



Presented by
Management Forum

Be In the Know With Pharma 4.0: Digital CMC

23 September 2025

Through this interactive session, participants will explore the forces driving the shift toward digital transformation, understand the challenges Digital CMC addresses, and learn about its operational and regulatory advantages.



Format:
Live online



CPD:
1.5 hours for your records



Certificate of completion

Course overview

The pharmaceutical and biotech industries are under increasing pressure to enhance operational efficiency, meet evolving regulatory requirements, and accelerate time-to-market while maintaining product quality. These demands, coupled with the complexities of global supply chains and the need for seamless collaboration across diverse teams, highlight the critical role of Chemistry, Manufacturing, and Controls (CMC) in ensuring success. However, traditional CMC processes often become bottlenecks, impeding progress due to their reliance on manual workflows, siloed data, and outdated systems.

Digital CMC offers a transformative solution, leveraging digital tools, data analytics, and integrated platforms to reimagine CMC processes. This course introduces participants to the concept of Digital CMC within the broader context of Pharma 4.0, a vision for the future of pharmaceutical development and manufacturing that emphasises agility, automation, and data-driven decision-making.

Through this interactive session, participants will explore the industry forces driving the shift toward digital transformation, understand the specific challenges Digital CMC addresses, and learn about its operational and regulatory advantages. The course will also provide actionable insights through case studies from global pharmaceutical and biotech companies that have successfully implemented Digital CMC solutions, demonstrating their impact on product lifecycle management and regulatory compliance. Whether you're looking to optimise your existing processes or lay the groundwork for a comprehensive digital transformation, this course will equip you with the knowledge and tools to leverage Digital CMC as a cornerstone of Pharma 4.0 success.

Key topics covered in this exciting lunchtime session include:

- What is Pharma 4.0?
- What is Digital CMC?
- What is the relationship between Pharma 4.0 & Digital CMC?
- Recognising the CMC bottleneck
- The need to structure and centralize CMC information
- How to build a CMC source of truth using a 3-step framework
- Leveraging Digital CMC to drive operational and regulatory efficiencies
- Real world use cases Of Digital CMC

Benefits of attending

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

- **Identify** the key challenges driving the need for pharmaceutical and biotechnology organisations to increase their operational efficiency
- **Understand** the role of Digital CMC in addressing traditional bottlenecks in pharmaceutical development and manufacturing
- **Assess** the operational and regulatory benefits of adopting Digital CMC practices
- **Analyse** case studies showcasing the successful implementation of Digital CMC in leading pharmaceutical and biotech organisations
- **Develop** a roadmap for integrating Digital CMC into their own organisational workflows to enhance efficiency and regulatory compliance

Who should attend?

This course is suitable for all levels (scientists, managers, and senior leadership), but ideal for professionals in:

- MS&T
- Process development
- Technical operations
- CMC
- R&D
- Quality assurance
- Manufacturing
- Supply chain professionals.
- Business IT professionals (R&D IT and manufacturing IT for example)
- Professionals working in a digital capacity within any of the aforementioned domains within a pharmaceutical/biotechnology organisation.

Presenter



Lewis Shipp

Lewis Shipp is a published pharmaceutical scientist and a recognised expert in drug development & manufacturing across a range of therapeutic modalities. Lewis currently works at the intersection of science & technology as a Digital CMC Specialist at QbDVision, helping organisations both large & small leverage digital technology to accelerate the delivery of therapies to patients. Additionally, Lewis has contributed to ISPE's Pharma 4.0 Special Interest Group & BioPhorum's Technology Strategy Forum as an SME in the application of digital technology to solve business process challenges within the pharmaceutical industry. Lewis has also given several presentations at internationally recognised conferences on varying topics pertaining to digitally-enabled drug development and manufacturing.

Course date

23 September 2025

Live online

12:00-13:30 **UK (London)** (UTC+01)

Course code 15511

GBP **175** ~~200~~

EUR **245** ~~280~~

USD **280** ~~320~~

Until 16 Sep

How to book



Online:

ipi.academy/3196

Alternatively contact us to book, or if you have any queries:



Email:

info@ipiacademy.com



Phone:

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Discounts

- Booking more than one delegate on any one date qualifies for a **30% discount** on the second and subsequent places.
- Most events qualify for an **early booking discount** prior to 6 weeks before the course date. Be sure to check on our website, where the latest discounts will be shown.

Further information

Fee

The fee includes all meals and refreshments for the duration of the course (for venue-based courses) and a complete set of course materials (provided electronically). If you have any particular requirements, please advise customer services when booking.

Please note

IPI Academy (and our training partners) reserve the right to change the content and timing of the programme, the speakers, the date and venue due to reasons beyond their control. In the unlikely event that the course is cancelled, we will refund the registration fee and disclaim any further liability.

Terms and conditions

The rest of our terms, the event cancellation policy and the terms and conditions are on our website, please visit ipi.academy/content/terms-and-conditions



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IPI
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