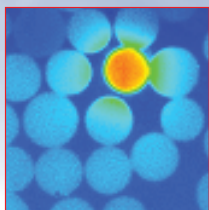


Combinatorial Centre of Excellence
Department of Chemistry, University of Southampton

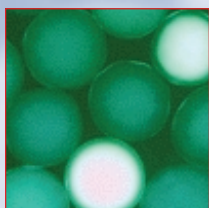


**4th International Residential School
in
Combinatorial Chemistry**

Monday 16th - Thursday 19th September 2002



www.soton.ac.uk/~chemweb
www.chemsoc.org/networks/ccn/reschools.htm



Recognised by the Royal Society of Chemistry
for the purposes of
Continuing Professional Development

Residential School

Combinatorial Chemistry



Monday 16th to Thursday 19th September 2002

Department of Chemistry, University of Southampton

Combinatorial Chemistry 2002 will be the fourth iteration of a course which began as a collaboration between the Industrial Consortium to Support Combinatorial and Solid Phase Chemistry (ICCSF), the Royal Society of Chemistry and the Department of Chemistry, University of Southampton in 1998. This years programme will be based on the well regarded schools held in 1999, 2000 and 2001, details of which may be found at <http://www.chemsoc.org/networks/ccn/reschools.htm>, but will also include newer areas of combinatorial chemistry such as high throughput X-ray analysis and catalysis.

Who should attend?

The school is aimed at a number of different communities within the industrial and academic sectors.

- Employees with limited experience in the application of combinatorial techniques and equipment.
- More experienced employees seeking an opportunity to identify applications of combinatorial/high throughput methods in their own research.
- Academics seeking an overview of the current state of the art.
- Post-graduate students embarking upon, or currently undertaking, research in combinatorial chemistry.

Objectives

The course is an introduction to the theory and practice of combinatorial chemistry as an alternative to single compound synthesis. Review lectures cover the background to, and significant recent developments in, both solid and solution phase chemistries developing in this area as well as current analytical methods for rapid compound analysis. The course content is intended to provide a comprehensive basic knowledge of combinatorial strategies as well as offering opportunities to discuss some of the more advanced developments. The opportunity to see some of the more recent technological developments is provided to illustrate how theory is turned into practice.

Teaching Methods

Representatives from both academia and industry will act as lecturers and tutors throughout the school. About 70% of the programme will consist of a combination of review and application lectures, the remaining 30% will include a basic practical session and an interactive computer workshop concerning library design.



Course content

1. A series of perspective and review lectures will be delivered by academic staff from the University of Southampton:-

*Professor Mark Bradley, Dr. Richard Brown, Professor Chris Frampton
Dr. Ganesan, Dr. Bruno Lindlau,*

These lectures will cover the topics outlined below.

- A Historical Overview of Combinatorial Chemistry.
- Reagents and Scavengers for Combinatorial Synthesis.
- Solid Phase Synthesis.
- Solution Phase Methodology for Parallel Synthesis.
- Combinatorial Catalyst Arrays: Synthesis and Screening.
- New Developments and Techniques in Combinatorial Chemistry.
- High Throughput X-ray Analysis for Polymorph Screening and Salt Selection

2. The science discussed in the section above will be placed in context by a series of lectures delivered by colleagues from the industrial sector.

In the past we have had presentations from Merck, Sharp and Dohme; Aventis; GlaxoSmithKline; Pfizer; Roche and Millenium Pharmaceuticals. In 2002 we will have up to seven industrial lectures detailing particular facets of their application of combinatorial methods.

3. The availability of practical sessions and computing workshops will be timetabled according to the preferences expressed by interested parties at the end of this form. The organisers will ensure that all the aforementioned exercises will take place although some might have to be in parallel sessions.

To help us with arrangements for the non-lecture based components of the course please ensure that you complete the relevant section of the application form. Bear in mind that the basic practical skills course will be for delegates with no experience of solid phase practical work. More experienced delegates will benefit from the demonstrations from visiting technology suppliers which will be available during the times scheduled for the basic practical course.

Application Form

Residential School Combinatorial Chemistry

MONDAY 16TH - THURSDAY 19TH SEPTEMBER 2002

DEPARTMENT OF CHEMISTRY, UNIVERSITY OF SOUTHAMPTON

Please tick the appropriate boxes

Title: Mr Ms Miss Mrs Dr Professor

Sex: F M

Initials..... Surname.....

First Name.....

Company/Institution.....

Mailing address.....

Tel Fax

Email.....

Special Dietary Requirements.....

Registration Fees (these fees are not subject to VAT)

Tuition Fees (inclusive of course manual, reception and course dinner)

Delegate registering before 31st May 2002 £600

Delegate registering after 31st May 2002 £670

Full time student registering before 31st May 2002 £150

Full time student registering after 31st May 2002 £200

Accommodation Fee

(Accommodation for Sunday night to Wednesday night inclusive)

En-suite facilities, bed, breakfast, lunch and dinner OR £220

Shared bathroom facilities, bed, breakfast lunch and dinner £180

Total £.....

Applications should be accompanied by the full fee in the form of a cheque (payable to 'The University of Southampton'), or a request to invoice, and returned to:-

Course Secretary: Mrs. J. Quinn-Parsons, The Department of Chemistry, The University of Southampton, Highfield, Southampton SO17 1BJ. Tel. 023 80593466 Fax. 023 80596766 E-mail: jqp@soton.ac.uk.

continued overleaf.....

Non-lecture components of the course

Please indicate your interest in the components of the course outlined below:

1. I am interested in attending a basic solid phase practical skills component of the course. Please check that the contents of the practical course are relevant to your knowledge base. You will find details of last years practical at:
<http://www.chemsoc.org/networks/ccn/reschools.htm>
 Yes No
2. I am interested in attending the computer workshop session on Diversity in Library Design Yes No

Data Protection

The companies who attend the summer school to exhibit their latest technology often request access to the contact details of the delegates. Please tick the box if you do NOT wish your contact details to be circulated in this manner

Where did you first hear about this course?

- word of mouth
- via this circular
- advert (where?).....
- internet site (please specify).....
- other.....



Accommodation

Accommodation will be provided in Highfield Hall, a small hall of residence provided with both en-suite facilities or bedrooms with a shared bathroom, within 5 minutes walk of the chemistry department. The en-suite rooms will be allocated on a first come, first served basis unless applicants specifically request shared facilities. Evening meals will be in Highfield Hall except for the conference dinner which will be at a local hotel. More details about the University and the City of Southampton may be found at <http://www.soton.ac.uk/>.



Bursaries

A limited number of bursaries covering part or all of the tuition fees for the course will be made available to students in full time higher education. Application forms for the bursaries are available from: Mrs J. Quinn-Parsons, Department of Chemistry, The University of Southampton, Highfield, Southampton SO17 1BJ (e-mail: jqp@soton.ac.uk).