
This version is available at https://strathprints.strath.ac.uk/31965/

Strathprints is designed to allow users to access the research output of the University of Strathclyde. Unless otherwise explicitly stated on the manuscript, Copyright © and Moral Rights for the papers on this site are retained by the individual authors and/or other copyright owners. Please check the manuscript for details of any other licences that may have been applied. You may not engage in further distribution of the material for any profitmaking activities or any commercial gain. You may freely distribute both the url (https://strathprints.strath.ac.uk/) and the content of this paper for research or private study, educational, or not-for-profit purposes without prior permission or charge.

Any correspondence concerning this service should be sent to the Strathprints administrator: strathprints@strath.ac.uk
The premier conference for pharmaceutical scientists in the United Kingdom in 2010, so be sure to book your place. For further details and online registration visit www.ukpharmsci.org
Welcome to UK-PharmSci 2010
www.ukpharmsci.org

The Academy of Pharmaceutical Sciences are pleased to announce their Inaugural Science Conference UK-PharmSci 2010 ...The Science of

The UK-PharmSci Conference 2010 will showcase the best of pharmaceutical science from the UK and around the world bringing together academic and industrial institutions, providing state of the art technologies and a platform for the development of emerging talent.

The Conference theme is "The Science of Medicines" with contributions from established leaders and emerging talent on a variety of topics including biopharmaceutics, biologicals, materials science, pharmaceutical analysis, pharmaceutical chemistry, particle engineering, quality by design, regenerative medicine and medicinal chemistry. The Conference will include a large pharmaceutical sciences exhibition with representation from pharma companies, small and medium size enterprises, contract research organisations and technology suppliers.

With over 350 abstract submissions there will be a large poster session and over 40 podium presentations from selected abstracts as well as over 50 5 minute poster bites.

On each day conference attendees will have a choice of themed parallel podium session, plus scientific poster sessions and an exhibition that will run for the duration of the conference.

The exhibition, related conference sessions and social events will help delegates develop their personal and professional networks to meet future needs.

Speakers include

- **Conference Chair**
  - Professor Kevin Shakesheff
  - University of Nottingham

- **Chair of the Academy of Pharmaceutical Sciences**
  - Dr Eddie French
  - Pfizer Global R&D

- **RPSGB Award Lecture**
  - Professor Ravi Kumar
  - University of Strathclyde

- ** Particle Design and Engineering - Innovations For Inhalation**
  - Professor Peter York
  - University of Bradford

- **Bioavailability Issues in Dermal Delivery**
  - Professor Jonathan Hadgraft
  - University of London

- **Physical Characterisation of Disperse Systems**
  - Professor Graham Buckton
  - University of London

- **Emerging Trends; Characterisation of Mesoporous Silica Inclusion Compounds**
  - Professor Johan Martens,
  - University of Leuven, Belgium

- **Using Predictive Tools For Rapid Formulation Development**
  - Dr Bruno Hancock
  - Pfizer, USA

- **Drugs delivery opportunities in China**
  - Professor Jiwen Zhang
  - Shanghai Institute of Material Medica, China

- **Pharmaceutical Cocrystals to Modify Physico-Chemical and Dissolution Profile of APIs**
  - Professor Ashwini Nangia
  - University of Hyderabad, India

- **Biopharmaceutics of Large Molecules**
  - Professor Chris Porter
  - Monash University, USA

- **Quality by Design**
  - Dr Fernando J Muzzio
  - Rutgers University, USA

- **Drug delivery opportunities in China**
  - Professor Jiwen Zhang
  - Shanghai Institute of Material Medica, China

...as well as APS Fellows

...and International Speakers
Programme highlights

Wednesday 1st September

08.30 - 09.30 Coffee & Registration

09.30 - 09.45 Welcome & Introduction
Speakers: Prof. Kevin Shakesheff, Conference Chair, University of Nottingham & Dr Eddie French, APS Chair, Pfizer

09.45 - 10.15 RPSGB Science Award Lecture. Presented by: Prof. Ravi Kumar, University of Strathclyde

10.15 - 11.00 Coffee, Posters and Exhibition

11.00 - 12.30 A choice of 4 parallel sessions:

1. Material Science - Crystal and Particle Engineering
   Session Chair: Dr Marcel de Matas, University of Bradford
   Speaker: Prof. Ashwini Nangia, University of Hyderabad, India

2. Delivery Technologies for Biotherapeutics
   Session Chair: Dr James Birchall, Cardiff University
   Speaker: Dr Kevin King, Pfizer

