

# Practical Aspects of Green Chemistry in the Pharmaceutical Industry

## CHEM21 Workshop & Symposium



13<sup>th</sup> -15<sup>th</sup> June 2016, RSC Burlington House, London, UK

[www.chem21.eu](http://www.chem21.eu)

Cost: Free

This highly interactive workshop will be delivered by a blend of CHEM21 academics and industry experts in the field, involving group work and problem solving exercises alongside seminars to explore a broad range of cutting-edge case studies and industrial examples on greening the synthesis of Active Pharmaceutical Ingredients (APIs).

The workshop is open to students, academics and industrialists. Places are limited and will be allocated on case by case basis. If you are interested in attending please complete the registration form at <https://chem21-greenchemistry-workshop.eventbrite.co.uk> including a brief supporting statement explaining your reasons for applying.

### 19:00 – 21:00 13<sup>th</sup> June

### Reception and Pre-Workshop Networking Event

- Keynote Presentation – Green Chemistry & Sustainability for the 21<sup>st</sup> Century Industry (Prof. James Clark, University of York)
- Introduction to CHEM21, IMI and aims of the workshop
- Launch of the CHEM21 online Education and Training platform

### 9:00-17:00 14<sup>th</sup> June & 9:00-13:00 15<sup>th</sup> June

### Workshop & Symposium

This will consist of a blend of lectures, interactive small group exercises and whole group discussions on the following subjects:

- Metrics and Route Selection (Prof. Andy Wells, CTC Ltd and Dr John Hayler, GlaxoSmithKline)
- C-H activation (Prof. Bert Maes, University of Antwerp (tbc))
- Biocatalytic Retrosynthesis (Prof. Nick Turner, University of Manchester)
- Solvents Lecture (Dr Denis Prat, Sanofi)
- Solvents (Dr John Hayler & Dr Helen Sneddon, GlaxoSmithKline)
- Fluorination (Prof. Graham Sandford, Durham University)
- Flow chemistry (Prof. John Blacker, University of Leeds)
- Synthetic Biology (Prof. Anton Glieder, Technische Universität Graz & Dr Claus Lattemann, Sanofi)