

MIMS Lecture Timetable 2022-23

Course Administrators: Heather Platt and Kiranmai Mogula (ug-admin@bioc.cam.ac.uk)
Lectures are on **Monday at 12:00** and **Tuesday and Thursday at 09:00 (Babbage LT)**

MICHAELMAS TERM: Metabolism in Health and Disease

Oct 6 NOTE: This Lecture is at 12.00	(1)	Introduction to MIMS: course aims, content, organisation, and assessment	Andrew Grace Daniel Nietlispach
Oct 10, 11	(2)	Prologue: Diabetes mellitus as a metabolic disease	Giles Yeo
Oct 13, 17, 18, Oct 20, 24, 25	(6)	Introduction to macromolecules: Protein structure and enzyme catalysis	Helen Mott
Oct 27, 31, Nov 1, 3, 7, 8, 10, 14	(8)	Bioenergetics and metabolism	Bill Broadhurst (1) Kathryn Lilley (2-4) Florian Hollfelder (5-7) Giles Yeo (8)
Nov 15, 17, 21, 22, 24	(5)	Membrane dynamics and function; signalling by hormones	Sarah Lummis
Nov 28, 29	(2)	Proteins and molecular recognition	Helen Mott
Dec 1	(1)	Epilogue	Giles Yeo

LENT TERM: The Genome in Health and Disease

Jan 19	(1)	Prologue: Cancer as a molecular disease	Trevor Littlewood
Jan 23, 24, 26, 30, 31	(5)	Organisation, replication and repair of genomes	Luca Pellegrini
Feb 2, 6, 7, 9, 13	(5)	Transcription, translation and control	Eric Miska
Feb 14, 16, 20, 21, 23, 27, 28	(7)	Genetics in human and animal medicine	Elizabeth Murchison (1-4) Christine Farr (5-7)
Mar 2, 6, 7, 9	(4)	Cell Cycle and Cell Death	Philip Zegerman
Mar 13	(1)	Molecular biology of cancer	Trevor Littlewood
Mar 14	(1)	Nutrition lecture	Alun Williams

EASTER TERM: Translating biochemistry and genetics to the clinic

Apr 27, May 1	(2)	Translating to the Clinic	TBC
May 2	(1)	Nutrition and Preventive Medicine; Clinical Aspects of Energy Metabolism in Animals	Nick Wareham (medics) TBC (vets)
May 4	(1)	Genetics revision session and preparation for exams	Elizabeth Murchison and Christine Farr
May 8	(1)	Revision session	Sarah Lummis
May 9	(1)	Exam Strategy and Revision session	Daniel Nietlispach

MIMS Practical Timetable 2022-23

Please note that the practicals and Problem Based Learning (PBL) sessions are a compulsory part of the course, with a minimum level of attendance set at 80%.

Please ensure that you register your attendance for each session.

The MIMS practical course has several components, as described in the introduction to this handbook. During the year there will be

- 3 practical sessions,
- 3 discussion sessions linked to the practicals,
- 2 problem-based-learning exercises (PBL), and
- 1 computer-based exercise.

Michaelmas Term	Problem-based learning 1	A topic related to Michaelmas Term lectures
	Practical 1 and associated discussion session	Proteins in biochemistry and medicine
Lent Term	Problem-based learning 2	A topic related to Lent Term lectures
	Practical 2 and associated discussion session	Mitochondria and metabolism
Easter Term	Practical 3 and associated discussion session	DNA analysis: PCR and restriction mapping
	Computer-based exercise	Bioinformatics

Essential Preparation for Practical Classes – you **MUST** act on these points:

- (i) Before your first laboratory-based practical session you **MUST** read the pages about SAFETY at the start of the Handbook. **Then fill out the important practical forms on Moodle [here](#)**. You must wear a laboratory coat and safety spectacles for all practicals.
- (ii) You should also read the introductory material in advance of the first practical, and the pages that refer to each practical before the practical session.
- (iii) The MIMS Moodle Site has a link to a [video about the pipettes](#) that you will use in your practicals. Please ensure you view this in advance of the first session.

STUDENT ALLOCATION TO PRACTICAL SESSIONS

You will have been notified of the SET to which you have been assigned for practical sessions. These **SETS** are designated **M1-M18 for medics** and **V1-V4 for vets**. The SETS are combined into GROUPS and allocated to the components of the MIMS practical course as shown in the tables for each term set out below.

Note on times and venues

- All **practical sessions** are 10:00-12:00 and 14:00-16:00 in the Teaching Classroom/Laboratory (Hopkins Building). All members of a GROUP attend the same session.
- All **practical discussions** are 10:00-12:00 (**Michaelmas and Lent term practical discussions will take place in the Stephenson Room, Hopkins building, while the Easter term practical discussion will take place in the Hopkins Teaching Laboratory**). All members of a GROUP attend the same session.
- **PBL sessions**_(MT and LT) are 14:00-16:00. Each Group is halved in size to its component SETS for the PBL sessions, which are held, in parallel, in the following rooms: **Teaching Rooms 1 and 2** in the Hopkins building (just upstairs from the MIMS Teaching Laboratory)
- The **computer-based sessions** are held in the **Bioinformatics teaching room in the Craik-Marshall Building**. Students are assigned to a morning (10:00-12:00) or afternoon (14:00-16:00) session.