3. Analysis of Drug Inclusion Products 1
   Session Chair: Mr Malcolm Dash, MHRA
   Speakers: Prof. Yvonne Perrie, Aston University; Dr Abigail Moran, MHRA

4. Bioavailability issues in dermal delivery...
   Session Chair: Prof. Adrian Davis, Limeway Consulting
   Speakers: Prof. Richard Guy, University of Bath; Prof. Jonathan Hadgraft, University of London; Mr Sean Jones, MHRA

12.30 - 13.45 Lunch, Posters and Exhibition

13.45 - 15.45 A choice of 4 parallel sessions:

1. Material Science - Inhalation
   Session Chair: Dr Gavin Reynolds, AstraZeneca
   Speakers: Prof. Peter York, University of Bradford; Mr David Hipkiss, Prosonix Ltd

2. Biotherapeutic Formulation Interfaces
   Session Chair: Dr Barry Moore, Xtalbio
   Speakers: Dr Paul Matejtschuk, Health Protection Agency; Dr Ahmed Yasin, GlaxoSmithKline

3. Analysis of Drug Inclusion Products 2
   Session Chair: Dr Arthur Andrews, Joint Pharmaceutical Analysis Group
   Speakers: Prof. Graham Buckton, University of London; Prof. Johan Martens, University of Leuven, Belgium

4. Aspects of compromised skin barrier function
   Session Chair: Dr Majelia Lane, University of London
   Speakers: Dr Mike Walker, Convatec; Prof. Alan Cottenden, University College, London

15.45 - 16.15 Tea, Posters and Exhibition

16.15 - 18.15 A choice of 4 parallel sessions:

1. Material Science - Process Engineering for solid formulations
   Session Chair: Dr Gavin Reynolds, AstraZeneca
   Speakers: Dr Rachel Bridson, University of Birmingham; Dr Bruno Hancock, Pfizer, USA

2. Biopharmaceutics of Large Molecules
   Session Chair: Dr Ben Forbes, King’s College London
   Speakers: Prof. Chris Porter, Monash University, Australia; Prof. Balaji Agoram, Pfizer

3. Analysis of Drug Inclusion Products 3
   Session Chair: Mr Ken Leiper, Joint Pharmaceutical Analysis Group
   Speakers: Prof. Chris Frampton, Pharmorphix; Dr David Elder, GlaxoSmithKline
   Including: Presentation of Geoffrey Phillips Analytical Science Award

4. Anti Infectives
   Session Chair: Prof. Stephen Denyer, Cardiff University; Dr Brendan Gilmore, Queen’s University Belfast

18.15 - 19.00 Posters and Exhibition

19.00 - 00.00 Pasta Supper and Jazz Bar

Full details of all parallel sessions can be found on the website www.ukpharmsci.org
### Programme highlights

