



SCIENTIFIC UPDATE

We've got chemistry

ORGANIC SYNTHESIS: A Toolkit for the Industrial Chemist 16-18 MAY 2018

Bologna, Italy
NH Bologna de la Gare

"I do consider this
course is helpful, the
coaches are motivated
and inspiring."

Bayer



A 3 day course given by
Dr Will Watson

PROFESSIONAL DEVELOPMENT TRAINING

Scientific Update provides training courses for industrial chemists and chemical engineers in chemical development and scale-up and many other specialist topics in organic and process chemistry. Our short intensive training courses enable scientists to learn about highly relevant topics, to broaden their knowledge and to keep abreast of new science, new technology and new techniques.

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ORGANIC SYNTHESIS: A Toolkit for the Industrial Chemist

A 3 day course given by Dr Will Watson

16-18 May 2018 Bologna, Italy, NH Bologna de la Gare

Multiple attendees discounts
UP TO 15% available

INTRODUCTION

Organic synthesis is a discipline which has been in existence for more than a century. It is a major facilitator for the chemical industry and a significant contributor to society, applications being found in the pharmaceuticals, fine chemicals, agrochemicals, speciality chemicals, electronics and other related industries. As we all appreciate, the field of organic chemistry continues to thrive as a result of more detailed understanding and new innovations constantly being published. There is an ever increasing range of synthetic techniques and technologies, available to the organic chemist which can be somewhat bewildering when given the task of designing appropriate routes to target molecules.

This three-day course, written and presented by highly experienced chemists from the pharmaceutical and fine chemical industry, provides a series of overview lectures of important established chemistry as well as perspectives on newer, up and coming chemistry. The course content is selected with a view to serve as a reminder for chemists of some of the key aspects of well established chemistry, including examples of recent applications, to provide greater understanding of both new and familiar chemistry and also aims to inspire chemists to innovate.

The concepts are illustrated with an abundance of industrial and academic case studies from literature, conferences and private communications. The lectures are interspersed with interactive problems sessions designed to underline learning opportunities from the course content and encourage participants to solve problems by applying first principles.

COURSE OUTLINE

- > Multi Component Reactions
 - > Selected Aspects of Oxidation
 - > Other Reduction Methods (hydride reductions)
 - > Catalytic Hydrogenation
 - > Industrially Useful C-C Bond Forming Reactions
 - > Transition Metal Catalysed Cross-Coupling Reactions
 - > Metathesis
 - > Phase Transfer Catalysis
 - > Resolution Methods
 - > Biocatalysis
 - > Hazardous Chemical Reactions
 - > Case Studies in Industrial Synthesis
- Plus tutorials**

By the end of the course...

Participants will have learnt about developments over the last 5 years in the various reaction types discussed during the course. In addition, in many cases leading references are provided giving practical methods as a starting point for developing the desired reaction.

"I especially liked the well-arranged and committed given talks of this tour de force through organic chemistry. An additional advantage was the very familiar atmosphere."

Merck

VENUE

NH Bologna De La Gare
Piazza XX Settembre 2
40121 Bologna
Italy

[www.nh-hotels.co.uk/
bolognadelagare](http://www.nh-hotels.co.uk/bolognadelagare)

Just 300 metres from Bologna Central Train Station, this NH hotel is located in Bologna's shopping district and close to the main city monuments as well as the heart of the business area, and features free Wi-Fi. It offers an international buffet breakfast and large rooms with a minibar and satellite TV.

G. Marconi airport is just 6 kms away.

A limited number of rooms have been reserved at the hotel for the special rate €139 per night for single occupancy. This price includes buffet breakfast and VAT at 10%, excludes City Tax. A hotel booking form will be sent when you register – please use this form to make your reservation directly with the hotel.





SCIENTIFIC UPDATE

We've got chemistry

Start 8.30am - Wednesday 16 May

Finish 5.00pm - Friday 18 May

Course Dinner 6.30pm - Wednesday 16 May

Course Fee: €2,050

Which includes comprehensive course manual, refreshments throughout the day, lunch and one course dinner.

