



The 21st International Conference and Exhibition

Organic Process Research & Development

The Leading Process Chemistry Conference

Plus an Optional Half Day Short Course on
Grignard Reactions in Process Development

The Sheraton Hotel and Marina, San Diego
California, USA
20 - 22 January 2010

Who Should Attend?

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

Scientific Update Conferences 2010

telephone +44 (0)1435 873062 fax +44 (0)1435 872734
www.scientificupdate.co.uk sciup@scientificupdate.co.uk



“An excellent conference, full of interesting chemistry from a wide variety of different organisations and perspectives.”

Pfizer, UK

Reception Sponsor



Media Sponsors



Registration includes:

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

But don't just take our word for it! Here's what some of last year's delegates at this conference said:

"I found the conference technically invigorating and discussion with a diverse, international group of delegates most enjoyable."

Dow Chemical Co., USA

"The conference is well done, not only in the quality of topics and speakers, but also in allowing time to interact with colleagues in the industry."

Vertellus Specialties, USA

"Great conference! Excellent opportunity to learn about some of the latest process research and development areas."

Apotex Pharmachem Inc.,
Canada

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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.

At our Organic Process Research & Development Conference, you will hear detailed presentations and case studies from top international chemists. Our hand-picked programme of speakers has been put together specifically for an industrial audience. They will discuss the latest issues relating to synthetic route design, development and optimisation in the pharmaceutical, fine chemical and allied fields. Unlike other conferences, practically all our speakers are experts from industry, which means the ideas and information you take home will be directly applicable to your own work.

The smaller numbers at our conferences create a more intimate atmosphere. You will enjoy plenty of opportunities to meet and network with speakers and fellow attendees during the reception, sit-down lunches and extended coffee breaks in a relaxed and informal environment. Together, you can explore the different strategies and tactics evolving to meet today's challenges.

Book your place today at the premier Process R&D conference.

How will you benefit from attending?

- **Invest in yourself:** keeping up to date on current developments and future trends could mean greater job security.
- **Learn** from a wide range of industrial case studies given by hand-picked industrial speakers.
- **Take home relevant ideas and information** that are directly applicable to your own work, with the full proceedings in colour and a CD of the talks.
- **Save time.** Our intensive, commercial-free programme means less time away from work.
- **Meet and** network with the key people in the industry in a relaxed and informal atmosphere.



**EARLY BIRD
SAVE £200!**

Simply register by
30 September 2009

sciup@scientificupdate.co.uk t +44 (0)1435 873062

Hear from an international panel of invited speakers, including:

Dr Neil Barnwell, AstraZeneca, UK
A Quaternary Amino Acid Derivative –
Route Selection and Scale-Up Case Study

Dr Nandkumar Bhongle, Sepracor, Inc., USA
An Efficient Large-Scale Process for the Triple Uptake
Inhibitor, SEP-228425

Dr Dan M Bowles, Pfizer Global R&D, USA
Process Research and Development: Towards a
Promising HMG-CoA Reductase Inhibitor

Dr Sanjay Chemburkar, Abbott Laboratories, USA
Bugs Make it, we Break it and Remake it! – Direct
Extraction of K252a from the Fermentation Broth

Dr Bob Dugger, Pfizer Global R&D, USA
Process Development of the DPP IV Inhibitor
PF-734200

Dr Mark Fielding
AstraZeneca Pharmaceuticals, UK
A Novel Regioselective Diels-Alder Based Approach
to Substituted Pyridones for Manufacture of
AZD8330

Dr Mark Ford, Bayer CropScience AG, Germany
Agrochemical Process Research: The Search
Continues ...

Dr Dominique Hebrault, METTLER TOLEDO, USA
The Value of Process Automation and Real-Time
Measurements to Improve Operational Efficiency
from Laboratory to Full-Scale Production

For complete programme information, visit our website.

www.scientificupdate.co.uk

Dr Masaya Ikunaka, Nagase & Co Ltd., Japan
Scalable Synthesis of Chiral α -Amino Acids by
Asymmetric Phase Transfer Catalysis

Dr Nicholas E Leadbeater
University of Connecticut, USA
From Millimoles to Multimoles using Microwave
Heating: an Approach to Direct Scale-Up of Medicinal
Chemistry Protocols using a Novel Batch Reactor

Dr Andreas Leitner, BASF Corporation, USA
Organozinc Compounds in Process Chemistry –
Paradigm Shift in Cross Coupling Technology?

Dr Stuart Levy, PPD Dermatology, USA
Development of a Scaleable Asymmetric Synthesis
of a Chiral Tetraazamacrocyclic for Application in
Targeted MRI

Dr Bruce Z Lu
Boehringer Ingelheim Pharmaceuticals, Inc., USA
Practical Regioselective Approaches to Complex
2,3-Disubstituted Indoles

Dr Juergen Roos
Evonik Degussa GmbH, Germany
Title to be confirmed

Dr Jason Tedrow, Amgen Inc., USA
A Practical Synthesis of a BACE Clinical Candidate

Optional Short Course Grignard Reactions in Process Development

Thursday 21 January
14:00 - 17:00

Tutor: **Dr Will Watson**
Scientific Update

This half-day course will include a short introduction, practical considerations on the formation of Grignard reagents, solvent effects, safety issues, and recent developments in the field of Grignard chemistry.

Timings

Wednesday 20 January
8.00 - 8.55 Registration
8.55 - 17.45 Conference in session
17.45 - 19.30 Welcome Reception
Sponsored by Evonik Industries

Thursday 21 January
8.55 - 12.45 Conference in session
14.00 - 17.00 Optional Short Course

Friday 22 January
8.55 - 12.45 Conference in session
12.45 Conference ends

Venue



Sheraton San Diego Hotel & Marina

1380 Harbor Island Drive
San Diego, CA 92101 USA
Tel: +1 619 692 2200
Fax: +1 619 692 2363

www.sheraton.com/sandiegomarina

A limited number of rooms have been reserved at the hotel at the special conference rate of \$219 (single / double occupancy) plus taxes per night.

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 leader in its field.

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.



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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 September 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 pay in US\$

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Exhibitor Fees

Exhibitor Package £2000.00
 (includes one exhibitor attending).

Additional exhibitors at £500 per person
 Please enter the number of places required.

Presentation

I would like to present a poster

Please copy this form for additional delegates.

Group discounts are available. Please call us for details.

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