



# SCIENTIFIC UPDATE

*We've got chemistry*



## ORGANIC SYNTHESIS:

A Toolkit for the  
Industrial Chemist

13-15 MARCH 2019

**Dublin,  
Ireland**

Radisson Blu  
Royal

A 2 day course  
presented by  
**Dr Will Watson**

"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

# ORGANIC SYNTHESIS:

## A Toolkit for the Industrial Chemist

Multiple attendees discounts  
**UP TO 15% available**

13-15 March 2019 Dublin, Ireland, Radisson Blu Royal

### 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 do consider this course to be helpful, the tutor is very motivated and inspiring."

**Bayer**

### VENUE

**Radisson Blu Royal**  
Golden Lane 8  
Dublin  
Ireland

+353 1 898 2900

[www.radissonblu.com/en/royalhotel-dublin](http://www.radissonblu.com/en/royalhotel-dublin)

Stay in the heart of the Irish capital at the Radisson Blu Royal Hotel, Dublin. This stylish hotel is close to Dublin International Airport, as well as several popular attractions. Be captivated by the Georgian architecture, charismatic locals and inviting shops and pubs.

Spend the day sightseeing, then relax back at the hotel. Our modern Dublin hotel rooms and suites boast excellent views of the city.





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**Start** 9.00am - Wednesday 13 March

**Finish** 3.30pm - Friday 15 March

**Course dinner** 6.30pm - Wednesday 13 March

**Course Fee:** €2,099

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

**Course fee:** €2,099

## 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](mailto: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 (Amex, Mastercard or Visa). For email payments please include course title, card number, expiry date and security code. 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

Late applications are permitted depending on availability, please register on line and pay by credit card only.

### 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 -  
[sciup@scientificupdate.com](mailto:sciup@scientificupdate.com)

## 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.



13-15 March 2019 Dublin, Ireland

No. of attendees  @ €2,099

**Special Offer!**

Register 2 delegates and receive 5% on 2nd booking  
Register 3 delegates and receive 10% on 3rd booking  
Register 4 or more delegates and receive a 15% discount

**First attendee**

Company   
Title (Dr/Prof/Mr/Mrs/Ms)   
First name   
Surname   
Job Title   
Address   
  
  
Post Code / Zip   
Country   
Tel   
Fax   
Email   
Mobile   
Special Diet   
I would like to subscribe to your FREE bi-monthly newsletter  
What's new in Process Chemistry?

**Invoice Address** (if different to delegate address)

Address   
  
  
Post Code / Zip   
Country   
Tel   
Fax   
 Please invoice my company  
Purchase Order:   
Promotion Code:

**Second attendee SAVE 5%**

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First name   
Surname   
Job Title   
Tel   
Fax   
Email   
Special Diet   
I would like to subscribe to your FREE bi-monthly newsletter  
What's new in Process Chemistry?

**Third attendee SAVE 10%**

Title (Dr/Prof/Mr/Mrs/Ms)   
First name   
Surname   
Job Title   
Tel   
Fax   
Email   
Special Diet   
I would like to subscribe to your FREE bi-monthly newsletter  
What's new in Process Chemistry?

**Payment Methods**

Payment will be made by:  
 Cheque  Bank Transfer  Credit Card  
In Currency:  
 Euros  GBP\*  or Dollars\*

We accept the following credit cards:



To pay by credit card a secure link will be provided once you receive your booking confirmation email, this will then take you to a secure payment gateway.

\*payments via Amex can only be made in US dollars

**\* Currency Payments**

If you select to pay in GBP, or Dollars 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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**Data Protection**

Scientific Update Ltd is registered under the Data Protection Act 1998. We will store your information securely and only share your contact details with other attendees at this event. If you are happy for your details to be passed to any third parties please tick here:

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

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