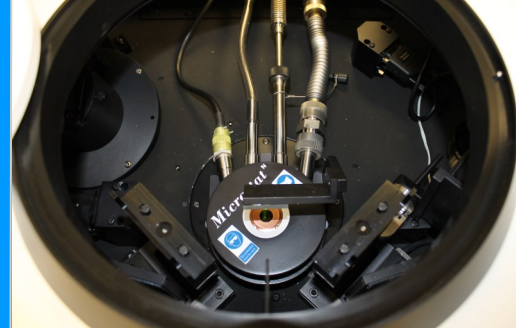


Date: Wednesday 14th and Thursday 15th October 2015

Venue: The Ricoh Arena, Coventry, CV6 6GE



THE CONFERENCE & EXHIBITION ARE FREE TO ATTEND

SUPPORTED BY:



Wednesday 14th October 2015

Exhibition registration: 08:30 and open: 10:00 to 17:00

10:30 - coffee available in the meeting room foyer -

11:00 Introduction and welcome

SESSION 1 : Nano-spectroscopy

11:10 **KEYNOTE**

SERS of biomaterials: lessons from DNA analysis

Prof Steven Bell, *Queen's University Belfast*

11:40 **Gold nanorods as photoacoustic probes to track stem cells in mice**

Dr Raphael Levy, *University of Liverpool*

12:00 **Advanced hierarchical micro-platforms for SERS diagnostics**

Dr Pola Goldberg-Oppenheim, *University of Birmingham*

12:20 - lunch break -

SESSION 2 : Frontiers in imaging

14:00 **KEYNOTE**

Multiphoton hyperspectral imaging with CARS

Prof David Richards, *King's College London*

14:30 **Holographic endo-microscopy based on multimode waveguides**

Dr Tomas Cizmar, *University of Dundee*

14:50 **Simple excitation sources for non-linear microscopy at long wavelengths**

Dr Johanna Trägårdh, *University of Strathclyde*

15:10 **Quantitative 3D super-resolution imaging of functional chromatin topology**

Dr Lothar Schermelleh, *University of Oxford*

15:30 **Flash presentations of posters**

16:00 **Poster Session in the exhibition hall**

The exhibition remains open until 17:00 and will be followed by a drinks reception.

There will be a conference dinner opportunity (more to follow).

*Title to be confirmed

Technical Programme Committee

Dr Frederic Festy

Senior Lecturer,
Dental Institute, King's
College London.

Dr Sumeet Mahajan

Associate Professor in
Life Science Interface,
University of
Southampton

Dr Brian Patton

Centre for Neural
Circuits and
Behaviour, University
of Oxford.

**Flash presentations
organiser:**

Dr Neveen Hosny,

Research Associate,
King's College London

Thursday 15th October 2015

Exhibition Open: 10:00 -17:00

09:30 coffee available in the meeting room foyer

09:55 **Welcome back and introduction to the day**

SESSION 3 : Frontiers in imaging and Biomedical Spectroscopy

10:00 *** Advanced imaging to understand spatio-temporal dynamics in cells**

Prof Rory Duncan, *Heriot-Watt University*

10:20 **Quantitative imaging of intact cardiac tissue using remote focussing microscopy**

Dr Alexander Corbett, *University of Oxford*

10:40 **Miniature fibre optic Raman probes: from cancer to jet engines**

Dr John Day, *University of Bristol*

11:00 - refreshment break in exhibition hall -

11:40 **Spatially offset Raman spectroscopy on bone**
Prof Anthony Parker, *Central Laser Facility, STFC*

12:00 **Flash presentations of posters***

12:30 - lunch break - Poster Session continues in the exhibition hall

SESSION 4 : Nano-bio-imaging

14:50 **KEYNOTE**

3D super-resolution microscopy using forbidden light

Prof Emmanuel Fort, *ESPCI ParisTech, France*

15:20 **Wide-field time-correlated single photon counting phosphorescence and fluorescence lifetime imaging**

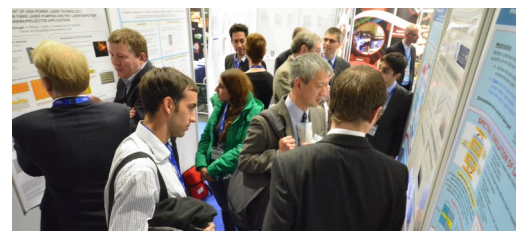
Prof Klaus Suhling, *King's College London*

15:40 **Super-resolution imaging in living bacteria using tracking PALM**

Dr Achillefs Kapanidis, *University of Oxford*

16:00 - concluding comments -

The exhibition remains open until 16:00.



