

ANNEX 2 – FACT SHEET

COLLABORATION BETWEEN ACTRIS AND NUS YONG LOO LIN SCHOOL OF MEDICINE IN THE EDUCATION OF CELL, TISSUE AND GENE THERAPY

In recent years, cell therapies have emerged as highly effective treatments for several cancers, with the promise of more cures to come.

Thus far, these therapies have been costly to develop and manufacture, often requiring advanced technologies, and **healthcare professionals** with the necessary expertise, skill and knowledge to administer such treatments, as well as **biomedical personnel** to manufacture immunotherapeutic products that are in compliance with local and international standards.

To address this, the Advanced Cell Therapy and Research Institute, Singapore (ACTRIS) and the NUS Yong Loo Lin School of Medicine have launched a **professional certification course** on the **Principles and Practice of Cell Therapy, with an emphasis on Chimeric Antigen Receptor T-cells (CAR-T)**.

This course is the **first of its kind in Asia** and will equip healthcare professionals and biomedical graduates hoping to move into this fast-emerging field with the necessary training and knowledge in immuno-therapeutics.

The launch of this course is the first step towards building up this niche expertise and know-how to manufacture and administer cell therapy products for Singapore.

Over 13 weeks, learners will be equipped with the following competencies:

1. Learn the process of CAR-T treatment and the key steps involved
2. Gain a better understanding of the regulation of CAR-T treatments and the implications on the practice of cell therapy
3. Understand the quality control and assurance aspects of manufacturing and the application of cell-based therapeutics to patients
4. Gain insights and acquire knowledge on the manufacturing of CAR-T for cell therapy treatments
5. Know the considerations involved in cell therapy clinical research

The first run of the course will begin on 27 April 2022 and registration will close on 18 April 2022.

For more information, visit <https://medicine.nus.edu.sg/mbio/cet/upcoming.html>.

About the NUS Yong Loo Lin School of Medicine (NUS Medicine)

The NUS Yong Loo Lin School of Medicine is Singapore's first and largest medical school. Our enduring mission centres on nurturing highly competent, values-driven and inspired healthcare professionals to transform the practice of medicine and improve health around the world.

Through a dynamic and future-oriented five-year curriculum that is inter-disciplinary and inter-professional in nature, our students undergo a holistic learning experience that exposes them to multiple facets of healthcare and prepares them to become visionary leaders and compassionate doctors and nurses of tomorrow. Since the School's founding in 1905, more than 12,000 graduates have passed through our doors.

In our pursuit of health for all, our strategic research programmes focus on innovative, cutting-edge biomedical research with collaborators around the world to deliver high impact solutions to benefit human lives.

The School is the oldest institution of higher learning in the National University of Singapore and a founding institutional member of the National University Health System. It is one of the leading medical schools in Asia and ranks among the best in the world (Times Higher Education World University Rankings 2022 by subject and the Quacquarelli Symonds (QS) World University Rankings by subject 2021).

For more information about NUS Medicine, please visit For more information, please visit <https://nusmedicine.nus.edu.sg>