**Thursday 2nd September**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30 - 10.30</td>
<td>A choice of 4 parallel sessions:</td>
</tr>
<tr>
<td><strong>1. New Scientist Focus Group</strong></td>
<td>Session Chair: Dr Helen Barker, Pfizer; Dr Hannah Batchelor, AstraZeneca</td>
</tr>
<tr>
<td></td>
<td>Speakers: Dr Trevor Keel, Gold Innovations; Dr Brian Jones, University of Brighton</td>
</tr>
<tr>
<td><strong>2. Pharmaceutical Technologies</strong></td>
<td>Session Chair: Dr Vitaliy Khutoryanskiy, University of Reading</td>
</tr>
<tr>
<td></td>
<td>Speakers: Prof. Tony D’Emanuele, UCLan; Dr Lea Ann Dailey, King’s College London</td>
</tr>
<tr>
<td><strong>3. Regenerative Medicine 1 - Cell Therapies</strong></td>
<td>Session Chair: Prof. Molly Stevens, Imperial College London; Prof. Kevin Shakesheff, University of Nottingham</td>
</tr>
<tr>
<td></td>
<td>Speakers: Dr John Sindon, Reneuron Group plc; Prof. Stephen Minger, GE Healthcare</td>
</tr>
<tr>
<td><strong>4. Medicinal Chemistry</strong></td>
<td>Session Chair: Prof. Donald Cairns, The Robert Gordon University</td>
</tr>
<tr>
<td></td>
<td>Speaker: Prof. Simon Mackay, University of Strathclyde</td>
</tr>
<tr>
<td>10.30 - 11.15</td>
<td>Coffee, Posters and Exhibition</td>
</tr>
<tr>
<td>11.15 - 12.00</td>
<td>GlaxoSmithKline Emerging Scientist Plenary Lecture Award</td>
</tr>
<tr>
<td>12.00 - 13.15</td>
<td>Lunch, Posters and Exhibition</td>
</tr>
<tr>
<td>12.15 - 13.00</td>
<td>APS Annual General Meeting</td>
</tr>
<tr>
<td>13.15 - 15.00</td>
<td>A choice of 4 parallel sessions:</td>
</tr>
<tr>
<td><strong>1. Therapeutics - Paediatrics and Geriatrics</strong></td>
<td>Session Chair: To be confirmed</td>
</tr>
<tr>
<td><strong>2. Pharmaceutical Technologies</strong></td>
<td>Session Chair: Dr Ian Robertson, Colorcon</td>
</tr>
<tr>
<td></td>
<td>Speakers: Dr Catherine Tuleu, University of London; Dr Carl Mroz, Colorcon; Dr John Hempenstall, GlaxoSmithKline; Dr Jenny Walsh, AstraZeneca</td>
</tr>
<tr>
<td><strong>3. Regenerative Medicine 2 - Drug Discovery and stem cells</strong></td>
<td>Session Chair: Prof. Molly Stevens, Imperial College London; Prof. Kevin Shakesheff, University of Nottingham</td>
</tr>
<tr>
<td></td>
<td>Speaker: Prof. Stephan Przyborski, Reinnervate Ltd &amp; Durham University</td>
</tr>
<tr>
<td><strong>4. Medicinal Chemistry - Natural Products</strong></td>
<td>Session Chair: Prof. Donald Cairns, The Robert Gordon University</td>
</tr>
<tr>
<td></td>
<td>Speaker: Dr Jose Prieto, University of London</td>
</tr>
<tr>
<td>15.00 - 15.30</td>
<td>Tea, Posters and Exhibition</td>
</tr>
<tr>
<td>15.30 - 17.30</td>
<td>A choice of 4 parallel sessions:</td>
</tr>
<tr>
<td><strong>1. Biopharmaceutics - Enabling Early Formulation Development</strong></td>
<td>Session Chair: Dr Mark McAllister, Pfizer; Dr Paul Dickinson, AstraZeneca</td>
</tr>
<tr>
<td></td>
<td>Speakers: Dr Joanne Bennett, Pfizer; Dr James Butler, GlaxoSmithKline</td>
</tr>
<tr>
<td><strong>2. Pharmaceutical Technologies</strong></td>
<td>Session Chair: Dr Karl Malcolm, Queen’s University Belfast</td>
</tr>
<tr>
<td></td>
<td>Speakers: Dr Andreas Schatzlein, University of London; Dr Helen McCarthy, Queen’s University Belfast; Dr Giuseppe Battaglia, University of Sheffield</td>
</tr>
<tr>
<td><strong>3. Regenerative Medicine 3 - Materials and Tissue Engineering</strong></td>
<td>Session Chair: Prof. Molly Stevens, Imperial College London; Prof. Kevin Shakesheff, University of Nottingham</td>
</tr>
<tr>
<td></td>
<td>Speaker: Dr John Barry, Baxter Innovations</td>
</tr>
<tr>
<td><strong>4. Medicinal Chemistry - Industrial Aspects</strong></td>
<td>Session Chair: Prof. Donald Cairns, The Robert Gordon University</td>
</tr>
<tr>
<td></td>
<td>Speaker: Dr David Lathbury, AstraZeneca</td>
</tr>
<tr>
<td>17.30 - 18.15</td>
<td>Poster Prizes followed by the APS Plenary Lecture sponsored by AstraZeneca</td>
</tr>
<tr>
<td>20.00</td>
<td>APS “Black Tie” Dinner</td>
</tr>
</tbody>
</table>

Full details of all parallel sessions can be found on the website [www.ukpharmsci.org](http://www.ukpharmsci.org)
Programme highlights

Friday 3rd September

09.00 - 09.15 Welcome and Introduction
09.15 - 10.45 SME Showcase in Pharmaceutical R&D
10.45 - 11.15 Coffee, posters and exhibition
11.15 - 12.45 A choice of 4 parallel sessions:

1. Student Guide to Drug Development 1
   Session Chair: Dr Eddie French, Pfizer

2. Quality by Design 1
   Session Chair: Dr Mike Parker, AstraZeneca
   Speakers: Dr Simon Holland, GlaxoSmithKline; Dr Fernando J Muzzio, Rutgers University, USA