ADMINISTRATION AND ORGANISATION

Brenda Hargreaves, Enlighten Meetings/Xmark Media Ltd

T: +44 (0)1372 750555 • Email: brenda@photonex.org

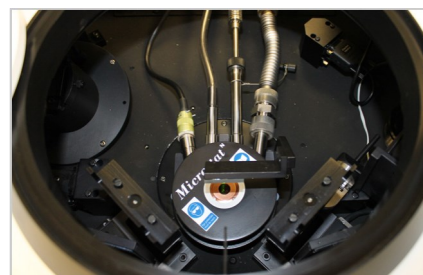
More on the website:

www.photonex.org

Nano-Spectroscopy & Bio-Imaging

Date: Wednesday 14th and Thursday 15th October 2015

Venue: The Ricoh Arena, Coventry, CV6 6GE



COMMENT

Fred Festy comments on the meeting in the planning "I really enjoyed some of the discussions last year, it was an outstanding meeting. This year we will be encouraging speakers to involve the attendees by throwing out problems they are having, we just love the 'how we can solve' aspects of this meeting."

CALL FOR ORAL PRESENTATIONS & POSTERS

This meeting will mostly be by invitation however we are keen to involve, especially, early career scientists who are researching novel and exciting new techniques or unique applications. **Flash presentations** are solicited based on such contributions which will be along the themes of the sessions and will involve a max 2-slide presentation (3 min). This will contribute to the fast moving nature of this meeting and raise the profile of young scientists in this high profile meeting. Four or five will be held at the end of each session.

Contributory papers towards flash presentations and posters are welcomed on all aspects of nano-spectroscopy and bio-imaging and will be accepted on the basis of their technical content. We particularly invite contributions in the following though not exclusive areas:

- | | |
|--|--------------------------------------|
| ■ 3D microscopy | ■ Nano-spectroscopy |
| ■ Advanced microscopy including fluorescence & multiphoton | ■ Non-linear Raman imaging |
| ■ Biomedical applications | ■ Novel Applications |
| ■ Fluorescence lifetime tomography | ■ Optical coherence tomography (OCT) |
| ■ FRET & super resolution imaging | ■ Optogenetics |
| ■ Nano-materials | ■ Surface plasmon resonance imaging |
| ■ Nano-scale Imaging | ■ Super resolution microscopy |
| | ■ Two-photon imaging |

**sorry no commercial marketing papers will be accepted.*

Paper Submission:

Email please to info@enlightenmeetings.com and quote "Paper submission / Nano-Spectroscopy & Bio-Imaging" in the subject line.

Please provide a 150-250 abstract - additionally please indicate if you wish to be considered for an oral and/or poster presentation.

Deadline for oral submissions: 20th September. Authors will receive acceptance notification within 5 days.

Deadline for poster submissions: 20th September 2015. Authors will receive acceptance notification on the 23rd September.

* Image : courtesy of Edinburgh Instruments

Join our group on

LinkedIn



MEETING ATTENDEES

To register as an attendee for this meeting please go to **WWW.PHOTONEX.ORG** and register as a visitor to the exhibition, low down in the form please tick that you are interested in this meeting.

Once registered you will be sent regular updates.

A meeting at PHOTONEX



MORE AT

www.photonex.org/nsbi

Quality Meetings. Quality Event.

FREE-OF-CHARGE FOR ALL ATTENDEES
ADVANCE REGISTRATION REQUESTED



ADMINISTRATION AND ORGANISATION

Brenda Hargreaves, Enlighten Meetings/Xmark Media Ltd
T: +44 (0)1372 750555 • Email: brenda@photonex.org

enlighten
meetings
The Xmark Media meetings team

More on the website:

www.photonex.org