



The 19th 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 Hyatt Pier Sixty-Six Hotel, Fort Lauderdale, Florida  
27 - 30 April 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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- Attendance at all the sessions
- Set of Colour Conference Proceedings
- Lunch & refreshments daily
- Access to the exhibition
- Place at the Welcome and Networking Receptions
- FREE Poster Board

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Simply register by  
31 January 2009

## About the Organisers

Scientific Update are the leading international providers 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 chemicals, agrochemicals, flavour and fragrance, and process chemistry markets and are the acknowledged leaders in the field.

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# Organic Process Research & Development

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## The Leading Process Chemistry Conference

The conversion of a chemical process into a process for manufacture on tonnage scale is of vital importance in the Chemical and Pharmaceutical industries, both from an economic and often regulatory viewpoint. This was recognised by the American Chemical Society and the Royal Society of Chemistry with the launch of their publication Organic Process Research and Development in January 1997, edited by Trevor Laird of Scientific Update.

The nineteenth International Conference on Organic Process Research and Development will bring together chemists and engineers from all parts of the world to discuss issues related to synthetic route design, development and optimisation, and the scale-up of these processes in the pharmaceutical, fine chemical and allied fields.

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

## How will you benefit from attending OPRD?

- **Benefit** by learning from 16 speakers who will present important detailed case studies
- **Learn** how to design for efficiency and optimise your development objectives
- **Access** how industry strategies are evolving to meet the challenges of today's market
- **Hear** how your peers are developing solutions to common problems
- **Gather important information** on technical development and equipment
- **Bring yourself up to date** on current developments and future trends in organic process research and development
- **Meet and network** with the key people working in the chemical and pharmaceutical industries
- **Save time.** Scientific Update always invites experts in their fields who can impart important information to you right now

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

**Dr Alain Chénéde**, Simafex, France  
Hypervalent Iodine Reagents at Industrial Scale

**Dr Vladimir Grushin**, DuPont de Nemours & Co, USA  
Organometallic Fluorine Chemistry: Studies Toward Aromatic Fluorination

**Dr Mike Kopach**, Eli Lilly & Co., USA  
Practical Synthesis of a Chiral 2-Morpholine Investigational New Drug Candidate at Eli Lilly & Co.: A Tale of Three Grignards

**Dr John Leonard**, AstraZeneca Pharmaceuticals, UK  
Challenges of Design and Development: A Viable Manufacturing Route to AZD6244

**Dr Clive Mason**, Pfizer Global R&D, UK  
"Fat Dog", Slim Job: the Development of the Commercial API  
Synthesis of Sientrol® (Dirlotapide)

**Dr Alexander Murso**, Chemetall GmbH, Germany  
New Tools in Organometallic Chemistry

**Dr Dan J Ostgard**, Evonik Degussa GmbH, Germany  
The Selective Hydrogenation of Nitriles to Primary Amines via  
Ni Ensemble Control

**Dr Franck Raepel**, MethylGene Inc., Canada  
A Practical Synthesis of N-(2-aminophenyl)-4-((4-(pyridine-3-yl)  
pyrimidin-2-ylamino)methyl)benzamide

**Dr Xiaohong Sheng**, Ricerca Biosciences, USA  
The Roles of Process Chemistry in Salt Screening

**Dr Surendra Singh**, Sepracor Inc., USA  
Development and Scale-Up of a Catalytic Asymmetric  
Hydrogenation-based Process

**Dr Laszlo Urge**, ThalesNano Inc., Hungary  
Comparative Studies of Process Optimisation and Scale-Up in  
Continuous vs Batch

**Dr John Wilson**, Phosponics Ltd, UK  
Applications of Functionalised Inorganic Materials

For complete programme information, visit our website.

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

## Optional Short Course

### Scale-Up: What Goes Wrong?

29 April from 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.

### 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.

### Timings

#### Monday 27 April

19.15-19.30 Registration

19.30-21.00 Welcome Reception  
sponsored by Evonik  
Industries

#### Tuesday 28 April

8.55 -17.45 Conference in session

17.45-19.30 Networking Reception  
sponsored by the American  
Chemical Society

#### Wednesday 29 April

8.55-12.45 Conference in session

14.00-17.30 Optional Short Course

#### Thursday 30 April

8.55-12.45 Conference in session

12.45 Conference ends

## Venue



### **Hyatt Regency Pier 66**

2301 S.E. 17th Street  
Fort Lauderdale, FL

33316, USA

Tel: +1 954 525 6666

Fax: +1 954 728 3

[www.pier66.hyatt.com](http://www.pier66.hyatt.com)

A limited number of rooms have been reserved at the hotel for the special rate of \$229 per room per night, plus applicable taxes.

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## Chris Schmid Memorial Session

Sponsored by the American Chemical Society.

There will be a special memorial session on Day 1 of talks dedicated to Chris Schmid. Chris, who worked for Lilly and was also the Assistant Editor of the ACS journal 'Organic Process Research and Development', sadly died of cancer late last year and will be greatly missed by the Scientific community. Presentations in this session include:

**Dr Timothy Norris**, Pfizer Global R&D, USA  
Development of Reactions Used to Make Key Improvements in API Synthesis

**Dr Yogesh Sanghvi**, Rasayan Inc., USA  
Biocatalysis: Green Processes for the Preparation of Protected Nucleosides

**Dr Chris Senanayake**,  
Boehringer Ingelheim Pharmaceuticals, USA  
Practical Synthetic Methodologies for Efficient Drug Development

**Dr John Werner**, Lilly Research Laboratories, USA  
The Role of New Technologies in Defining a Manufacturing Process for PPAR $\alpha$  Agonist LY518674



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# Organic Process Research & Development

27 - 30 April 2009

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## Delegate Fees per person

Early Bird Fee £995.00  
(Register by 31 January 2009).

Standard Fee £1195.00

Academic Fee £450.00

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

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## Presentation

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