

# CTO/Co-founder (M/F) MedTech Start-Up

**Job Title:** Chief Technology Officer (CTO)

**Location:** Station F, Paris, France

**Type:** Full-Time, Equity-Eligible

## About Cell Tereo

Cell Tereo offers patented cryopreservation technology that shields biological samples against harmful radiation during long-term storage. This includes specialized radiation shielded cryostats and radiation detection services to maintain the integrity and viability of preserved materials. Located at Station F, our technology is built on pioneering research conducted in collaboration with CNRS.

Supported by: SATT Linksum Grenoble Alpes & Station F, Paris.

Website: <https://celltereo.com/>

## Position Overview

We are looking for a Chief Technology Officer (CTO) with strong expertise in radiation physics and/or cryogenic engineering to lead both our product and service development. You will drive the technical strategy, overseeing the design and optimization of radiation-shielded cryostats and implementing specialized radiation measurement services tailored for biobanks. This role demands a strategic thinker with a hands-on approach to building groundbreaking cryogenic and radiation detection solutions.

## Key Responsibilities

- **Service Development:** Develop and launch low level radiation detection and consulting services for biobanks, implementing precision radiation measurement methodologies and customized shielding recommendations.
- **Cryostats Shielding Development:** Lead the design, testing, and enhancement of radiation-shielded cryostats, focusing on neutron and gamma radiation protection for cryogenic storage applications.
- **Radiation Physics Expertise:** : Apply in-depth knowledge in radiation physics to optimize shielding materials and build a comprehensive radiation protection strategy.
- **Measurement & Validation:** Oversee the validation of shielding, cryostat and storage materials from the point of view of natural radioactivity, conduct simulations, and perform on-site radiation measurement to ensure regulatory compliance.
- **Collaboration & Partnerships:** Collaborate with research institutions like CNRS to refine radiation measurement techniques and cryostat shielding, supporting both product and service offerings.
- **Innovation & IP Strategy:** Build and manage the IP portfolio by filing patents for proprietary shielding technology and developing simulation models, contributing to Cell Tereo's unique market advantage.

## CTO/Co-founder (M/F) MedTech Start-Up

- **Team Building:** Recruit and guide an engineering team skilled in radiation measurement, cryogenic technology, and product design.

### Qualifications

- **Academic Background:** Engineer or PhD in nuclear physics, nuclear engineering, or related field, with knowledge in radiation measurement and/or radioprotection.
- **Experience:** 5+ years in a technical role focused on radiation protection, cryogenics, or cryostat development (optional), ideally within a startup or R&D-intensive environment.
- **Skills:** Proficiency in radiation measurement technologies, simulation tools (e.g., MCNP, MATLAB) and CAD design development (optional).
- **Entrepreneurial Mindset:** Ability to adapt to a fast-paced startup environment and willingness to self-fund until the pre-seed round closes.

### Why Join Us?

As CTO, you'll play a pivotal role in shaping a breakthrough technology at the intersection of radiation physics and cryopreservation. At Cell Tereo, you'll drive the development of cutting-edge technology to protect biological samples over time. This is a unique opportunity to join a market-first innovation journey and contribute to the establishment of a forward-thinking MedTech company.

### Compensation:

Founder and corporate officer status, no immediate salary; compensation is contingent upon securing funding that ensures the remuneration of executives. Participation in the initial capital of the start-up.

### Apply

To apply, please send your CV and your motivation letter detailing your relevant experience to [hzaidi@celltereo.com](mailto:hzaidi@celltereo.com).