



The 20th International Conference and Exhibition

# Organic Process Research & Development

## The Leading Process Chemistry Conference

Plus an Optional Half Day Short Course on  
**Scale-Up - What Goes Wrong?**

The Corinthia Hotel, Lisbon, Portugal  
9 - 11 September 2009

### Who Should Attend?

- Process Research & Development Chemists
- Chemical Engineers in Industry
- Heads of Departments & Team Leaders

### Scientific Update Conferences 2009

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## Registration includes:

- Attendance at all the sessions
- Set of colour conference proceedings
- Lunch & refreshments daily
- Access to the exhibition
- Place at the Welcome Reception and Gala Evening
- FREE Poster Board

**EARLY BIRD  
SAVE £200!**

Simply register by  
30 April 2009

## About the Organisers

Scientific Update is the leading international provider of conferences, training courses and consultancy services to the worldwide scientific community.

For twenty years, Scientific Update has been delivering focused continuing education for chemists and chemical engineers in the pharmaceutical, fine chemical, agrochemical, flavour and fragrance, and process chemistry markets.

Scientific Update is the acknowledged leaders in its field.

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# Organic Process Research & Development

The Corinthia Hotel, Lisbon, Portugal

9 - 11 September 2009



## Do you want to improve efficiency and innovation in your synthetic route design, development and optimisation?

The efficient conversion of a chemical process into a process for manufacture on tonnage scale has always been of importance in the chemical and pharmaceutical industries. However, in the current economic and regulatory climate, it has become increasingly vital and challenging to do so efficiently. Indeed, it has never been so important to keep up to date with the latest developments in this dynamic field.

At our Organic Process Research & Development Conference, you will hear detailed presentations and case studies from top international chemists. They will discuss the latest issues relating to synthetic route design, development and optimisation, and the scale-up of these processes in the pharmaceutical, fine chemical and allied fields.

You will enjoy plenty of opportunities to network with speakers and other delegates. Together, you can explore the different strategies and tactics evolving to meet today's challenges.

## Book your place today at the premier OPRD conference.

### How will you benefit from attending OPRD?

- **Benefit** by learning from 17 speakers who will present important detailed case studies.
- **Save time.** Scientific Update always invites experts in their fields who can impart important information to you right now.
- **Learn** how industry strategies are evolving to meet the challenges of today's market.
- **Hear** how your peers are developing solutions to common problems.
- **Bring yourself up to date** on current developments and future trends.
- **Meet and network** with the key people in the chemical and pharmaceutical industries.

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## Hear from an international panel of speakers, including:

**Dr Eike Bergner**,  
CU Chemie Uetikon GmbH, Germany  
**Generic API Development in a Challenging Environment**

**Dr Kolbot By**, ARYx Therapeutics, USA  
**Process Research and Development of 5-HT4 Receptor Agonist, ATI-7505**

**Dr Olivier Dirat**, Pfizer Global R&D, UK  
**The Lactol Route to Fesoterodine: Research and Development of a Greener Manufacturing Process**

**Dr Andras Horvath**,  
Johnson & Johnson PR&D, Belgium  
**Macrocyclisation on Scale - a Case Study for a 14-Membered Ring**

**Dr Stefan Koenig**, Sepracor Inc., USA  
**Unlocking Catalytic Asymmetric Hydrogenation**

**Dr Karl Matos**, BASF Corporation, USA  
**Borane and Organylzinc Compounds in Process Chemistry: Excellent Reagents or Selective Reactions**

**Dr George Moniz**, Eisai Research Institute, USA  
**Development of an Asymmetric Alkylation-Based Chemical Process**

**Dr Richard J Pariza**,  
Cedarburg Pharmaceuticals Inc., USA  
**Vitamin D Analogs: New Chemistry on an Old Motif**

**Dr Jeremy Parker**, AstraZeneca, UK  
**Route Selection Using Kepner-Tregoe Decision Analysis**

**Dr Yves Robin**, Isochem, France  
**Production Process of  $\alpha$ -Amino Acid N-Carboxyanhydrides: Batch Process Development, Scale-Up Concerns and Industrial Solution**

**Dr Graham Ruecroft**, Prosonix Ltd, UK  
**The Pharmaceutical Process Ultrasonic Toolkit – Molecules, Crystals and Particles**

**Dr Reinhard H Sommerlade**,  
Ciba, Inc., Switzerland  
**The IRGACURE 819 Sodium Process – the Ecological, Safe and Economic Manufacture of a Bis-(acyl) Phosphine**

**Dr Rajappa Vaidyanathan**, Pfizer, USA  
**Development of Robust, Environmentally Responsible Chemical Processes – a Case Study**

