



NIBRT Online Academy (NOA)

Online learning platform for
biopharma manufacturing

noa.nibrt.ie

About

NOA is an online learning platform for the biopharma manufacturing industry created by multi award-winning training facility, the National Institute for Bioprocessing Research and Training (NIBRT).

The platform delivers on demand learning on key aspects of biopharma manufacturing developed by leading industry experts. Users can access the modules online in their own time and study at their own pace. NOA provides a quality, efficient and cost-effective training solution from a recognised global leader in biopharma training.

How NOA Works

- + Users can access NOA via noa.nibrt.ie with individual and group licences available
- + NOA offers a constantly updated library of on-demand modules on key biopharma manufacturing topics such as upstream bioprocessing, aseptic fill finish etc.
- + The interactive modules offer engaging multi-media content including video tutorials from subject matter experts, 3D models, animations and virtual simulations.
- + Content is presented in bite-size chunks of information and lessons are 45-90 minutes in duration.
- + Users can access NOA from a broad range of devices including desktop, tablet or smartphone
- + A certificate of completion is provided to users who successfully complete a module assessment
- + NOA also provides a wide range of free content



Who Should Use the NOA Platform?

NOA is focused on assisting the career development of those involved in biopharma manufacturing and is suitable for training individuals and groups including:

- + Biopharma companies looking to upskill a team or train their staff
- + Suppliers and vendors who wish to gain a better understanding of biopharma manufacturing
- + Educational institutes providing best-in-class training solutions to their students
- + Individuals looking to further their knowledge of the biopharma industry



Why Train with NOA?

- + NIBRT is a world-renowned training facility with many years experience developing high quality training programmes for the bioprocessing industry
- + Group licences are available with significant discounts to provide cost effective training solutions.
- + Modules can be accessed on demand, at any time and across a broad range of platforms.
- + NOA provides key features to maximise learning outcomes including user friendly interactive design, ongoing assessment, accompanying module materials and a certificate of completion.
- + Excellent client testimonials and case studies
- + Modules developed with NIBRT partners including Skillpad, Cytiva, QRMi

Group Training with NOA

NOA's Learning Management System (LMS) can efficiently and seamlessly deploy NOA content to large groups or teams, earning the trust of 800 organisations. Train a team with ease with our user-friendly group administration features including:

- + Significant volume license fee discounts
- + Sign on multiple users with ease, streamlining the onboarding process
- + Manage trainee enrolment independently
- + In-depth trainee progress reporting, ensuring valuable insights and return on investment

NOA by Numbers



NOA Courses

Free Content (F); Webinar (W)

Advanced Therapy Medicinal Products (ATMPs)

- + Introduction to Cell Therapy
- + Introduction to Gene Therapy
- + Introduction to Cell Therapy Manufacturing ^{F,W}
- + Introduction to Gene Therapy Manufacturing ^{F,W}
- + Introduction to Viral Vector Production for Gene Therapy

Downstream Processing

- + Downstream Processing: Centrifugation
- + Downstream Processing: Protein Purification – Chromatography
- + Downstream Processing: Ultrafiltration and Diafiltration

Free content

- + Bioreactor Operations
- + Glycan Characterisation ^{F,W}
- + Good Handwashing Technique
- + Introduction to Cell Therapy Manufacturing ^{F,W}
- + Introduction to Gene Therapy Manufacturing ^{F,W}
- + Introduction to Viruses
- + Vaccine and Immunity
- + Reliable Data Driving Business Resilience ^{F,W}
- + The Quantum Leap to GxP 4.0 ^{F,W}
- + The Quantum Leap to GxP 4.0: E-Validation & Tech Transfer ^{F,W}
- + The Quantum Leap to GxP 4.0: Labs of the Future ^{F,W}
- + Journey to becoming a World Economic Forum (WEF) Global Sustainable Lighthouse
- + ATMP Fluid & Cold Chain Management ^{F,W}

General Overview

- + Biotechnology and Biopharmaceuticals
- + Cell Biology and Recombinant DNA Technology
- + Overview of Biopharmaceutical Manufacturing
- + Trends in Biopharmaceutical Manufacture
- + SUT: The Application of Single-Use Technologies in Biopharmaceutical Manufacturing

