COURSE PROGRAMME / CELL AND GENE THERAPIES

Introduction to the ATMP value chain

PRELIMINARY COURSE PROGRAMME • 2027

Explore how Advanced Therapy Medicinal Products (ATMPs) progress from scientific discovery to clinical application through a combination of flexible online learning and expert led sessions.

ONLINE LEARNING	IN PERSON SYMPOSIUM
Starting 11 January 2027	**17 to 19 February 2027**

Online learning

Beginning on 11 January 2027, participants will build foundational knowledge of ATMPs and the stages of development through recorded lectures, reading materials, case studies and exercises. Topics include cell and gene therapy modalities, stem cell technologies, CRISPR/Cas, Good Manufacturing Practice (GMP) fundamentals and introductory concepts across the ATMP value chain.

In person symposium

The symposium takes place over three afternoons, combining expert lectures, real world case studies and interactive discussions.

Date	Time	Preliminary topics
Wed 17 February	12:00 to 17:00	Introduction to the ATMP value chain; manufacturing and quality control; lentiviral vector and Cas9 production
Thu 18 February	12:00 to 17:00	Cleanroom practices and risk based approaches; clinical translation and trial development; regulatory frameworks; islet transplantation case study
Fri 19 February	12:00 to 17:00	Ethics across the value chain; SCID gene therapy; academic innovation and entrepreneurship; commercialisation, production and distribution

Lunch is provided each day from 12:00. The scientific programme begins at 13:00, with a coffee break scheduled during each afternoon.

Programme details, speakers and timings are preliminary and may be subject to change.

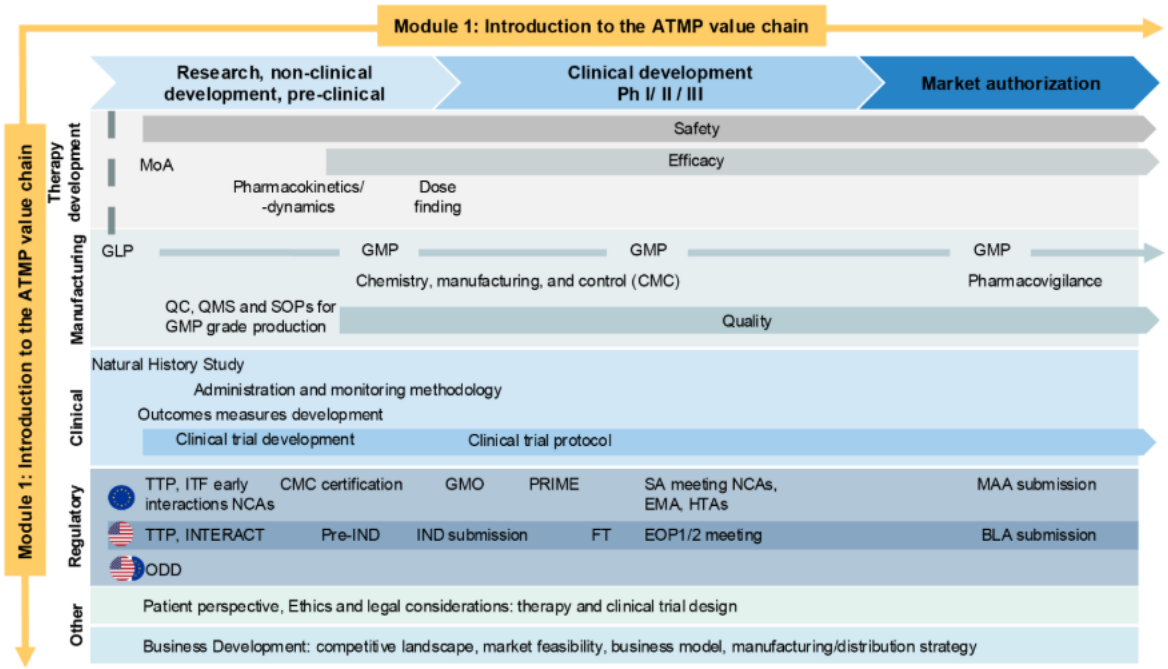
Registration: For current information, visit the official course page and use its registration button.

Course overview

How do innovative cell and gene therapies move from the laboratory to the patient? What scientific, manufacturing, regulatory and clinical challenges must be addressed along the way?

This introductory course provides a comprehensive overview of the ATMP value chain, exploring the key stages involved in translating scientific discoveries into therapies for patients.

Through online self study and interactive sessions with experts from academia, healthcare and industry, participants gain insight into the scientific, technical, regulatory and ethical considerations that shape ATMP development. The course emphasises how disciplines and stakeholders contribute to the development process and how decisions at one stage influence subsequent steps towards clinical application.



ATMP value chain overview (figure reproduced from the supplied preliminary programme).

What will you learn?

By the end of this course, participants will be able to:

- Understand the main stages of the ATMP value chain, from discovery and development to clinical implementation.
- Recognise the key scientific, manufacturing, quality, regulatory and ethical considerations involved in ATMP development.
- Identify the roles and responsibilities of different stakeholders and understand how they interact across the value chain.
- Explore real world examples of cell and gene therapy development, including challenges, lessons learned and translational decisions.
- Better understand their own role within the ATMP ecosystem and communicate across disciplines.