

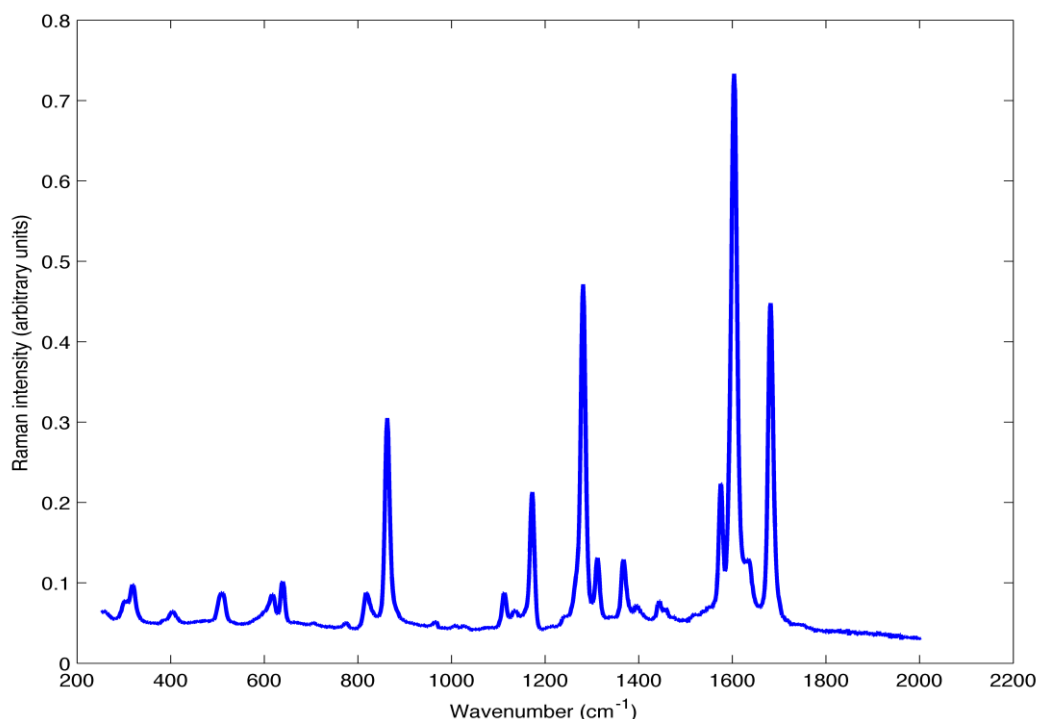


Advances in Raman spectroscopy in pharmaceutical analysis

A one day symposium to be held at
The Royal Society of Chemistry, London

Thursday 17 May 2012

Programme and Call for Posters



Organised jointly by the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS), the Joint Pharmaceutical Analysis Group (JPAG), the Royal Society of Chemistry Molecular Spectroscopy Group (MSG) and the Infrared & Raman Discussion Group (IRDG)

Scientific Committee

Dr Ian R Lewis, *Kaiser Optical Systems and FACSS*
Ken Leiper, *Benson Associates and JPAG*
John Chalmers, *VS Consulting and MSG*
Prof Mike George, *University of Nottingham and IRDG*



THE JOINT PHARMACEUTICAL ANALYSIS GROUP

<www.jpag.org>

Advances in Raman spectroscopy in pharmaceutical analysis

Scope

Raman spectroscopy has found favour in pharmaceutical analysis because it is non-destructive, requires minimal sample preparation and gives clear spectra for identification. This symposium brings together the advantages of the latest techniques of Raman Imaging, *in situ* sampling, Transmission and Spatially Offset Raman Spectroscopy and their applications, as well as the use of hand-held instruments. This includes the identification of APIs, differentiation of polymorphs, crystalline form and hydrates, the reverse engineering of products, identification of counterfeits, quantification of APIs in products and uses in PAT to ensure a quality output.

This programme demonstrates a breadth of successful Raman applications spanning the R&D field, API development, scale-up, and manufacturing, as well as drug product formulation development, characterisation, and product assay. Poster presentations and an exhibition of Raman instruments add to the value of the symposium.