Quality Risk Management

- + Module 1: The Fundamentals of Effective Risk Management for Biopharmaceutical Manufacture
- + Module 2: Fundamentals of Risk Management
- + Module 3: Regulatory Requirements for Quality Risk Management in the Biopharmaceutical Industry
- + Module 4: Implementing Effective Risk Control Strategies
- + Module 5: Application of Quality Risk Management Every Day
- + Module 6: Your Role in Preventing and Reducing Product and Patient Risk
- + Assessment and Certification for Fundamentals of Effective Risk Management

Cytiva Catalogue

- + Advanced IEX Chromatography for Bioprocessing
- + Advanced MM Chromatography for Bioprocessing
- + Biomanufacturing Process Capability Requirements
- + Filtration Process Development
- + Introduction to Preparative Protein Chromatography
- + Overview of the Biopharma Industry and Products
- + Overview of Host Cells for Bioprocessing
- + Understanding Filtration in Bioprocessing
- + Understanding Upstream Bioprocessing

Viral Vector Production for Gene Therapy with Cytiva

- + Viral Vector Production for Gene Therapy – Introduction
- + Viral Vector Production for Gene Therapy: Introduction and Upstream
- + Viral Vector Production for Gene Therapy: Introduction and Downstream
- + Viral Vector Production for Gene Therapy: Introduction and Quality Control
- + Viral Vector Production for Gene Therapy: Full Learning Plan

Formulation, Fill Finish and Aseptic Processing

- + Aseptic Processing: Gowning
- + Aseptic Processing: Cleanrooms and Control Technologies
- + Aseptic Processing: Concepts and Controls
- + Aseptic Processing: Contamination Control
- + Aseptic Processing: Decontamination and Sterilization Technologies
- + Clean In Place
- + Cleanrooms and Cleanroom Behaviour
- + Formulation in the Biopharmaceutical Industry
- + Freeze Drying

Process Validation

- + Process Validation 1: Process Design
- + Process Validation 2: Process Qualification and Control

Upstream Processing

- + Bioreactor Operations
- + Cell Culture in Biopharmaceutical Manufacturing
- + Fermentation in Biopharmaceutical Manufacturing
- + Upstream Processing: Bioreactors in Bioprocessing
- + Introduction to Quality Control Testing

Vaccine Manufacturing

- + Introduction to Vaccine Manufacturing
- + Introduction to Viruses ^F
- + Vaccine and Immunity ^F

Coming Soon

- + Lab Skills - The Essentials for Biopharmaceutical Manufacturing
- + Core QC Lab Skills Masterclass
- + Biopharma 4.0
- + Single Use Systems in Biopharma Manufacturing
- + Overview of Biopharmaceutical Manufacturing - Updated!
- + Overview of Upstream Bioprocessing - Updated!
- + Overview of Downstream Processing - Updated!

Testimonials



When it comes to online biopharma manufacturing training, NOA is the clear leader. The courses are developed within NIBRT's state-of-the-art facility, ensuring an authentic learning experience. We trust NOA to deliver high-quality training.

Simon Covey, Training Lead WuXi Biologics



I have been in IT for over 30 years and dedicated to Lab IT for the past 12, and so when we decided to look for world-class training my first thought was NIBRT. NIBRT is unique in its facilities and approach...

Neil Whitworth, Director of Lab Support Services, Zifo R&D Solutions



NIBRT have an extremely impressive teaching methodology, providing a great level of detail on each of their courses. The course provides an easy-to-navigate platform and NIBRT continue to impress with their well-structured, creative, and informative courses.

Paul Branigan, Consultant Validation Engineer, Alexion Pharmaceuticals



The courses are relevant and very instructive, confirming knowledge gained over many years in the Cell Culture industry, and re-focusing my ideas.

Jo Hanley, Global Customer Services training leader, Cytiva

About NIBRT

NIBRT is a global centre of excellence for training and research in bioprocessing. NIBRT is based in Dublin, Ireland with established global partnerships in USA, China, Australia, South Korea and Canada.

NIBRT develops and delivers state-of-the-art training and education programmes for academic institutions and the world's leading biopharma manufacturing companies. We offer a training and research experience not previously possible anywhere in the world from a world-class facility. Our training curriculum is developed by leading subject matter experts and prepares our trainees for real-life work scenarios.

NOA was launched by NIBRT in 2020, to provide a convenient, high quality online learning experience on key aspects of biopharma manufacturing.

How to Enrol

Group or team training can be arranged by contacting **support.noa@nibrt.ie**

Individuals enrol online at **noa.nibrt.ie**

