

MVSTIA MOLECULES IN MEDICAL SCIENCE (MIMS) 2011-12

Course Organiser: Prof E. Laue . Department of Biochemistry (E-mail edl1@bioc.cam.ac.uk),

Lectures are on Monday at 12.00 and Tuesday, Thursday at 09.00
in the Babbage Lecture Theatre, New Museums site, unless noted otherwise below.

MICHAELMAS TERM			
Oct. 6 NOTE. This Lecture is at 12.00	(1)	Introduction to MIMS: course aims, content, organisation, and assessment	Dr F. J. Livesey
Metabolism in Health and Disease			
Oct. 10, 11	(2)	Prologue. Diabetes mellitus as a metabolic disease	Dr G. Yeo
Oct. 13, 17, 18, 20, 24, 25	(6)	Introduction to macromolecules. Protein structure and enzyme catalysis	Prof E. D. Laue (Lecture 1) Dr J. McCafferty(Lectures 2-6)
Oct. 27, 31, Nov. 1, 3, 7, 8, 10, 14	(8)	Bioenergetics and metabolism	Dr R.W. Broadhurst (Lecture 1) Prof. P. Leadlay (Lectures 2-8)
Nov. 15, 17	(2)	Nutrition	Dr D. Pereira
Nov. 21, 22, 24, 28, 29	(5)	Membrane dynamics and function; signalling by hormones	Prof. R. F. Irvine
Dec. 1	(1)	Epilogue	Dr G. Yeo

LENT TERM Macromolecules in Health and Disease			
Jan. 19, 23	(2)	Prologue. Cancer as a molecular disease	Dr T. Littlewood
Jan. 24, 26, 30, 31, Feb. 2	(5)	Organisation, replication and repair of genomes	Dr. L. Pellegrini
Feb. 6, 7, 9, 13, 14	(5)	Transcription, translation and control	Dr E. Miska
Feb. 16, 20, 21	(3)	Control of proliferation and death in cancer cells	Prof. A. H. Wyllie
Feb. 23, 27	(2)	Proteins and molecular recognition	Dr J. McCafferty
Feb. 28, Mar. 1, 5, 6, 7 NOTE. Wednesday March 7 lecture is at 12.00	(5)	Genetics in human and animal medicine	Dr D. Crowther/ Dr C. Sargent
Mar. 12	(1)	Mesologue: cancer therapy	Prof. A. H. Wyllie

EASTER TERM Macromolecules in Health and Disease (continued)			
Apr. 26, 30, 1, 3	(4)	Genetics in human and animal medicine, continued.	Dr D. Crowther/ Dr C. Sargent