

Senior Scientist/Scientist – Cell Therapy High Throughput System (HTS)

[Senior Scientist/Scientist – Cell Therapy High Throughput System \(HTS\) at Takeda Pharmaceutical \(takedajobs.com\)](https://www.takedajobs.com)

Are you looking for a patient-focused, innovation-driven company that will inspire you and empower you to shine? Join us as a Senior Scientist/Scientist – Cell Therapy High Throughput System (HTS) for our Cell Therapy group in our Cambridge, MA office.

At Takeda, we are transforming the pharmaceutical industry through our R&D-driven market leadership and being a values-led company. To do this, we empower our people to realize their potential through life-changing work. Certified as a Global Top Employer, we offer stimulating careers, encourage innovation, and strive for excellence in everything we do. We foster an inclusive, collaborative workplace, in which our global teams are united by an unwavering commitment to deliver **Better Health and a Brighter Future** to people around the world.

POSITION OBJECTIVES:

This Senior Scientist/Scientist position will play a crucial role in daily operations of high throughput system (HTS)/liquid handling system within the Cell Therapy group to optimize cell therapy workflows including process, analytics and GMP. The primary focus of this position will be to develop and optimize liquid handler scripts, in addition to execution of planned experiments on the liquid handling system. With minimal supervision, this individual plans and executes experiments with any changes required in the scripts on the liquid handling system. This individual assists in preparation of study results and present them at team or department meetings. This role works cross-functionally across process development, analytical development, automation and manufacturing teams to support Takeda's future programs and identifies potential bottlenecks in process and undertakes initiatives to increase throughput.

POSITION ACCOUNTABILITIES:

- Works with departmental and/or cross functional peers to execute on assignments, under limited supervision
- Owns responsibility for daily operation and maintenance of the high throughout system
- Works with peers across department to identify bottlenecks in manual processes and provides innovative solutions to automate manual assays/processes
- Actively work with peers to onboard new processes and assays onto the automation system to increase throughout and accuracy

- Prepares complex protocols and assists in the development and implementation of automation protocols
- Contributes significantly to project work which may include multiple projects within functional area
- Reviews, interprets and communicates data internally (e.g., to supervisor, project teams) and prepares technical reports.
- Proposes and implements resolutions to technical problems/issues
- Works with external partner and vendors on relevant projects
- Owns the responsibility for routine cell culture activities related to various programs
- Supports local initiatives as directed by supervisor and participates in global CMC or functional initiatives as appropriate
- Supports the definition and troubleshooting of methods on the high throughput robot
- Coordinates within department as well as cross functionally with peers on project work
- Assists in training of associates on robotic processing
- Collaborates with IT for ongoing requirements and data integration initiatives
- Evaluates new hardware and software tools for continuous improvement of the HTS platform

EDUCATION, EXPERIENCE AND SKILLS:

Education and Experience:

To Be Considered for the Senior Scientist Level:

- Bachelor's degree in chemistry, biology, pharmacy, engineering or related pharmaceutical science; 10+ years relevant industry experience
- Master's degree in chemistry, biology, pharmacy, engineering or related pharmaceutical science; 8+ years relevant industry experience
- Ph.D. degree in chemistry, biology, pharmacy, engineering or related pharmaceutical science; 2+ years relevant industry experience
- Previous hands-on experience with working on and writing scripts for an automated liquid handling system such as Hamilton, Tecan, HighRes or similar is required

To Be Considered for the Scientist Level:

- Bachelor's degree in chemistry, biology, pharmacy, engineering or related pharmaceutical science; 8+ years relevant industry experience
- Master's degree in chemistry, biology, pharmacy, engineering or related pharmaceutical science; 6+ years relevant industry experience
- Ph.D. degree in chemistry, biology, pharmacy, engineering or related pharmaceutical science
- Previous hands-on experience with working on and writing scripts for an automated liquid handling system such as Hamilton, Tecan, HighRes or similar is required

Knowledge and Skills:

- Experience in working with liquid handling robotics is highly preferred
- Experience in working with integrated peripheral equipment such as incubators, plate readers, robotic arms is highly desired
- Knowledge and experience developed in scale down models for process and analytical development is highly desired
- Analytical and Problem Solving Skills - Able to troubleshoot critical issues or problems and determine causes and possible solutions using appropriate information
- Teamwork – Ability to work well in a highly cross-functional team environment
- Communication – Able to express one's self clearly and concisely within team; documents issues and/or concerns concisely with colleagues; timely and effectively communicates issues to supervisor; technical writing skills to support contributing to internal technical documents
- Leadership – Ability to lead projects, define project map, timelines
- Organization – Exercises good time management and prioritization skills and is able to successfully manage multiple tasks simultaneously
- Knowledge Sharing – Ability to capture organizational knowledge; improve solutions, processes, and deliverables through use of information; improve information capital by contributing experience, theories, deliverables, and models for others to use
- Technical – Proficiency in use of applicable lab equipment and operations

LINE FUNCTION SPECIFIC QUALIFICATIONS

Cell Therapies:

- Experience in CART, stem cell biology, immune-oncology is highly desirable
- Experience in handling cells and understanding of aseptic techniques is highly desirable

- Experience in process development and assay development is highly desirable
- Beneficial to have experience in principles and practices of cellular immunology and/or stem cell biology, including cell culture, cell transfection and transduction, development and execution of functional in vitro methods relevant for various types of immune cells and/or stem cells

TRAVEL REQUIREMENTS

- May require approximately up to 0-10% travel

WHAT TAKEDA CAN OFFER YOU

- 401(k) with company match and Annual Retirement Contribution Plan
- Tuition reimbursement Company match of charitable contributions
- Health & Wellness programs including onsite flu shots and health screenings
- Generous time off for vacation and the option to purchase additional vacation days
- Community Outreach Programs

Empowering Our People to Shine

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No Phone Calls or Recruiters Please.

#LI-AA1

This job posting excludes CO applicants