



## THE JOINT PHARMACEUTICAL ANALYSIS GROUP

<[www.jpag.org](http://www.jpag.org)>

# The analytical science and regulation of pharmaceutical packaging

A one-day symposium organised jointly with the  
**Pharmaceutical Analytical Sciences Group**  
at the Royal Pharmaceutical Society of Great Britain

**Thursday 3 December 2009**

### Scope

Packaging plays a critical role in the presentation, distribution and protection of drug products, as well as for patient convenience and compliance. Higher regulatory and quality controls are required for pharmaceutical packaging, especially for products such as those administered by the intravenous or inhaled routes which not only rely on packaging for product integrity or functionality but present a greater risk to patients from packaging leachables.

A good understanding of packaging effects can also lead to reductions in stability testing requirements and to longer shelf lives.

This symposium will examine the current regulatory landscape for pharmaceutical packaging and the analytical strategies to assess the quality, safety and efficacy of product packaging.

### Who should attend

This symposium will be of interest to scientists and managers involved in product development, stability and manufacturing, packaging operations, quality control and regulatory affairs.

*A customised certificate attesting four hours credit for Continuing Professional Development will be included in the delegate pack for all registrants*

## **Programme**

- 09.30**      **Registration and coffee**
- 10.00**      **Introduction**  
**Dr Ray Munden,**  
***Chairman, Joint Pharmaceutical Analysis Group***
- 10.05**      **Overview of regulatory requirements for pharmaceutical packaging**  
**Dr Dima Al-Hadithi, *MHRA***
- 10.45**      **Application of a risk-based approach to the design of an extractables and leachables programme for a dry powder inhaler product**  
**Jason Creasey, *GSK***
- 11.25**      **Short break**
- 11.35**      **Investigating interactions between formulation, glass vials and stoppers during development of an intravenous product**  
**Dr Jon Beaman, *Pfizer***
- 12.15**      **Lunch**
- 13.15**      **Stability aspects of packaging**  
**Roy Gray, *Consultant***
- 13.55**      **Modelling the impact of relative humidity excursions on products stored in environmentally-controlled storage facilities**  
**Tony Hatton, *GSK***
- 14.35**      **Tea break**
- 15.00**      **Novel sample preparation techniques applied to extractable and leachable analysis**  
**Shane Smith, *GSK***
- 15.40**      **Packaging and stability considerations for drug-device combination products**  
**Roisin Wallace, *Pfizer***
- 16.20**      **Closing remarks**
- 16.25**      **Close**

**Joint Pharmaceutical Analysis Group**  
**“Pharmaceutical packaging”, Thursday 3 December 2009**

**Registration form**

Please send completed registration forms (one per person; fax or photocopies are accepted) to the Secretariat: Ms Julie Churchill, 3<sup>rd</sup> floor, Royal Pharmaceutical Society of Great Britain, 1 Lambeth High Street, London SE1 7JN

**Delegate fees** (*include registration, documentation, lunch and refreshments*). Please tick the appropriate box:

JPAG members	£147	<input type="checkbox"/>
Other members of RSC or RPSGB ** or APSGB	£197	<input type="checkbox"/>
<i>Bona fide</i> students, retired or unemployed members of RSC or RPSGB	£32	<input type="checkbox"/>
Not members of JPAG, or RSC or RPSGB	£247	<input type="checkbox"/>

[\*\*Details on how members of RPSGB and RSC can join JPAG are on the JPAG website.]

I enclose payment of £..... [Please note that there is no charge for VAT]

**Details of delegate:**

SURNAME: \_\_\_\_\_ (BLOCK CAPITALS PLEASE)

TITLE (Miss/Mrs/Mr/Dr/Professor) \_\_\_\_\_ FORENAME \_\_\_\_\_

ORGANISATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_  
POSTCODE \_\_\_\_\_

TEL: \_\_\_\_\_ FAX \_\_\_\_\_ e-mail \_\_\_\_\_

**Payment of delegate fee:** Fees are payable to “The Joint Pharmaceutical Analysis Group” [NOT Royal Pharmaceutical Society]. Please indicate method of payment:

- ☐ Cheque in GB pounds sterling payable to “**The Joint Pharmaceutical Analysis Group**”
- ☐ Bank Transfer: use Sort Code: 30-99-93. Account Number: 00779842 at Lloyds TSB Bank, 41-43 South Street, Worthing, West Sussex, BN11 3AU **Quote reference: 1209**

**Delegate fees** are payable upon registration and are not refundable. E-mail confirmation of registration will be sent within 5 working days – please notify if you do not receive confirmation from the Secretariat. Notified substitution is allowed at any time

**Enquiries** should be addressed to the Secretariat: Ms Julie Churchill. Tel 020 7572 2261; Fax: 020 7572 2506; E-mail: <science@rpsgb.org>

**Information** on the programme, submission of abstracts for Poster presentation, location of the venue and local hotels and JPAG membership is available on the JPAG website at: [www.jpag.org](http://www.jpag.org)

**Keeping you informed:** The contact details you have provided may be used to keep you informed about future JPAG, RPSGB and RSC events, products and services. If you do not wish to receive such information by any of the methods listed below please indicate by ticking the corresponding box:

Mail ☐ Email ☐ Telephone ☐ All ☐

## **JPAG symposium and conference programmes in 2009**

**Monday 3 August 2009**

**IUPAC General Assembly**

Glasgow.

JPAG symposium: **Quality assurance of medicines and detection of counterfeits**

Submission deadline for podium presentation is 15 January and for poster presentation is 5 June. For details see: [www.iupac2009.org](http://www.iupac2009.org)

**Thursday 6 August 2009**

**Pharmacopeial Users Forum**

In association with the United States Pharmacopeia

Royal Pharmaceutical Society, London

**Monday 7- Wednesday 9 September 2009**

**British Pharmaceutical**

**Conference**

Manchester International Conference Centre

JPAG symposium: **Combating counterfeit medicines**

JPAG symposium: **Emerging technologies in point-of-care testing**

Presentation of short papers in pharmaceutical analysis. Eligible presentations to be considered for award of the Conference Analytical Science Award (a bursary to attend a future conference). For details see: [www.bpc2009.org](http://www.bpc2009.org)

**Thursday 15 October 2009**

**Analysis of inhaled products**

Joint symposium with Inhalation Focus Group of the Academy of Pharmaceutical Sciences

Royal Pharmaceutical Society, London

**Thursday 3 December 2009**

**Analytical science and regulation of pharmaceutical packaging**

Joint symposium with the Pharmaceutical Analytical Sciences Group

Royal Pharmaceutical Society, London

**For current information on the programme of events please see the JPAG website: <[www.jpag.org](http://www.jpag.org)>**

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**For some events, block bookings** for students (to include documentation but not lunch) can be made by Academic supervisors; please ask for details from the Secretariat.