Who should attend

All those with an interest in the advances in the technique and applications of Raman spectroscopy. This includes those working in the pharmaceutical industry and involved in drug discovery, drug development, QC and PAT, as well as academics and post-graduate students in the field of pharmaceutical analysis.

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

There will be an opportunity to present **posters** on the broad subject area of **spectroscopy in pharmaceutical analysis**; details are on pages 3** and 6. There will also be an **exhibition** and details for exhibitors are provided on the JPAG website.

Sponsors of the Joint
Pharmaceutical Analysis Group



RSC | Advancing the
Chemical Sciences

Programme

- 09.30** **Registration and coffee**
- 10.00** **Introduction**
Ken Leiper, Chairman, Joint Pharmaceutical Analysis Group
- 10.05** **Characterising amorphous and crystalline forms of APIs**
Dr Lynne Taylor, Purdue University, W. Lafayette, IN, USA
- 10.40** **Moving PAT from laboratory to production and getting FDA approval**
Dr John Wasylyk, Bristol-Myers Squibb, New Brunswick, NJ, USA
- 11.15** **Raman spectral imaging to characterise individual particles**
Dr Justin Pritchard, Vertex Pharmaceuticals, Cambridge, MA, USA
- 11.50** **Vendors' showcase**
Vendors to give five-minute presentations
- 12.15** **Lunch, exhibition and posters**
- 14.00** **Removing the effects of packaging to identify raw materials with Spatially Offset Raman Spectroscopy [SORS]**
Dr Pavel Matousek, Rutherford Appleton Laboratories, Harwell, Oxfordshire, UK
- 14.20** **Reverse engineering studies with Raman imaging to defend patents**
Dr Nisha Mistry, GSK, Stevenage, UK
- 14.55** **Why transmission Raman spectroscopy is the future: case studies**
Dr Elisabeth Vey, Ethypharm, France
- 15.30** **Comparison of NIR, Raman backscattering and transmission spectroscopy for the analysis of polymorphs**
Michelle Hennigan, National University of Ireland Galway, Galway, Ireland
- 16.05** **Laboratory vs hand-held instruments: what you gain and what you lose**
Dr Sulaf Assi, University of Hertfordshire, Hatfield, UK
- 16.40** **General discussion**
- 17.00** **Award of Duncan Bryant Prize and Close.**

** Enquiries about **exhibiting** and **abstracts posters** should be sent to Professor Tony Moffat [tony.moffat@pharmacy.ac.uk] by **Thursday 3 May 2012**, following the instructions on the JPAG website. Young researchers submitting posters will be eligible for the **Duncan Bryant Prize**. For details see page 6.

Federation of Analytical Chemistry and Spectroscopy Societies (FACSS), the Joint Pharmaceutical Analysis Group (JPAG), the Royal Society of Chemistry Molecular Spectroscopy Group (MSG) and the Infrared & Raman Discussion Group (IRDG)

“Advances in Raman spectroscopy in pharmaceutical analysis”, Thursday 17 May 2012

Registration form

Please send completed registration forms (one per person; fax or photocopies are accepted) to the Secretariat: Ms Gabriella Highfield, 3rd floor, Royal Pharmaceutical Society, 1 Lambeth High Street, London SE1 7JN

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

Registration fee	£195	<input type="checkbox"/>
Abstract author eligible for consideration for Duncan Bryant Prize	£95	<input type="checkbox"/>
<i>Bona fide</i> students, retired or unemployed members of RSC or RPS	£45	<input type="checkbox"/>

Details on how members of RPS 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: Please indicate method of payment:

- Credit card: secure payment may be made on-line at: www.rpharms.com/events
- 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: 0512**

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: Amy Le Vannais, Membership & Events Administrator, Tel 020 7572 2326 / 0845 257 2570; Fax: 020 7572 2506; E-mail: events@rpharms.com

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

Keeping you informed: The contact details you have provided may be used to inform you about future JPAG, RPS, RSC, FACSS and IRDG 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

This symposium has been organised jointly by the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS), the Joint Pharmaceutical Analysis Group (JPAG), the Royal Society of Chemistry Molecular Spectroscopy Group (MSG) and the Infrared & Raman Discussion Group (IRDG).

