

Book before 13 March 2020
and SAVE £300/€420

Biotechnology for the Non-Biotechnologist

To book online go to: management-forum.co.uk/1585

Dates and venues

22-24 April 2020
AC by Marriott, Nice

Ref: 10671

30 September – 2 October 2020
The Rembrandt Hotel, London

Ref: 10715

Accommodation

AC by Marriott
59 Promenade des Anglais, Nice 06000, France
Tel: +33 4 93 97 90 90

Email: christel.douyere@marriott.com
Web: www.marriott.co.uk/hotels/travel/nceac-ac-hotel-nice

The Rembrandt Hotel
11 Thurloe Place, London SW7 2RS
Tel: +44 (0)20 7589 8100

Email: reservations_rembrandt@sarova.co.uk
Web: www.sarova-rembrandthotel.com

Programme schedule

Registration and refreshments: 08.30

Day one: 09.00-17.00
Day two: 08.30-17.00
Day three: 08.30-16.30

Three ways to book

 management-forum.co.uk  info@management-forum.co.uk  +44 (0)20 7749 4730

Fees and payment

EARLY BOOKING DISCOUNT Book BEFORE 13 March 2020

£1549.00 + VAT = £1858.80 • €2169.00 + VAT = €2602.80

FULL PRICE Book AFTER 13 March 2020

£1849.00 + VAT = £2218.80 • €2589.00 + VAT = €3106.80

Multiple booking discount for 2nd or subsequent delegates - 15%

£1571.65 + VAT = £1885.98 • €2200.65 + VAT = €2640.78

Payment options

1. Invoice which can be paid by bank transfer or credit/debit card
2. Online through our secure website when registering



Management Forum in-house training

Coming to Management Forum for your in-house training provides an all-inclusive service which gives you access to a wide variety of content, learning platforms and delivery mechanisms as well as your own personal training adviser who will work with you from the initial enquiry through to feedback and follow-up after the programme.

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FEE: The fee includes all meals and refreshments for the duration of the course and a complete set of course materials. If you have any particular requirements, please advise customer services when booking.

PLEASE NOTE: Management Forum Ltd 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, Management Forum will refund the registration fee and disclaim any further liability.



For event cancellation policy and T&Cs see our website

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Includes: Interactive and practical exercises



Biotechnology for the Non-Biotechnologist

Ideal for non-scientists and scientists needing to understand the basic theory, principles, techniques, and potential of biotechnology

22-24 April 2020 Nice

30 September – 2 October 2020 London



Benefits of attending:

- **Gain** an introduction to the fundamental principles of biotechnology
- **Improve** your understanding of the key techniques used by biotechnologists
- **Understand** the key regulatory considerations for biopharmaceuticals
- **Discuss** advances in regulation – biosimilars and advanced therapies
- **Learn how** to identify potential patents, and why and how they must be protected

Chair:

Dr Adekunle Onadipe

Associate Research Fellow, Bioprocess R&D,
Cell Line Development, Pfizer Inc, USA

'The course was comprehensive and the speakers were both subject matter experts and also very good presenters.'

[Linnea Elrington, Silence Therapeutics](#)

With a panel of expert speakers



Why you should attend

This intensive three-day course is ideal for non-scientists and scientists needing to understand the basic theory, principles, techniques and potential of biotechnology.

Delegates will gain an overview of how biotech products are being developed and manufactured, and discuss the scientific and regulatory environment. The interactive programme will cover the latest advances in regulation, including biosimilars and advanced therapies, and address the role and importance of patents within biotech, including what actually can be patented.

Who should attend?

