

# CellulaAI™

## Cell Programming AI Engine

CellulaAI® is a next-generation AI-driven platform designed to revolutionize cell therapy. By integrating advanced computational modeling, multi-omics data analysis, and deep-learning-driven optimization, CellulaAI® dramatically enhances the precision, scalability, and efficiency of cell-based treatments.

### Why Choose Ainnocence?

- 1 Comprehensive Genome Screening
- 2 Wet-lab validated
- 3 Ultra-high throughput
- 4 Rapid Turnaround: from a few hours to two weeks

### Key Components

-  **Intelligent Cell Engineering**  
*Rapidly identifies and optimizes cell phenotypes for therapeutic applications, ensuring enhanced efficacy and reduced off-target effects.*
-  **AI-Optimized Cell Line Development**  
*Streamlines the discovery and refinement of high-performing cell lines with predictive modeling and multi-objective optimization.*
-  **Precision Manufacturing & Quality Control**  
*Utilizes real-time AI-driven analytics to monitor and optimize cell therapy production, improving batch consistency and regulatory compliance.*
-  **Multi-Omics Integration**  
*Leverages AI to process genomics, transcriptomics, and proteomics data, revealing novel insights into cell function and therapeutic potential.*

### Application Scenarios

Cell Therapy  
Regenerative Medicine  
Synthetic Biology  
Biomanufacturing  
Precision Medicine &  
Diagnostics