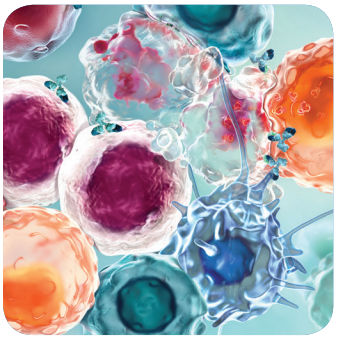
bring your *leadership* gene.



**Cell Therapy is a new frontier with many interdependencies and a critical need for innovation. Our accelerated "boot camp" can supplement your own unique talents with the essential capabilities to join our fight against disease.**



# Cell Therapy Rotational Program (CTRP)

Celgene's CTRP provides full-time employment to a select group of recent college graduates (BS/MS) in Life Sciences & Engineering.

Participants gain experience across the breadth of functional areas within the Celgene Cell Therapy Development Organization (CTDO) over the course of 2 years through 4x6 month rotations.

## Candidates will be technically immersed and formally trained during their experiences in:

- **Cell Therapy Development**
- **Cell Therapy Technology**
- **Manufacturing**
- **Manufacturing Sciences & Technology**
- **Quality Assurance**
- **Supply Chain**
- **Chemistry, Manufacturing & Controls (CMC)**
- **Patient Experience**

## CTDO locations include:

- **Washington** (Seattle, Bothell)
- **New Jersey** (Summit, Warren)
- **Other International & Domestic Locations**

Celgene | **bring your unique gene.**

**To apply:**
Email resume and cover letter to
**CTRP@celgene.com**

Associates in **Celgene's Cell Therapy Rotational Program (CTRP)** will experience four different six-month assignments over the course of two years in functional areas within the Cell Therapy Development Operations (CTDO) organization. These assignments will include projects in Cell Therapy Development, Cell Therapy Technology, Manufacturing, Manufacturing Sciences & Technology, Supply Chain, Quality Assurance, Chemistry, Manufacturing & Controls (CMC), and Patient Experience.

## What does each CTDO functional area do?

**Cell Therapy Technologies** (CTT) develops manufacturing and testing platforms to enable new product formats, increased product control, lower cost, and lower operational complexity. The CTT department works to accelerate the development and implementation of novel technologies to CTDO for integration into existing drug product platform processes.

**Cell Therapy Technical Development** (CTD) encompasses the technical development of pipeline cell therapy programs. Within CTD, the **Process Development** (PD) and **Analytical Development** (AD) groups oversee both developing the cell therapy manufacturing process and developing analytical control strategies for pipeline programs. The **Development Operations** group supports PD and AD groups in various ways including through data management, introducing automation, analytical support, high-throughput capacity to assays, and by producing, providing, and tracking critical reagents. The **Product Sciences** group develops and executes product characterization strategy for clinical programs and integrates cross-product knowledge to inform process and platform development.

The **Manufacturing Sciences and Technology** (MSAT) team provides technical expertise and ownership of the CAR T cell manufacturing process, supports manufacturing site's right to operate and facility improvements, leads validation activities, business owner for manufacturing-focused automation activities (e.g., MES, DeltaV, OSI PI), conducts tech transfers to internal and external manufacturing sites, and implements process changes as well as next generation manufacturing equipment per the product's life cycle plan.



The **Manufacturing** group is responsible for manufacturing clinical trial material, making it available for clinical studies and afterwards, and will also be responsible for the manufacturing of final GMP commercial products. This group takes processes established by the Process Development and Analytical Development groups, converts them to GMP, and ensures their deployment in a GMP compliant environment. Manufacturing collaborates on facility, equipment, process improvements with various stakeholders including CTT, facilities and engineering and MSAT, works closely with scheduling/supply chain, and requires technical expertise in addition to meticulous documentation to help ensure chain of identity of patient material, support product safety, and compliance.

The **Quality** organization leads Celgene's adherence to product quality and GMP compliance requirements to support patient safety, minimize regulatory risks and accelerate product development and commercialization. The Quality organization also conducts testing of our cell therapy products before they are released to treatment sites for administration to patients.

The goal of the **Supply Chain** organization is to ensure compliant and continuous supply across CTDO. The organization encompasses various groups including supply planning and logistics, external manufacturing and strategic sourcing, supply product leads, and operations research.

The focus of the Cell Therapy **Patient Experience** team is on delivering and creating a quality patient experience for patients receiving a Celgene CAR T cell therapy. At a detailed level, this includes coordinating conversations with the CAR T provider, patient scheduling, transfer of patient material to manufacturing, and return of material back to the treatment site for infusion to the patient.

The **Chemistry Manufacturing and Controls** (CMC) teams define strategies for both early- and late-stage pipeline cell therapy molecules and enable global regulatory approval and launches. CMC teams use, develop, and deploy project management tools and provide project management support for CTDO.

## How to apply to CTRP

Email your resume to CTRP@celgene.com
Include your school's name in the subject of the email