This course is ideal for anyone needing an overview or refresher, particularly those working in:

- Quality assurance
- Regulatory affairs
- Legal and IP
- Business development
- Sales and marketing
- Engineering
- Finance
- Clinical
- Training
- Project management

Chair

Dr Adekunle Onadipe, Associate Research Fellow, Bioprocess R&D, Cell Line Development, Pfizer Inc, USA

Expert faculty

Dr Adrian Haines, Section Head of Process Development Sciences at Novimmune SA, Switzerland

Dr Mark Richardson, Pharmaceutical and Biotech Regulatory Affairs Consultant, UK

Kate Smith, Principal Scientist, Development Services, BioReliance, UK

Alison Sykes, Director Physico-Chem Analytics, Fresenius-Kabi, Switzerland

Dr Philip Webber, Partner, Dehns Patent and Trademark Attorneys, UK

Dr Peter O'Callaghan, Associate Principal Scientist, New Expression Technologies Group, Lonza Biologics plc, UK

'Good general background introduction – managed to make this very technical subject matter understandable to those with little scientific background – or as a refresher to those who may have graduated many years previously.'

Matthew Jordan, Imerys Minerals

'I thought it was a really interesting overview of biotechnology, from the specific scientific processes all the way through to the industry trends.'

Sian Gilfillan, Alumedix

Programme

Day one

- ▶ **Introduction to biotechnology**
 - Historical perspective
 - Diversity of biotechnology products
 - Impact on society
 - Product development overview
- ▶ **Introduction to molecular biology**
 - DNA, RNA, genes, plasmids and vectors
 - Protein synthesis – transcription and translation
- ▶ **Re-expression of proteins**
 - Recombinant DNA techniques
 - Monoclonal antibodies – from mouse to human
 - Transgenic animals and plants
- ▶ **Development of production organisms**
 - Transfection
 - Selection
 - Preservation
- ▶ **Fermentation technology and large-scale production**
 - Types of fermenters
 - Fermentation basics
 - Modes of operation
 - Process development
- ▶ **General discussion session**

Day two

- ▶ **Process optimisation and scale-up**
 - Scale-up strategies
 - Strain improvement
 - Media improvement
 - Process improvement
- ▶ **Analysis of biopharmaceuticals**
 - Biological activity
 - Physicochemical characterisation
 - Purity, impurities and contaminants
- ▶ **Product recovery and purification**
 - Cell harvesting and removal
 - Clarification – intracellular and extracellular proteins
 - Chromatographic techniques
- ▶ **Formulation design of biopharmaceuticals**
 - Factors affecting degradation
 - Choice of excipients
 - Prolonging shelf life
- ▶ **Process economics**
 - Drug development and bioprocess economics
 - Optimising bioprocess economics
 - Manufacturing make or buy
 - Future manufacturing alternatives
- ▶ **General discussion session**

Day three

- ▶ **Patenting biotech inventions**
 - What is a patent?
 - What are the basic criteria for patentability?
 - What can be patented?
 - Can you patent genes, proteins, hybridomas and stem cells?
- ▶ **Patent workshop**
 - How to recognise what is patentable
 - Drafting claims to biotech inventions
 - Maximising protection for an invention
 - Understanding the examination process
 - Enforcing patents
- ▶ **Regulatory considerations of biopharmaceuticals**
 - General principles
 - Product quality and control
 - Pre-clinical safety
- ▶ **Application of regulatory principles**
 - What do regulators want?
 - Specifications
 - Product characterisation
 - Assessment of process change
 - Comparability guidance and strategy
- ▶ **Advances in regulation: biosimilars**
 - Comparability, equivalence and biosimilarity
 - Biosimilars guidance
 - Guidance vs practice – a case study
- ▶ **Advances in regulation: advanced therapies**
 - Gene therapy
 - Cell therapy
 - Tissue-engineered products
- ▶ **General discussion session**

In-house TRAINING

Management Forum in-house events

This seminar is also available in-house. If you have five or more participants who could benefit from this training then we can bring our experts to you and develop the programme to your team's specific needs at a fraction of the cost.

To get a **FREE** consultation and to find out how we can work with you call **Aleksandra**, our in-house training expert, on **+44 (0)20 7749 4730** or email **inhouse@management-forum.co.uk**

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