



**UK REGIONAL SECTION  
OF THE SOCIETY FOR APPLIED SPECTROSCOPY (SAS)**

**INAUGURAL MEETING**

**Spectroscopy in BioMedical Analysis**

**May 17<sup>th</sup> 2011**

Manchester Interdisciplinary Biocentre, 131 Princess Street, The University of Manchester, M1 7DN  
(a map is given on: <https://sites.google.com/site/sasukregion/> )

10:15 ARRIVAL AND COFFEE

*Session Chair – Peter Gardner (Manchester University)*

10:55 Welcome by Host **Peter Gardner (Manchester University, UK)**

11:00 Inaugural Speech **Curtis Marcott (President of the SAS)**

11:10 Outline of UK's SAS Mission **Pavel Matousek (Chair, UK's SAS Regional Section)**

11:15 Infrared and Raman Micro-Spectroscopy for Medical Diagnosis and Imaging, and for Cell Biological Studies

**Max Diem (Northeastern University, Boston, USA) / SAS Tour Speaker**

12:00 Infrared Analysis at the Single Cell Level: The Age of Enlightenment

**Peter Gardner (Manchester University, UK)**

12:30 LUNCH

*Session Chair – Pavel Matousek (Rutherford Appleton Laboratory)*

13:30 Novel Nanorod Array Substrates as a Platform for SERS-Based Biosensing of Infectious Disease

**Richard Dluhy (University of Georgia, USA) / SAS Tour Speaker**

14:15 Functionalised Nanoparticles and Surfaces for Bioanalysis by SERS

**Duncan Graham, Strathclyde University, UK)**

14:45 Enhancing Raman Spectroscopy for Quantitative Bioanalysis

**Roy Goodacre (Manchester University, UK)**

15:15 TEA

*Session Chair – Caroline Rodger (AstraZeneca)*

15:45 Where Can Raman Spectroscopy Have an Impact in Clinical Diagnostics?

**Nicholas Stone (Gloucestershire Royal Hospital, UK)**

16:15 Nanoscale Chemical Composition Mapping at 100 nm Spatial Resolution with AFM-Based Infrared Spectroscopy

**Curtis Marcott (Light Light Solutions, Athens, GA, USA)**

16:45 END

**REGISTRATION FORM (Return by May 10<sup>th</sup>, 2011)** The registration fee is **FREE for students** (incl PhD), unemployed and retired (but all must register before the deadline), **£40 for SAS members** and **£65 for SAS nonmembers**. Payment can be made by either cheque (Payable to 'SAS UK REGIONAL SECTION') or by bank transfer (Sort code: 55-61-02 and Acc.No: 66079330).

Please note that numbers are limited and places will be allocated on the first come first served basis. Deadline for registrations is May 10<sup>th</sup>. **No registrations will be possible on the day of the meeting.** Please return registration form to John M. Chalmers, VS Consulting, 14 Croft Hills, Tame Bridge, Stokesley TS9 5NW (if paying my bank transfer please send in a fax copy of the transaction **no later than May 10<sup>th</sup> 2011**). Alternatively, please email your details to [JohnMChalmers@aol.com](mailto:JohnMChalmers@aol.com)

Please reserve ..... FREE places, ..... places at £40 and ..... places at £65 for the meeting on May 17<sup>th</sup> 2011.  
I require ..... vegetarian meals.

Attendee Name(s) and Affiliation(s) .....  
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Contact Email(s) .....  
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