

# Organic Synthesis: A Toolkit for the Industrial Chemist

9-11 MAY 2017



Split, Croatia  
Le Méridien Lav

A 3 day course presented by  
Dr Will Watson and Dr John Knight

"Problem  
sessions were  
awesome!"

Merck

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

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## 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 CONTENT

- > 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.

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

## VENUE

Le Méridien Lav  
Grljevačka, 2A  
Podstrana, Split, 21312  
Croatia

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

Located 8km from Old Town Split, the hotel's unique setting offers all the business traveller could need, with the backdrop of the sea, infinity pool and private beach.

A limited number of bedrooms have been reserved at the hotel for the special rate of \$145.00 per night including breakfast and taxes. Details about making your reservations directly with the hotel will be sent to you when you register.



Start 09.00am - Tuesday 9 May  
Finish 3.30pm - Thursday 12 May  
Course dinner 7.30pm - Tuesday 9 May

**Course Fee: €1,950**

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

**Course Fee: €1,950**

## COURSE TUTORS

### 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 active in the consultancy side of the business and sits on the Scientific Advisory Boards of various companies.

@ [will@scientificupdate.co.uk](mailto:will@scientificupdate.co.uk)

### Dr John Knight

Consultant,  
JKonsult Ltd



John first started his industrial career at the age of 16 as a technician with ICI. Following several years' laboratory experience he went on to study at the University of Southampton for a degree in chemistry, staying on to complete his PhD with Phil Parsons. John then took up a NATO-funded post-doctoral position with Gilbert Stork before returning to the UK to work for Glaxo, initially in medicinal chemistry before transferring to chemical development. John then moved to work for a small contract research organisation which, after significant growth, is now part of Aptuit. John left Aptuit at the end of 2007, following 14 years in the CRO arena, to join Scientific Update LLP where he provided training and consultancy services. In January 2015 John established his own consultancy business while continuing to work very closely with Scientific Update.

John's main professional focus is in working with early stage chemical development projects and transfer to plant, often working with small pharma companies where he helps with CMC issues and securing material supplies to toxicological studies and Phase I and II clinical trials.

@ [john@jkonsult.co.uk](mailto:john@jkonsult.co.uk)

## 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,  
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### 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 multiples of 2 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

Confirmation and your invoice will be sent via email.

### Late Applications

For late applications, please register on-line 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 processing fee. Unfortunately refunds are not possible after that date. Substitutions can be made at any time.

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