3. Interdisciplinary Research in Pharmaceutical Sciences 1
   Session Chair: Dr Francesca Greco, University of Reading

4. UK, China, India Science Bridge Collaboration 1
   Session Chair: Prof. Kevin Shakesheff, University of Nottingham
   Speaker: Prof. Jiwen Zhang, Shanghai Institute of Material Medica, China

12.45 - 13.45 Lunch, posters and exhibition

13.45 - 15.15 A choice of 4 parallel sessions:

1. Short Talks in Pharmaceutical Sciences and CV Workshop
   Session Chair: To be confirmed

2. Quality by Design 2
   Session Chair: Dr Mike Parker, AstraZeneca
   Speaker: Dr Liz Meehan, AstraZeneca

3. Interdisciplinary Research in Pharmaceutical Sciences 2
   Session Chair: To be confirmed

4. UK, China, India Science Bridge Collaboration 2
   Session Chair: Prof. Kevin Shakesheff, University of Nottingham
   Speaker: Dr Pradip Bhatnagar, Ranbaxy Laboratories Limited

15.15 - 16.15 BioPharm UK- India: Biotechnology Business Challenge Awards Ceremony

16.15 Tea and Departure

Full details of all parallel sessions can be found on the website www.ukpharmsci.org

Exhibition Opportunities

UK-PharmSci 2010 will be the country's largest gathering of industrial scientists, academics, management and technicians involved in the "Science of Medicines" and will feature a vibrant exhibition.

The Exhibitor Package

Exhibitors will have the opportunity of taking a stand for the two or three days of the conference.

The options are:

- **2 days**: Wednesday 1st & Thursday 2nd September at **£255 + VAT per square metre**
- **3 days**: Wednesday 1st to Friday 3rd September at **£295 + VAT per square metre**

Full details can be found on the website www.ukpharmsci.org along with an exhibition plan to download.

If you would like to discuss exhibiting or sponsoring at UK-PharmSci 2010 in greater depth, please contact:

Chris Hanney
Tel: +44 (0) 20 8749 6471
Mob: +44(0) 7939 201 324
Email: chrishanney@ukpharmsci.org
Accommodation

We have negotiated a very competitive rate of £43.70 + VAT per night in single study bedrooms in the Cavendish and Rutland Halls on University Park, both of which are just a few minutes walk from the East Midlands Conference Centre.

Bed & breakfast accommodation is available for the following nights:
- Tuesday 31st August
- Wednesday 1st September
- Thursday 2nd September

All rooms include:
- Welcome pack with toiletries
- Full English Breakfast
- Free internet Access
- En-suite bathroom facilities
- Tea & Coffee making facilities

Notes for delegates

Registration Notes
NAME and ORGANISATION
Please supply the details in the way that you would like them to appear on your conference name badge. The use of first names is preferred to initials.

Package Deals
3 Day Package Offer
The 3 day package deal includes attendance at the conference sessions on Wednesday, Thursday and Friday, all tea and coffee as well as lunch on all 3 days. It also includes the Pasta Supper on Wednesday evening. Please note that the package deal does not include attendance at the APS Black Tie Dinner on Thursday evening (if you wish to attend the APS Black Tie Dinner please add this from the Modular Registration Options).

Modular Options
Wednesday 1st September
Includes attendance at the conference sessions on Wednesday, morning coffee, lunch and afternoon tea and attendance at the Pasta Supper on Wednesday Evening.

Thursday 2nd September
Includes attendance at the conference sessions on Thursday, morning coffee, lunch and afternoon tea. Attendance at the APS Black Tie Dinner is not included.

Friday 3rd September
Includes attendance at the conference sessions on Friday, morning coffee, lunch and afternoon tea.

APS Black Tie Dinner (Thursday 2nd September)
Please note that this option does not include attendance at any of conference sessions.

Payment
Full payment must be received prior to the commencement of the conference on Wednesday 1st September.

Cancellations
Cancellations can be made up to three weeks before the commencement of the event (Wednesday 11th August). In all cases, 25% of the fees will be retained to cover administrative expenses.

Delegate substitutions are permitted at any time.

In the event of cancellation by the organisers, liability will be limited to the return of fees actually paid.

To Book:
Telephone the booking line on 0115 846 8000 between 8.45hrs and 17.00 hrs and quote reference “UK-PharmSci 2010”.

The booking line is open now and will close on Friday 20th August, after this date the special rate of £43.70 will no longer be available.