

**PRESS RELEASE**

Sep 19, 2024

**Chiyoda Corporation and the University of Tsukuba announce the Completion and Operation of an Advanced Cell Processing Facility (CPF) at the University of Tsukuba Hospital**

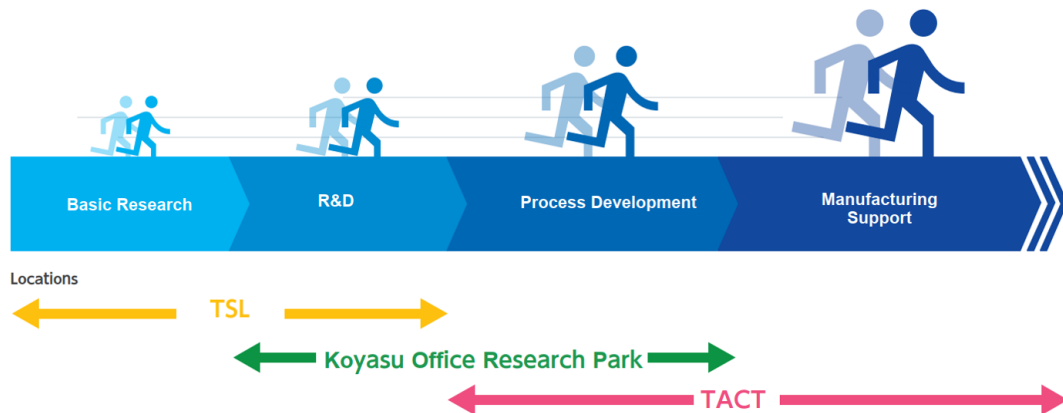
Chiyoda Corporation (Chiyoda) is pleased to announce the completion of the Tsukuba Advanced Cell Therapy Facility (TACT) in September 2024, for operation one month later, in a collaborative project with the University of Tsukuba and the University of Tsukuba Hospital.

As a pioneering engineering company, Chiyoda has over 60 years of experience, and successfully completed more than 630 projects, in the life science field. We commenced Joint Research and Commissioned Research <sup>(\*)1</sup> with the University of Tsukuba and established the Tsukuba Stem Cell Lab (TSL) within the University of Tsukuba Industry-Academia Liaison Joint Research Center in 2020. This collaborative venture combines Chiyoda's accumulated technical expertise with the academic knowledge of the University of Tsukuba to support the comprehensive development of foundational technologies in the field of cell therapy, from basic research to societal implementation.

TACT utilizes the foundation of the collaborative innovation hub "Tsukuba Digital-Bio International Center" <sup>(\*)2</sup> to develop manufacturing processes for cell therapy and other products. With the addition of TSL and our Subsidiary Office Research Park, Chiyoda now has three bases to expand our "Technical Consulting" <sup>(\*)3</sup> services to establish manufacturing process conditions for cell therapy products and evaluate cell characteristics, combining academia, medical institutions and businesses from basic research to manufacturing development support. Chiyoda's participation aims to establish the manufacturing and technology of immune cells, derived from induced pluripotent stem cells, to serve as the foundation for the practical application of cancer immunotherapy research.

Through this project, we will continue 'Enriching Society through Engineering Value'.

## Technical Consulting



### (\*1) Joint Research and Commissioned Research

A University of Tsukuba program to solve common academia and industry challenges. Companies allocate research personnel and fund University of Tsukuba faculty members, and industry researchers collaborate on joint research on an equal footing.

[Joint Research and Commissioned Research | Headquarters for International Industry-University Collaboration University of Tsukuba](#)

### (\*2) Tsukuba Digital-Bio International Center

Based on the 'Creation of Collaborative Innovation Hubs' program,, supported by the Japan Science and Technology Agency (JST), to establish hubs that utilize bioresources and digital technologies in Tsukuba, enabling interdisciplinary research to support the well-being of all generations and contribute to the realization of a better society.

[Internet Security by Zscaler \(tsukubadigitalbio.jp\)](#)

### (\*3) Technical Consulting

Chiyoda's new service business providing strategic and technical solutions in the research and development, manufacturing process development, and support for cutting-edge pharmaceuticals such as cell therapy. These products require different technologies and knowledge in terms of their pharmacological principles, evaluation tests and manufacturing processes compared to conventional small molecule drugs. Chiyoda ensures compliance with regulations and guidelines, while offering innovative solutions anticipating product commercialization.

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