BIOTECHNOLOGY FOR THE NON-BIOTECHNOLOGIST

MANAGEMENT FORUM

Application to Register

6-8 April 2011, Conf. No. B4-5011

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Title..... First name.....
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To Register

+44 (0) 1483 730008

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

www.management-forum.co.uk

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

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

Registration Information

Dates 6-8 April 2011

Times	**6 April 2011**	**Start 09.00 – Finish 17.00**
	Drinks Reception	**Start 17.00 – Finish 18.00**
	7 April 2011	**Start 08.30 – Finish 17.00**
	8 April 2011	**Start 08.30 – Finish 16.30**

Registration & Coffee
6 April 2011 **08.30**

Venue
Radisson Blu Hotel, 223 Promenade des Anglais, 06200 Nice, France

Accommodation
A limited number of bedrooms have been reserved at Radisson Blu Hotel, 223 Promenade des Anglais, 06200 Nice, France
Hotel Tel: +33 4 97 17 70 72
Hotel Fax: +33 4 97 17 70 75
Email: fx.raboulin@radissonsas.com
All bookings should be made directly with the hotel quoting Management Forum and your credit card number.

Conference Fee
€1,950 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. B4-5011

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.

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

11 SUCCESSFUL YEARS!

BIOTECHNOLOGY FOR THE NON-BIOTECHNOLOGIST

MANAGEMENT FORUM

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

Previously attended by:

ASTRAZENECA AB
BAYER SA
BIOGEN IDEC LTD
BOEHRINGER INGELHEIM PHARMACEUTICALS INC.
GENZYME EUROPE BV
GLAXOSMITHKLINE BIOLOGICALS SA
HOFFMAN-LA-ROCHE
MERCK SERONO SpA
NOVARTIS PHARMA SA
NOVOZYMES A/S
PAREXEL INTERNATIONAL LTD
PFIZER GLOBAL R&D
SHIRE PHARMACEUTICALS
SYNGENTA CROP PROTECTION
UCB SA

Topics to be covered at this seminar:

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

CPD CERTIFIED
The CPD Certification Service

6-8 April 2011
Radisson Blu Hotel, Nice, France

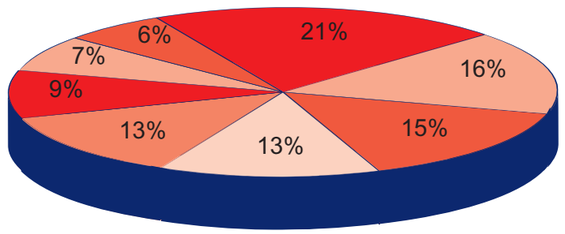
WHY SHOULD YOU ATTEND?

- Gain an introduction to the fundamental principles of biotechnology
- Improve your understanding of the key techniques used by biotechnologists
- Understand the importance of meeting regulatory requirements and hear about the advances being made
- Learn to recognise potential patents, and why and how they must be protected
- Share knowledge and experiences with fellow attendees from across Europe

WHO SHOULD ATTEND?

Personnel from:

- Quality Assurance
- Regulatory Affairs
- Legal and IP
- Business Development
- Sales and Marketing
- Engineering
- Finance
- Training
- Administration
- Management



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

**Based on delegate attendance 2003-2010*

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 Principal Scientist, BioReliance, UK

Alison Sykes Stability and Formulation Manager, Analytical Services, Lonza Biologics plc, UK

Dr Philip Webber Dehns, Patent and Trade Mark Attorneys, UK

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

REGISTRATION

You may register by:

Visiting – www.management-forum.co.uk
Tel: – + 44 (0) 1483 730071
Fax: – + 44 (0) 1483 730008

Please contact sarah.packham@management-forum.co.uk with any questions.

Day One — 6 April 2011

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

General Discussion

17.00 **Drinks Reception**

18.00 **End of Day One**

Day Two — 7 April 2011

08.30 **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

17.00 **End of Day Two**

Day Three — 8 April 2011

08.30 **Patenting of Biotech Inventions**
- What is a patent?
- What are the 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

16.30 **End of Seminar**

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

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