

# NST PART IB BIOCHEMISTRY AND MOLECULAR BIOLOGY

## LECTURE TIMETABLE 2011-12

All lectures 10.00 am in the Sanger Building Lecture Theatre, Department of Biochemistry,  
Old Addenbrooke's site. Entrance from Tennis Court Road.

Note that some lectures begin earlier in Term, and end later in Term, than is usual.  
This is to allow more time between the end of the course and the examinations.

Course Organiser: Michaelmas Term, Prof. R. W. Farndale ([rwf10@cam.ac.uk](mailto:rwf10@cam.ac.uk))  
Lent & Easter Terms, Dr T. R. Hesketh ([trh12@bioc.cam.ac.uk](mailto:trh12@bioc.cam.ac.uk))

<b>MICHAELMAS TERM Genes and proteins; macromolecules in action</b>			
First Lecture of the Term is on <b>Friday</b> October 7; Last Lecture on <b>Friday</b> December 2.			
Date	Number	Title	Lecturer
Oct. 7		Introduction to the course (in lecture 1)	Prof. R. Farndale
Oct. 7, 10, 12, 14, 17	5	Gene cloning and manipulation	Dr B. Hendrich
Oct. 19, 21, 24, 26, 28	5	Nucleic acid structure, protein-nucleic acid interactions and transcription	Prof. C. W. J. Smith
Oct. 31, Nov. 2, 4, 7, 9	5	Post transcriptional control of gene expression	Dr J. Mata
Nov. 11, 14, 16, 18, 21	5	Protein structure, flexibility and function	Dr M. Hyvonen
Nov. 23, 25, 28, 30, Dec. 2	5	Enzyme catalysis and protein engineering	Dr F. Hollfelder

<b>LENT TERM Energy transduction, cell signalling and cell proliferation</b>			
First Lecture on <b>Wednesday</b> January 18; Last Lecture on <b>Friday</b> March 1			
Date	Number	Title	Lecturer
January 18, 20, 23, 25, 27, 30	6	Energy transduction in bacteria, mitochondria and chloroplasts	Dr G. C. Brown
February 1, 3, 6, 8, 10, 13	6	Control of metabolism	Prof. K. M. Brindle
February 15, 17, 20, 22, 24, 27	6	Transmembrane signalling; molecules and mechanisms	Dr S. Lummis
February 29, March 2, 5, 7	4	Control of eukaryotic cell growth	Dr D. M. Carrington
March 9, 12, 14, 16	4	Oncogenes, tumour suppressor genes and cancer	Prof. G. Evan and Dr T. Littlewood

<b>EASTER TERM Biochemistry of Microorganisms</b>			
First Lecture on <b>Wednesday</b> April 25; Last Lecture on <b>Monday</b> May 14			
Date	Number	Title	Lecturer
April 25, 27, 30	3	Bacterial chemotaxis	Dr K. Lipkow
May 2, 4	2	Bacterial signalling and secretion systems	Prof. G. P. C. Salmond
May 7, 9, 11, 14	4	Molecular biology of protozoa	Dr D. M. Carrington

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