



BIOTECHNOLOGY FOR THE NON-BIOTECHNOLOGIST



APPLICATION TO REGISTER 22-24 September 2010, Conf. No. M9-6010

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YOU MAY REGISTER BY:-

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Management Forum Ltd, 98-100 Maybury Road, Woking, Surrey GU21 5JL, UK

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E-mail: registrations@management-forum.co.uk

If you have NOT received confirmation seven days after registering, please contact Registration Department.

If you do not want to receive future mailings from Management Forum please contact nick@management-forum.co.uk
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Exhibition spaces and promotional opportunities will be available at this meeting.
For further information please contact Judith Black
(email: judith.black@management-forum.co.uk)

MANAGEMENT FORUM LTD., 98-100 Maybury Road, Woking, Surrey GU21 5JL, UK
Tel: +44 (0)1483 730071 Fax: +44 (0)1483 730008 Website: www.management-forum.co.uk

REGISTRATION INFORMATION

Dates 22-24 September 2010

Times 22 September 2010 Start 09.00 – Finish 17.00
Drinks Reception Start 17.00 – Finish 18.00
23 September 2010 Start 08.30 – Finish 17.00
24 September 2010 Start 08.30 – Finish 16.30

Registration & Coffee
22 September 2010 08.30

Venue
NH Constanza Hotel, Barcelona, Spain
Carrer de Déu i Mata, 99
08029 Barcelona, Spain

Accommodation
A limited number of bedrooms have been reserved at NH Constanza Hotel, Barcelona, Spain
Carrer de Déu i Mata, 99
08029 Barcelona, Spain
Hotel Tel: +34 93 281 15 00
Hotel Fax: +34 93 410 03 35

Reservation email: d.ghossein@nh-hotels.com
All bookings should be made directly with the hotel quoting Management Forum and your credit card number

Conference Fee
GBP £1,680. The fee includes course documentation as well as mid-session refreshments, lunch and Drinks Reception on Day One. Invoice and confirmation will be forwarded to you.
Conference No. M9-6010

Discounted Rates
Available on application for personnel from non-profit making organisations and registered charities.
Group discount available on request.

Cancellation Policy:
Over 14 days prior to the Seminar: Cancellation fee of £75.
7/14 days prior to the Seminar: 50% of the fee. Fewer than 7 days or if no notification received: Registrant liable to pay FULL seminar fee.
NB: Cancellations must be received in writing by registrations@management-forum.co.uk.

In the event of circumstances beyond its control, Management Forum reserves the right to alter the programme, the speakers, the date or the venue.



BIOTECHNOLOGY FOR THE NON-BIOTECHNOLOGIST



The purpose of this training course is to:
Provide Scientists and Non-Scientists with the basic theory to understand Principles, Techniques and the Potentials of Biotechnology

Companies that have previously attended this event:

ACTELLION PHARMACEUTICALS LTD
ALLERGAN LTD
ASTELLAS PHARMA EUROPE BV
ASTRAZENECA AB
AVECIA LTD
BAYER SA
BD MEDICAL PHARMACEUTICAL SYSTEMS
BIOGEN IDEC LTD
BOEHRINGER INGELHEIM PHARMACEUTICALS INC.
CENTOCOR BV
CSL BEHRING
EISAI LTD
F. HOFFMAN-LA ROCHE LTD
FERRIN PHARMACEUTICALS A/S
GENZYME EUROPE BV
GLAXOSMITHKLINE BIOLOGICALS SA
INTERVET PHARMA R&D
JANSSEN PHARMACEUTICA NV
LABORATORIES LET SL
LEEK PHARMACEUTICALS D.D.
MERCK KGaA
MERCK SERONO SpA
MERIAL SAS
MUREX BIOTECH LTD
MYLAN PHARMACEUTICALS SL
NOVARTIS PHARMA SA
NOVO NORDISK AS
NOVOZYMES A/S
PAREXEL INTERNATIONAL LTD
PFIZER GLOBAL R&D
PLIVA CROATIA LTD
SHIRE PHARMACEUTICALS
SYNGENTA CROP PROTECTION
UCB SA

Topics to be covered at this meeting:

Day One

- Introduction to Biotechnology
- Introduction to Molecular Biology
- Re-Expression of Proteins
- Development of Production Organisms
- Fermentation Technology and Large Scale Production

Day Two

- Process Optimisation and Scale-Up
- Analysis of Biopharmaceuticals
- Product Recovery and Purification
- Formulation Design of Biopharmaceuticals
- Process Economics

Day Three

- Patenting of Biotech Inventions
- Patent Workshop
- Regulatory Considerations
- Regulatory Applications and Consequences, Comparability and Equivalence
- Advances in Regulation: Biosimilars
- Current and Future Developments

Chairman:

Dr Adekunle Onadipe

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

Please see inside for full panel of speakers

A highly successful training course!