Course Fee: €2,050

COURSE TUTOR

Dr Will Watson

Technical Director,
Scientific Update

Will Watson gained his PhD in Organic Chemistry from the

University of Leeds in 1980. He joined the BP Research Centre at Sunbury-on-Thames and spent five and a half years working as a research chemist on a variety of topics including catalytic dewaxing, residue upgrading, synthesis of novel oxygenates for use as gasoline supplements, surfactants for use as gasoline detergent additives and non-linear optical compounds.

In 1986 he joined Lancaster Synthesis and during the next 7 years he was responsible for laboratory scale production and process research and development to support Lancaster's



catalogue, semi-bulk and custom synthesis businesses. In 1993 he was appointed to the position of Technical Director, responsible for all Production (Laboratory and Pilot Plant scale), Process Research and Development, Engineering and Quality Control. He helped set up and run the Lancaster Laboratories near Chennai, India and had technical responsibility for the former PCR laboratories at Gainesville, Florida. He joined Scientific Update as Technical Director in May 2000. He is also involved in an advisory capacity in setting up conferences and in the running of the events. He is also active in the consultancy side of the business.



will@scientificupdate.com

REGISTRATION

You can either use our fast online booking system or mail or fax the attached registration form to:

Scientific Update

Maycroft Place, Stone Cross, Mayfield,
East Sussex, TN20 6EW, UK

Fax Number +44 1435 872734

How to Pay

When you register online, you can have the option to pay via credit card (Mastercard or Visa). A receipted invoice will be automatically generated once paid and sent via email. Should your company wish to pay by cheque or bank transfer bank details will be supplied with an invoice.

Bank Transfer or Cheque

Should your company wish to pay by cheque or bank transfer, on booking you can choose between paying in either €, \$ or £. All bank details will be supplied with an invoice.

Group Discounts

Group discounts are available on two or more attendees - see registration form. This offer only applies if bookings are made simultaneously and from the same billing address.

Confirmation of your registration

These will be sent via email.

Late Applications

For late applications, please register online or fax the completed registration form, including credit card payment information.

Cancellations/Refunds

Should you be unable to attend and cancel in writing no later than 1 month before the start of the course, Scientific Update will refund your registration less £300 (or equivalent in €/£) processing fee. Unfortunately refunds are not possible after that date. Substitutions can be made at any time.

IN-HOUSE COURSE

For 8+ people contact us to discuss holding this event In-House -
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CONSULTANCY SOLUTIONS

OUR EXPERTISE

We are specialists in Industrial Organic Chemistry, solving problems and managing projects in Process Research and Development covering the following industries:

- > **Pharmaceuticals**
- > **Fine Chemicals**
- > **Agrochemicals**
- > **Flavour & Fragrance**
- > **Specialty Chemicals**

OUR TEAM

You will be assigned one leading consultant but you will benefit from our team with over 100 years collective industrial experience.

OUR APPROACH

We will sign a CDA and discuss your project by telecom or webinar to assess what benefits we can offer. This initial consultation (up to 4 hours) is free of charge. After which we will offer a detailed proposal with the service we can provide tailored to your individual requirements.

ORGANIC SYNTHESIS: A TOOLKIT FOR THE INDUSTRIAL CHEMIST



NEW FAST ONLINE REGISTRATION

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16-18 May 2018 Bologna, Italy

No. of attendees @ €2050

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Register 3 delegates and receive 10% on 3rd booking
Register 4 or more delegates and receive a 15% discount

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First name
Surname
Job Title
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We accept the following credit cards:



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*payments via Amex can only be made in US dollars

* Currency Payments

If you select to pay in GBP, or Euros the amount charged will be based on the exchange rate at the time of preparing the invoice.

Discounts

Complete the details for either two or three delegates and your discount will automatically be applied. This offer only applies where all delegates are booked simultaneously and at the same billing address.

Cancellations

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For full terms of business and payment details please see our website

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