Course for Ph.D. students
XLI Cycle (1 Nov 2025 – 31 Oct 2028)

Curriculum PRODOTTI PER L'INDUSTRIA DELLA SALUTE E DEGLI ALIMENTI

Title
Aspects of Modern Manufacturing of Health Products
(1 ECTS)

Prof. Alessio Lodola, Prof. Fabio Sonvico
UNIVERSITY OF PARMA

Course language: **English**

Scheduling:
Alberto Cuzzolin, Chiesi Farmaceutici, Parma
Martedì 31 marzo ore 10:30
An AI journey into Drug Discovery
Aula F, Plesso Farmacia

Chiara Linguadoca, AUSL Parma, Parma
23/04/2026 ore 10:30
Dispositivi medici e Diagnostici in vitro: evoluzione normativa e sfide di integrazione nella pratica clinica
Aula F, Plesso Farmacia

Domenico Palumberi, Digital Operations Leader, GSK, Parma
07/05/2026 ore 10:30
Smart Pharma: Digital, Data and Automation in Drug Sciences
Aula F, Plesso Farmacia

Isabella Pignatone, GSK, Parma
19/05/2026 ore 10.30
Dall'industrializzazione al paziente: come una formulazione diventa un farmaco
Aula F, Plesso Farmacia

To attend the course please contact: **fabio.sonvico@unipr** or **alessio.lodola@unipr.it**

Course description

In recent years pharmaceutical manufacturing is evolving at an unprecedented speed and innovations such as artificial intellingence are promising to further speed up pharmaceutical development and streamline aspect of industrial scale up and production.

The course will be organized in a series of seminars with the intervention of experts from the pharmaceutical and health product industry and give an overview of some pivotal aspects of the 4.0 industrial revolution in relevant aspects of the manufacturing, such as:

- Supply chain
- Digitalization and data integrity
- Artificial intelligence applied to pharmaceutical design and development
- Multidisciplinary collaboration in project management

Evaluation: YES (MCQ Test)