Position Summary

The Reshef lab at the Columbia Center for Translational Immunology (CCTI) is looking for a talented, ambitious, and highly motivated individual to work in the exciting field of bone marrow transplantation, CAR-T cell therapy and cancer immunotherapy. This position will support research in translational immunology under the direct supervision of the Principal Investigator and in collaboration with other members of the lab.

Primary responsibilities include developing and conducting biological assays to monitor immune responses in patients undergoing transplantation or CAR-T cell therapies, working with animal transplant models to develop new therapies for graft-versus-host disease, and supporting the smooth operation of the laboratory.

The technician will learn and implement a variety of techniques including advanced flow cytometry, cell culture, single-cell sequencing and immunohistochemistry. A qualified individual will have the opportunity to pursue an independent research project, which they may be able to present and publish.

Responsibilities

- Perform experiments in cell culture and animal models
- Perform data processing and analysis.
- Assist in the development of new assays and methods.
- Maintain a detailed, up-to-date, and accurate record of samples and reagents. Maintain and organize inventory.
- Contribute to building a culture that embraces scientific excellence, integrity, efficiency, teamwork, and continuous learning and improvement.

Minimum Qualifications

- Bachelor's degree in biological sciences, engineering, chemistry, physics, math, computer sciences, or related fields.
- Familiarity and excellent skills with PCR and sterile culture techniques.
- Prior experience with work in a lab environment. Ideal candidates will be quick learners and comfortable with new technologies and have excellent hands-on and organizational skills.
- Attention to detail and quality.
- Skills for problem identification and troubleshooting.
- Excellent interpersonal, organizational and communication skills. Must be able to multi-task, work independently as well as part of a team.
Preferred Qualifications

- Previous experience with immunologic assays, cell culture and flow cytometry. Training will be available for qualified applicants who lack specific experience.
- Previous experience in mouse models is preferred but not mandatory.

Other Requirements