Federation of Analytical Chemistry and Spectroscopy Societies (FACSS)

FACSS was established in 1973 to combine many small meetings previously organized by individual Member Societies into one joint internationally-recognized conference that covers the whole field of Analytical Chemistry. Current Member Societies include the American Chemical Society Analytical Division, American Society for Mass Spectrometry, the Association of Analytical Chemists (ANACHEM), the Coblenz Society, International Society for Automation – Analysis Division, the Royal Society of Chemistry Analytical Division, and the Society for Applied Spectroscopy. The next meeting is SCIX 2012 in Kansas City. SCIX is the National Meeting for the Society of Applied Spectroscopy. Additional information is available at www.facss.org (FACSS) and <http://scixconference.org/#> (SCIX 2012).

Joint Pharmaceutical Analysis Group (JPAG)

The JPAG is jointly sponsored by the Royal Pharmaceutical Society and the Royal Society of Chemistry (RSC). Its remit is “to encourage assist and extend the knowledge and study of pharmaceutical analysis and quality control by the holding of scientific meetings, the promotion of lectures, practical demonstrations and discussions”. The Group, now over 40 years old, is very active, organising up to eight meetings a year addressing all aspects of pharmaceutical analysis and their applications in many related facets of medicine, control and registration. One annual event includes a short papers session, with a major prize awarded for the best presentations by less experienced analysts. <http://www.jpag.org/>

Molecular Spectroscopy Group (MSG)

The MSG is a group of the Analytical Division of the Royal Society of Chemistry (RSC). The purpose of the Group is to foster and encourage the interests of members involved in molecular spectroscopy. Its spectroscopic interests include (but are not limited to): Nuclear Magnetic Resonance Spectroscopy, Mass Spectrometry, Ion Mobility Spectrometry, Infrared, Near-Infrared and Terahertz Spectroscopy, UV / Vis Spectroscopy, Fluorescence Spectroscopy, EPR/ESR and Raman Spectroscopy. The group works together with the RSC, RSC interest groups and external organisations to deliver scientific meetings covering the latest advances in the field of Molecular Spectroscopy. <http://www.molecularspectroscopy.org.uk/>

The Infrared & Raman Discussion Group (IRDG)

The IRDG, formed in 1950, is one of the oldest independent spectroscopy groups in the UK. It is the national organisation which cares for all who are interested in the theory, practice and teaching of infrared and Raman spectroscopy. Members come from industry, government and academic institutions. There are usually three one-day meetings each year, which are held throughout the country although the Christmas meeting is traditionally held in central London. Several other meetings may be organised jointly with other relevant groups. Meeting subjects are intentionally chosen over a wide range so as to interest and inform both newcomers to the art, and those who have been practising for many years. <http://www.irdg.org/>

Duncan Bryant Prize

Those presenting posters who are under 35 years of age, or are in the early stages of their research career, may be eligible for the 3rd award of the Duncan Bryant Prize awarded by the Royal Society of Chemistry Molecular Spectroscopy Group (MSG). The prize was set up in memory of former MSG Chairman Duncan Bryant and will be given to the best poster presenter from the UK in the field of 'spectroscopy in pharmaceutical analysis', taking into account scientific content and clarity of the poster. The decision on the prize recipient will be determined at the symposium by a sub-group of the MSG Committee.

The prize is a framed print of a picture commissioned by Duncan's former employers, GlaxoSmithKline, representing different aspects of Duncan's professional and personal life together with a small cash prize.

Those who wish to be considered for the prize should send an abstract of the poster to Professor Tony Moffat [tony.moffat@pharmacy.ac.uk] together with a request to be nominated for the prize and a statement of their age and current work position by Thursday 3 May 2012.

Those submitting an abstract and qualifying for consideration for the award may register at a reduced fee.

Symposium venue

Royal Society of Chemistry, Burlington House, Piccadilly, London W1J 0BA

Venue link: <http://www.rsc.org/AboutUs/Contacts/BH.asp>

JPAG symposium and conference programmes 2012

Thursday 22 March 2012
Royal Society of Chemistry

Advances in pharmaceutical analysis

Thursday 17 May 2012
Royal Society of Chemistry

**Advances in Raman spectroscopy in
pharmaceutical analysis**

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

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.