



THE JOINT PHARMACEUTICAL ANALYSIS GROUP

<www.jpag.org>

Thermal and spectroscopic characterisation of higher order structure of bio-molecules

In association with the Thermal Methods Group of the RSC



at the Royal Society of Chemistry, London

Wednesday 24 October 2012

Scope

The use of orthogonal analytical techniques to characterise higher order structure in complex bio-molecules is becoming increasingly more important. This one-day symposium will examine developments in thermal and spectroscopic techniques and practices to address current scientific and regulatory challenges in bio-molecule development and quality control.

Who should attend

This symposium will be of interest to analytical, pharmaceutical and regulatory scientists involved in pharmaceutical research, development and manufacturing. It will be of particular interest to scientists and managers engaged in analytical development or quality control of complex biological molecules, where advances in analytical technologies and practices can enhance productivity, problem-solving or quality-by-design capabilities.

There will be an opportunity to present **posters** on the broad subject area of the symposium, subject to acceptance of a submitted abstract; details are on page 2. There will also be an **exhibition** and details for exhibitors are provided on the JPAG website

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

DRAFT Programme

- 09.30** Registration and coffee
- 10.00** Welcome
Ken Leiper, *Chairman, Joint Pharmaceutical Analysis Group*
- 10.05** Introduction
Chair: Dr David Elder, *GSK*
- 10.15** Glycan characterisation by spectroscopic methods
Professor Pauline Rudd, *University College Dublin*
- 10.50** Characterisation of antibody glycoforms by thermal methods
Professor Roy Jefferis, *University of Birmingham*
- 11.25** Short break (no refreshments)
- 11.35** Oligonucleotide characterisation by thermal methods
Dr Huseyin Aygun, *Biospring Gesellschaft fur Biotechnologie mBH, Frankfurt am Main*
- 12.10** Characterisation of oligonucleotides and their analogues by spectroscopic methods
Dr Elena Bichenkova, *University of Manchester*
- 12.45** Lunch, exhibition* and poster viewing***

Chair: Dr Catherine Barnes, *GSK and Thermal Methods Group*
- 13.50** Thermal characterisation of complex drug delivery formulations
Dr Vicky Kett, *Queen's University Belfast*
- 14.25** Enzyme characterisation by spectroscopic methods [title to be confirmed]
Professor Ijeoma Uchegbu, *UCL*
- 15.00** Tea break
- 15.30** Correlation of folding reversibility as determined by microcalorimetry with biological activity as determined by enzymatic assay: lysozyme and trypsin in dried forms with excipients
Dr Amal Elkordy, *University of Sunderland*
- 16.05** Closing remarks
Dr David Elder, *GSK*
- 16.15** Close

* Enquiries about **exhibiting** should be sent to the Secretariat

*** **Approved Posters** may be displayed. **Abstracts** for presentation as posters should be sent to the Programme Co-ordinator, Dr David Elder [David.P.Elder@gsk.com] by **Friday 12 October**, following the instructions on the JPAG website.

Joint Pharmaceutical Analysis Group
INFORMATION FOR DELEGATES

Registration fees

Full fee	£295
Fee for members of JPAG	£195
Fee for members of Thermal Methods Group of RSC	£195
Fee for <i>bona fide</i> student in full-time study	£45
Fee for retired or unemployed members of RSC or RPS	£45

Details on how members of RPS and RSC can join JPAG are on the JPAG website.

Registration and payment of registration fees

You can register on-line at www.jpag.org. Please SIGN IN to the site on your first visit before registering for an event; this will ensure that post-event delegate material is fully available to you. Full payment is required at the time of booking, or a Purchase Order number provided. Please pay ON-LINE by credit or debit card (via Paypal).

Notification that a booking has been accepted will be confirmed by e-mail to your registered e-mail address. If you have not received notification within five working days please contact JPAG at info@jpgag.org. An invoice confirming your registration can be downloaded from the JPAG website. If payment has not been received prior to the event, then entry to the event will be at the discretion of JPAG. Payments may also be made by bank transfer, by cheque or on invoice.

Cancellation policy

Meeting bookings once made and accepted by JPAG are liable for payment and are not refundable. However notified substitutions are permitted at any time prior to the meeting (see below). JPAG reserves the right to cancel a meeting due to circumstances beyond its control. In this case, JPAG will notify attendees by a message to their registered e-mail address at the earliest reasonable opportunity. It is the responsibility of registered delegates to monitor their e-mail and ensure their registered e-mail address is correct. A full refund of payments will be provided. However JPAG will not be liable, to the extent permitted by law, for any consequential loss or damage arising from the meeting cancellation.

Substitutions

Substitute attendees from the same organisation are accepted at any time with no administration charge. Please notify JPAG in writing via e-mail to events@jpgag.org with details of substitute attendees. Substitute attendees must possess an account or register a new account on the JPAG website in order for their booking to be processed.

No refund is payable in relation to any substitution. The full meeting rate will be applied if the substitute attendee is not eligible for a discount and any additional payment is required before a booking can be accepted.

Alterations to the programme

JPAG reserves the right to alter the meeting programme, speakers, date or venue in the event of circumstances beyond its control. For the complete Terms and Conditions, please see the JPAG website.

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. Other enquiries should be sent to enquiries@jpgag.org

Keeping you informed: The contact details you provide on SIGN IN may be used to inform you about future JPAG, RPS and RSC events, products and services by post, phone or e-mail. However, you can elect not to receive information at any time by updating your profile on the website.

JPAG symposium and conference programmes 2012

Thursday 13 September 2012

University of Nottingham

APS PharmSci 2012

Symposium sessions on “**What is the future of dissolution testing?**” and presentation of short papers in pharmaceutical analysis

Wednesday 24 October 2012

Royal Society of Chemistry

Thermal and spectroscopic characterisation of higher order structure of bio-molecules

Thursday 13 December 2012

Royal Society of Chemistry

Strategies for dealing with complexity in pharmaceutical analysis

For current information see the JPAG website: <www.jpag.org>

For some events, block bookings for students can be made by Academic supervisors; please ask for details from the Secretariat.