**Dr Matthias Weber**,  
DSM Pharma Chemicals GmbH, Germany  
**Scale-Up of a Cathepsin K Inhibitor (MK-1256) that is Efficacious in a Potential Treatment for Osteoporosis**

**Dr Johan Wennerberg**,  
DuPont Chemoswed, Sweden  
**Anthranilic Acids: Building Blocks for Pharmaceuticals and New Methods for their Synthesis**

## Optional Short Course

### Scale-Up: What Goes Wrong?

10 September 14:00 - 17:30

Tutor: **Dr Will Watson**  
Scientific Update

This short course will look at the reasons why reactions don't always scale-up as expected, using real-life examples from industry. Some theory on mixing and related topics (such as heat transfer) will be covered, along with useful tips on which types of reactions are likely to cause problems. The use of simple laboratory scale experiments to anticipate scale-up problems will be included. Case studies will also be used to show how companies have avoided or corrected scale-up problems.

## Timings

### Wednesday 9 September

8.00 - 8.55 Registration  
8.55 - 17.45 Conference in session  
17.45 - 19.30 Welcome Reception

### Thursday 10 September

8.55 - 12.45 Conference in session  
14.00 - 17.30 Hovione Site Visit /  
Optional Short Course  
19.00 - 22.30 Gala Dinner

### Friday 11 September

8.25 - 12.45 Conference in session  
12.45 Conference ends

For complete programme information, visit our website.

[www.scientificupdate.co.uk](http://www.scientificupdate.co.uk)

## Venue



### **Corinthia Hotel**

Av. Columbano Bordalo  
Pinheiro, nº 105  
Lisbon 1099-031  
Portugal  
Tel: +351 21 7236363  
Fax: +351 21 7236364

[www.corinthialisboahotel.com](http://www.corinthialisboahotel.com)

A limited number of rooms have been reserved at the hotel at the special conference rate of €195 per room (single occupancy) per night. This rate includes a full buffet breakfast and all applicable taxes.

## **A Scientific Update Exhibition provides the perfect arena for you to showcase your products**

Our exhibitions have attracted over 18,000 companies and decision-makers world-wide, generating thousands of new sales leads and valuable new business, all contributing to a successful international scientific community.

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## Optional Hovione Site Visit

10 September 14.00 - 17.30

Hovione are celebrating their 50th Anniversary this year and would like to invite all delegates to visit their site in Lisbon.

This site visit is an alternative to the optional short course "Scale-Up: What Goes Wrong?"



Hovione is an international group specializing in the development and compliant manufacture of active pharmaceutical ingredients, serving exclusively the pharmaceutical industry. With FDA inspected plants in Europe, the Far East and the US, Hovione is committed to the highest levels of service and quality.

With a 50-year track record, Hovione offers advanced technologies as well as APIs for all drug delivery systems, from oral to injectable and from inhalation to topical applications. Specializing in complex chemistry and in particle engineering, Hovione offers all services related to the development, manufacture and pre-formulation of both new chemical entities (NCEs) and existing APIs for off-patent products.

Our aim is to do well what is difficult, to give our customers what they cannot find elsewhere.

For further information please visit [www.hovione.com](http://www.hovione.com)

### Terms and Conditions

Please complete and return the form overleaf with full payment details. Cancellation must be sent in writing. If notice of a cancellation is received outside of thirty days of the event there will be a £300 cancellation fee. If notice is received less than thirty days before the event, all fees are forfeited. Substitutions are permitted at any time. Scientific Update reserves the right to alter the arrangements as described due to unforeseen circumstances. For the full terms and conditions, please see our website.

# Organic Process Research & Development

9 - 11 September 2009

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Company \_\_\_\_\_

Title (PROF/DR/MR/MRS/MISS) \_\_\_\_\_

First Name \_\_\_\_\_

Surname \_\_\_\_\_

Internal Post Code (IF APPLICABLE) \_\_\_\_\_

Department \_\_\_\_\_

Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Post Code/Zip Code \_\_\_\_\_

Country \_\_\_\_\_

Telephone \_\_\_\_\_

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Special Diet \_\_\_\_\_

I would like to receive the FREE bi-monthly e-Newsletter 'What's New in Process Chemistry'

## Delegate Fees per person

Early Bird Fee £1195.00  
(Register by 30 April 2009).

Standard Fee £1395.00

Academic Fee £450.00

I would like to attend the optional short course - (Course Fee £250)

## Payment

Please invoice my company

I would like to charge the fee(s) to my credit card.



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Date \_\_\_\_\_

## Exhibitor Fees

Exhibitor Package £2000.00  
(includes one exhibitor attending).

Additional exhibitors at £500 per person  
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## Presentation

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