol optimization
- Clear communicator, able to present complex science to diverse audiences
- Demonstrated leadership and mentoring ability with a focus on innovation

At CellsBin, you’ll:

- Join a fast-growing startup at the forefront of cancer research and cell therapy
- Collaborate with leading scientists, engineers, and innovators
- Contribute to breakthrough technologies in cancer diagnostics and precision medicine
- Help drive meaningful impact for patients worldwide

Please submit your resume and cover letter to talent@cellsbin.com