



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

INAUGURAL MEETING

Spectroscopy in BioMedical Analysis

May 17th 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 10th, 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 10th. **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 by bank transfer please send in a fax copy of the transaction **no later than May 10th 2011**). Alternatively, please email your details to JohnMChalmers@aol.com

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

Attendee Name(s) and Affiliation(s)

Contact Email(s)
