



CELL THERAPY MANUFACTURING: ADVANCING PRACTICES IN ASIA

Saturday, September 5, 2026 • ISCT Asia 2026 Regional Meeting, Singapore

COURSE OVERVIEW

This 1-day interactive training equips lab professionals, including manufacturing technologists, lab managers, senior process development engineers, and lab directors, with the skills to drive efficient, compliant, and scalable cell therapy manufacturing. Through interactive lectures, real-world case studies, and expert panels, participants will gain practical insights into process development, Quality by Design (QbD), GMP manufacturing, risk management, and global/regional regulatory best practices.

Learn to translate academic research into industry-ready cell therapy products, optimize workflows, and navigate complex regulatory landscapes, empowering your team to lead successful, compliant, and innovative cell therapy programs.

WHO IT IS DESIGNED FOR

- Senior laboratory professionals
- Technologists
- Lab managers
- Directors
- Process development associates
- QA/QC personnel.

DELIVERY METHOD

-  In-person interactive course 1-day Training
-  Saturday, September 5, 2026
-  Hosted at:
ISCT ASIA 2026 Regional Meeting
Suntec Singapore Convention & Exhibition Centre
1 Raffles Blvd, Singapore 039593



ISCT is an ASCP Continuing Medical Laboratory Education (CMLE)- approved provider.
Course participants are eligible for **8 CMLE credits**.

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08:00–08:30	Check-In, Registration and Coffee
08:30 – 08:45	Introduction & Overview
08:45 - 09:30	Lecture 1 From Concept to GMP: Overview of Product Development Learning Objectives: • Outline the full journey of a cell therapy product from early-stage product development to GMP manufacturing. • Explain how process development, quality systems, and regulatory strategy align to enable successful technology transfer and scale-up. • Identify risk and mitigation strategies in qualifying suppliers and raw materials for cell therapy manufacturing. Speaker: Sudipto Bari, PhD, MBA <i>Head & Assistant Director</i> <i>Advanced Cell Therapy and Research Institute, National Cancer Centre of Singapore</i> <i>Singapore</i>
09:30 – 10:15	Lecture 2 Why Academic Drug Discovery and Cell Therapy Often Fail - A Gap Analysis By Modality and Development Stage - Learning Objectives: • Why academia is structurally disadvantaged. • Identify gaps in the design, budget, process, documentation, and quality control testing of different modalities. • Outline the practical considerations for the successful transfer of projects. Speaker: Shin Kawamata, MD, PhD <i>Professor</i> <i>Kobe Univ. Dept. of Science, Technology and Innovation</i> <i>Japan</i>
10:15 - 10:30	Break

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10:30 - 11:15	Lecture 3 Quality by Design and Process Understanding: From Target Product Profile to Release Criteria for MSC Manufacturing Learning Objectives: • Apply Quality by Design (QbD) principles to optimize cell therapy manufacturing. • Summarize key product and QC testing requirements for product release. • In-Process Control (to evaluate go/no go for product mfg). Speaker: Chaoyong Koaykul, PhD <i>Lecturer, Faculty of Medicine Chulalongkorn University Deputy Director, Excellence Center for Advanced Therapy Medicinal Products (EC-ATMPs) King Chulalongkorn Memorial Hospital, Thai Red Cross Society Thailand</i>
11:15 - 12:00	Lecture 4 GMP Cell Product Manufacturing Requirements and Risk Management: Global and Regional Considerations Learning Objectives: • Describe GMP PIC/S guidelines and their application to cell and gene therapy manufacturing globally. • Assess manufacturing platform, workflow considerations and key regulatory requirements, and reimbursement requirements across APAC countries. • Hospital-based programs supporting clinical service types of activities. Speaker: Eddie Tan, PhD, CABP <i>Assistant Professor Duke-NUS Medical School Singapore</i>
12:00 – 13:30	Sponsor Lunch
13:30 - 14:15	Lecture 5 IND Document Preparation for Cell Product Manufacturing Learning Objectives: • Describe the components and requirements of an IND (Investigational New Drug) dossier. • Apply regulatory considerations for Point-of-Care (POC) use and compassionate use programs. • Explain the lab technologist's role in supporting documentation, data collection, and compliance throughout the IND process. Speaker: Zlatibor Velickovic, PhD, <i>Adjunct Associate Professor The University of Western Australia Australia</i>

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14:15 - 14:30	Break
14:30 - 15:15	Interactive Case Studies and Discussion 1 Moderator: William Hwang, MBBS, MMed, FRCP, FAMS <i>Senior Consultant, National Cancer Center, SingHealth, Singapore</i>
15:15 - 16:00	Interactive Case Studies and Discussion 2 Moderator: William Hwang, MBBS, MMed, FRCP, FAMS <i>Senior Consultant, National Cancer Center, SingHealth, Singapore</i>
16:00 - 16:30	Wrap Up, Feedback and Quiz
16:30 - 18:00	Networking Reception

Planning Committee:



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