

Research Assistant – Plant Biotechnology

Company: Create Biomedicines (A Division of Trillion Cells)

Location: Monrovia, Liberia

Experience Level: Entry-Level (0–2 years)

Employment Type: Contract

About Create Biomedicines & Trillion Cells

At **Trillion Cells**, we are building bold, scalable solutions at the intersection of technology and biology. **Create Biomedicines**, our BioTech division, is currently establishing a cost-effective, scalable bio-manufacturing platform near Monrovia, Liberia.

Access to essential biomedical products, such as diagnostic reagents and therapeutics, remains a major challenge across Africa. Our mission is to bridge this gap by leveraging plant-based bio-manufacturing to produce key target proteins, including lectins and monoclonal antibodies, directly on the continent.

Role Overview

We are seeking a curious and detail-oriented **Research Assistant** to join us during the foundational phase of our biotech platform.

In Phase 1 of our research, you will support studies on wild-type plant species traditionally used for lectin and transgenic protein production. You will be responsible for observing, tracking, and analyzing how these plants respond to local environmental factors, seasonal variations, and extreme weather conditions, focusing specifically on metrics like growth rate, stress response, and overall plant health.

Key Responsibilities

- **Plant Health & Field Monitoring:** Routinely inspect, record, and evaluate plant physiological conditions and growth metrics under varying climate conditions and stress environments.
- **Data Collection & Logging:** Systematically gather and maintain accurate datasets on environmental variables (temperature, humidity, rainfall) and plant performance.

- **Research Analysis:** Assist in analyzing research data to identify trends, environmental resilience patterns, and growth indicators.
- **Cross-Divisional Collaboration:** Support research tasks and related initiatives across other divisions within Trillion Cells as project priorities evolve.
- **Standard Operating Procedures:** Help establish clear data-logging protocols and field setup standards for ongoing trials.

Required Qualifications

- **Educational Background:** Bachelor's degree in Plant Biotechnology, Agricultural Biotechnology, Agronomy, Plant Science, or a closely related field.
- **Experience:** 0–2 years of practical field, greenhouse, or lab research experience (academic research and internships included).
- **Mission-Driven Mindset:** High passion for biotechnology and a strong awareness of the broader biomedical supply shortages in Africa.
- **Core Skills:** High attention to detail, strong organizational abilities, and dedication to accurate data logging.

Preferred Qualifications (Nice-to-Have)

- **Tech-Savvy:** Comfort with modern digital tools, cloud platforms, or field data hardware.
- **Data & AI Literacy:** Familiarity with AI-powered data analysis tools or an interest in learning and using AI tools for tracking and streamlining research workflow.

What We Offer

- **Impactful Mission:** Direct involvement in building early-stage biotechnology infrastructure from the ground up in West Africa.
- **Growth & Mentorship:** Hands-on experience with molecular farming concepts, data-driven plant research, and modern biotech practices.
- **Cross-Disciplinary Exposure:** Opportunity to collaborate with teams across multiple innovative divisions within Trillion Cells.

How to Apply

Please submit your **CV/Resume** along with a brief **Cover Letter** detailing your background in plant science and why you are passionate about expanding biomedical access across Africa. Send Resume and Cover Letter to info@trillioncells.com