



Lasers for Science Facility User Meeting 27 – 29 April 2010

Poster List

1	Mr	Rory	Arrowsmith	Single and two-photon excited fluorescence of new Zinc(II), Copper(II), Gallium(III) and Indium(III) bis(thiosemicarbazone) complexes for multimodal imaging of cancer.
2	Prof	Roger	Bisby	Interactions of the β -blocker drug propranolol with detergents, cyclodextrins and living cells using fluorescence spectroscopy and imaging
3	Mr	Kevin	Buckley	Development of Raman Spectroscopy as a Technique for Non-Invasively Monitoring Bones In Vivo
4	Dr	Ian	Clark	EPSRC Laser Loan Pool
5	Dr	Dave	Clarke	The OCTOPUS Imaging Cluster
6	Dr	Dave	Clarke	Correlative Laser, Electron, and X-Ray Microscopy
7	Dr	Dave	Clarke	The Imaging Solutions Centre – STFC's Gateway Centre for Imaging on the Harwell Campus
8	Mr	John Owusu	Danquah	Autographa californica nucleopolyhedrovirus capsid proteins VP39 and EXON0 recruit Kinesin-1 during anterograde trafficking in insect cells using FRET-FLIM
9	Dr	Martin	Davis	Photochemistry of nitrogen rich molecules
10	Dr	Greg	Greetham	ULTRA Facility Development to Current Operations
11	Dr	Derren	Heyes	Spectroscopic analysis of the catalytic cycle of the light-driven enzyme protochlorophyllide oxidoreductase
12	Mr	Zhiyuan	Hu	Noncovalent functionalisation of purified and filled carbon nanotubes by fluorescent and biocompatible hosts for molecular imaging application
13	Mr	Oliver	Hunt	The application of Raman laser tweezers in climate studies
14	Dr	Fyaz Mahmood Daud	Ismail	Quantification of Heme:antimalarial Drug receptor geometry by Crystallography, DFT and Spectroscopic Methods in vitro and in silico
15	Dr	Neil	Kad	Direct imaging of single quantum dot labelled nucleotide excision repair proteins locating damage
16	Mr	Páraic	Keane	Time-resolved infrared spectroscopy of cytosine-rich nucleic acid
17	Dr	Paul	Low	"Guilty as Charged: The case of bridging ligand non-innocence in 'mixed valence' systems"
18	Dr	Marisa	Martin-Fernandez	Single molecule fluorescence imaging of molecular interactions and conformation in mammalian cells and human tissue
19	Mr	Nitzan	Mayorkas	Raman spectral signatures as conformational probes of gas phase flexible molecule
20	Dr	Sofia	Pascu	Assembling Supramolecular Complexes for Biomedical Applications: The Noncovalent Functionalisation of Carbon Nanotubes with Biocompatible Hosts Zhiyuan H
21	Mr	Mark	Pollard	Optically trapped probe for dynamic force measurement with minimal sample exposure to laser light
22	Mr	Peter	Portius	Photochemistry of nitrogen rich molecules
23	Dr	Mary	Pryce	A TRIR and Tr2DIR study of the excited state dynamics leading to CO loss and ultimate Chelate formation in (Allylbenzene)Cr(CO) ₃
24	Dr	Svemir	Rudic	Title: Measurements of the wavelength dependent extinction of aerosols by cavity ring down spectroscopy
25	Mr	Ian	Stewart	Ultrafast Transient 2D-IR hydrogenase enzyme model compounds Ian Stewart University of Strathclyde
26	Dr	Mike	Towrie	TRMPS (Time Resolved Multiple Probe Spectroscopy) A New Facility Capability Within The RCaH
27	Dr	Tamas	Vidoczy	Influence of cyanide-substitution on the fluorescence lifetime of 7-amino-coumarin derivative
28	Dr	Michal	Wojdyla	Transient absorption spectroscopy of chiral CdSe quantum dots
29	Mr	Rahul	Yadav	Studies of the specific signalling pathways involving PI3K and mTOR using FLIM-FRET