

# LASERS for SCIENCE FACILITY RAL-BASED SCHEDULE PERIOD I 2007

Date	Confocal Microscopy Laboratory	Raman Tweezers Laboratory	Ultrafast Spectroscopy Laboratory	Date
Mar 26	Laser Installation		K REID US31C2/06 (Nottingham) Time-resolved photoelectron velocity-map imaging with improved resolution	Mar 26
Apr 02				Apr 02
Apr 09		W HUANG CM10B1/07 (Oxford) Raman spectroscopic signals from individual bacterial cells		Apr 09
Apr 16	MAINTENANCE	MAINTENANCE		Apr 16
Apr 23			P MATOUSEK US5B1/07 (CLF) New chemically specific tomography method for non-invasive probing of tissue and powders	Apr 23
Apr 30		M KING CM4E1/07 (RHUL)		Apr 30
May 07**		Oxidation of HuLIS in atmospheric aerosols		May 07
May 14	P O'NEILL CM5B1/07 (MRC)	P GARDNER CM9MD1/07 (Manchester) Combined optical tweezers and Raman spectroscopy for prostate cancer diagnosis	R BISBY US33B2/06 (Salford)Serotonin detection in biofluids	May 14
May 21	Dynamics of assembly of repair proteins to genomic DNA damage		T DINES US1MT1/07 (Dundee) Fundamental and applied studies of hyper-Raman scattering	May 21
May 28 **				May 28
June 04	D PHILLIPS CM11B1/07 (ICL) Fluorescence lifetime imaging studies of cellular mechanism of PDT	M KING CM4E1/07 (RHUL)	MAINTENANCE	June 04
June 11		C BAIN CM1C1/07 (Durham) Oil nanothreads	K THOMPSON US24B2/06 (Birbeck) Fluorescence quenching of nucleobase analogues	June 11
June 18			A VLCEK US8C1/07 (QMUL) Acceleration of electron transfer in proteins	June 18
June 25		J SANDERSON CM6B1/07 (Durham) Raman studies of membrane proteins and peptides	N HUNT US4C1/07 (Strathclyde) Ultrafast 2D-IR study of hydrogenase enzyme model compounds	June 25
July 02	R BISBY CM2B1/07 (Salford) Serotonin detection in biofluids			
July 09		C BAIN CM1C1/07 (Durham) Oil nanothreads		July 09
July 16	C STUBBS CM7B1/07 (Oxford) Time-resolved fluorescence anisotropy imaging of membrane systems			July 16
July 23	P O'NEILL CM5B1/07 (MRC)		MAINTENANCE	July 23
July 30	MAINTENANCE	MAINTENANCE	J VAN THOR US7B1/07 (Oxford) FSRS of primary photoreception events	July 30
Aug 06	C STUBBS CM7B1/07 (Oxford) Time-resolved fluorescence anisotropy imaging of membrane systems			Aug 06
Aug 13		J SANDERSON CM6B1/07 (Durham)		Aug 13
Aug 20		W HUANG CM10B1/07 (Oxford) Raman spectroscopic signals from individual bacterial cells	M WARD US10C1/07 (Sheffield) New ruthenium dyes for dye-sensitised solar cells: excited state and charge-injection dynamics	Aug 20
Aug 27		A WAGNER CM8B1/07 (Dia) The manipulation of protein crystals using optical tweezers		Aug 27
Sept 03	MAINTENANCE	MAINTENANCE	K RONAYNE US12T1/07 (CLF) Transient absorption microscopy	Sept 03
Sept 10	R BISBY CM2B1/07 (Salford)			Sept 10
Sept 17				Sept 17

**Deadline for Period II 2007 (for scheduling 24<sup>th</sup> Sept 2007 to 24<sup>th</sup> March 2008) is 2<sup>nd</sup> July 2007**