For personnel new to working with Biotechnology products

Anyone requiring an overview



22-24 September 2010
NH Constanza Hotel, Barcelona, Spain

INTRODUCTION

The purpose of this training course is to provide Scientists and Non-Scientists with the basic theory to understand principles, techniques and the potentials of Biotechnology.

Biotechnology combines disciplines such as Molecular Biology, Biochemistry, Chemistry, Microbiology, Chemical Engineering and Computing. This rapidly advancing science offers new and exciting opportunities to mankind, especially in the fight against disease.

WHO SHOULD ATTEND

This training course will be of interest to Non-Biotechnologists and personnel new to working with biotechnology products and anyone requiring an overview of the requirements, development and regulation of Biotechnology products. It will be particularly useful to personnel in:

- Quality Control and Quality Assurance
- Registration and Regulatory Affairs
- Legal and Patents
- Finance
- Accounts and Investment
- Anyone who needs to gain a broad understanding of Biotechnology
- Information Technology
- Engineering
- Sales and Marketing
- Health and Safety
- Risk Management

RECENT ATTENDEES

- Qualified Person Executive
- Business Development Manager
- Process and Biosafety Consultant
- Risk Management Officer
- Operations Director
- Finance Director
- Global QA Manager
- Patent Attorney
- Head of Patents and Trademarks
- Head Development and Strategic Planning
- Outsourcing Quality
- Financial Controller
- IP Manager
- Process Engineer
- Pharmacist
- Director Regulatory Affairs
- Regulatory Project Manager
- Senior Materials Manager
- Training Manager
- Director CMC
- Scientific Administrator

CHAIRMAN

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

SPEAKERS

Dr Mark Richardson Pharmaceutical & Biotech Regulatory Affairs Consultant, UK

Kate Smith Head of Manufacturing, BioReliance, UK

Alison Sykes Stability and Bioanalytics Manager, Analytical Development, Lonza Biologics plc, UK

Dr Philip Webber Frank B. Dehn & Co., Patent and Trade Mark Attorneys, London, UK

Dr Robert Young Principle Scientist, Cell Culture Process Development, Lonza Biologics plc., UK

REGISTER NOW

Reserve your place and register now:

To register for this course:

www.management-forum.co.uk

Tel: + 44 (0) 1483 730071

Fax: + 44 (0) 1483 730008

Any questions email: ellen.walker@management-forum.co.uk

A Certificate of Attendance for Professional Development will be given to each participant who completes the course.

Day One

22 September 2010

- 09.00 ▶ **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
- 17.00 ▶ **General Discussion and Delegate Participation**
- 17.00- 18.00 **Drinks Reception in the Hotel for Delegates and Speakers**

Day Two

23 September 2010

- 08.30 ▶ **Process Optimisation and Scale-Up**
- Scale-up strategies
 - Strain improvement
 - Media improvement
 - Process improvement
- ▶ **Analysis of Biopharmaceuticals**
- Biology 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 and Delegate Participation**
- 17.00 ▶ **End of Day Two**

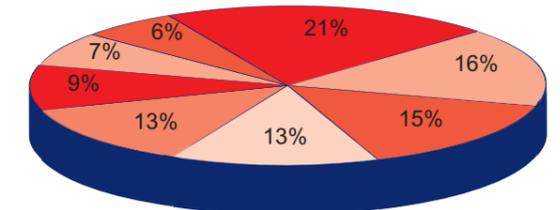
A selection of Companies that have attended this event in the past:

ACTELLION PHARMACEUTICALS LTD
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PAREXEL INTERNATIONAL LTD
PFIZER GLOBAL R&D
PLIVA CROATIA LTD
SHIRE PHARMACEUTICALS
SYNGENTA CROP PROTECTION
UCB SA

Senior Management & Administration 21%
Regulatory Services 16%
Research & Development 15%
QC/QA/Quality 13%
Engineering & Production 13%
Legal & Patent 9%
Project Management 7%
Business Dev., Finance, Sales 6%



Day Three

24 September 2010

- 08.30 ▶ **Patenting of Biotech Inventions**
- What is a patent
 - What are basic criteria for patentability
 - What can be patented
 - Can you patent genes, proteins, hybridomas, 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**
- Genetic characterisation
 - Testing for adventitious agents
 - Process validation
 - Raw material testing
 - Cell bank testing
- ▶ **Regulatory Applications and Consequences, Comparability and Equivalence**
- Consequences of Manufacturing Process Change
 - Assessment of Process Change
 - Comparability or Equivalence
 - Comparability Strategy
 - Biotech Generics
- ▶ **Advances in Regulation: Biosimilars**
- ▶ **Current and Future Developments**
- Medicine
 - Ethics and biotechnology
- ▶ **General Discussion and Delegate Participation**
- 16.30 ▶ **End of Seminar**