Failure to attend the sessions could result in you failing the course

If you are prevented from attending a compulsory session by circumstances beyond your control, please inform your Director of Studies/Tutor at the earliest opportunity, and fill out [this Google form](#). The form is also on Moodle [here](#). It is sometimes possible, given good reason and sufficient notice, for a student to attend a different session from that normally assigned.

MIMS Practicals and PBLs – Michaelmas Term 2022:

GROUP	PBL1 launch 14:00-16:00 (Teaching Rm 1&2)	Practical 1 10:00-12:00 & 14:00-16:00 (Lab)	PBL1 report 14:00-16:00 (Teaching Rm 1&2)	Discussion 1 10:00-12:00 (Stephenson)
Group A = Set M1 + Set M2	M1 Mon 24 Oct 2-4 in M2 Mon 24 Oct 2-4 in	Mon 31 Oct	M1 Mon 7 Nov 2-4 in M2 Mon 7 Nov 2-4 in	Mon 14 Nov
Group B = Set M3 + Set M4	M3 Tue 25 Oct 2-4 in M4 Tue 25 Oct 2-4 in	Tue 1 Nov	M3 Tue 8 Nov 2-4 in M4 Tue 8 Nov 2-4 in	Tue 15 Nov
Group C = Set V1 + Set V2	V1 Wed 26 Oct 2-4 in V2 Wed 26 Oct 2-4 in	Wed 2 Nov	V1 Wed 9 Nov 2-4 in V2 Wed 9 Nov 2-4 in	Wed 16 Nov
Group D = Set M5 + Set M6	M5 Thu 27 Oct 2-4 in M6 Thu 27 Oct 2-4 in	Thu 3 Nov	M5 Thu 10 Nov 2-4 in M6 Thu 10 Nov 2-4 in	Thu 17 Nov
Group E = Set M7 + Set M8 + Set M9 + Set M10	M7 & M8 Fri 28 Oct 2-4 in M9 & M10 Fri 28 Oct 2-4 in	Fri 4 Nov	M7 & M8 Fri 11 Nov 2-4 in M9 & M10 Fri 11 Nov 2-4 in	Fri 18 Nov
Group F = Set M13 + Set M14	M13 Mon 17 Oct 2-4 in M14 Mon 17 Oct 2-4 in	Mon 24 Oct	M13 Mon 31 Oct 2-4 in M14 Mon 31 Oct 2-4 in	Mon 7 Nov
Group G = Set M15 + Set M16	M15 Tue 18 Oct 2-4 in M16 Tue 18 Oct 2-4 in	Tue 25 Oct	M15 Tue 1 Nov 2-4 in M16 Tue 1 Nov 2-4 in	Tue 8 Nov
Group H = Set V3 + Set V4	V3 Wed 19 Oct 2-4 in V4 Wed 19 Oct 2-4 in	Wed 26 Oct	V3 Wed 2 Nov 2-4 in V4 Wed 2 Nov 2-4 in	Wed 9 Nov
Group I = Set M17 + Set M18	M17 Thu 20 Oct 2-4 in M18 Thu 20 Oct 2-4 in	Thu 27 Oct	M17 Thu 3 Nov 2-4 in M18 Thu 3 Nov 2-4 in	Thu 10 Nov
Group J = Set M11 + Set M12	M11 Fri 21 Oct 2-4 in M12 Fri 21 Oct 2-4 in	Fri 28 Oct	M11 Fri 4 Nov 2-4 in M12 Fri 4 Nov 2-4 in	Fri 11 Nov

MIMS Practicals and PBLs – Lent Term 2023

Set composition of groups	PBL 2 launch 14:00-16:00 (Teaching Rm 1&2)	Practical 2 10:00-12:00 & 14:00-16:00 (Lab)	PBL2 report 14:00-16:00 (Teaching Rm 1&2)	Discussion 2 10:00-12:00 (Stephenson)
Group A = Set M1 + Set M2	M1 Mon 23 Jan 2-4 M2 Mon 23 Jan 2-4	Mon 30 Jan	M1 Mon 6 Feb 2-4 M2 Mon 6 Feb 2-4	Mon 13 Feb
Group B = Set M3 + Set M4	M3 Tue 24 Jan 2-4 M4 Tue 24 Jan 2-4	Tue 31 Jan	M3 Tue 7 Feb 2-4 M4 Tue 7 Feb 2-4	Tue 14 Feb
Group C = Set V1 + Set V2	V1 Wed 25 Jan 2-4 V2 Wed 25 Jan 2-4	Wed 1 Feb	V1 Wed 8 Feb 2-4 V2 Wed 8 Feb 2-4	Wed 15 Feb
Group D = Set M5 + Set M6	M5 Thu 26 Jan 2-4 M6 Thu 26 Jan 2-4	Thu 2 Feb	M5 Thu 9 Feb 2-4 M6 Thu 9 Feb 2-4	Thu 16 Feb
Group E = Set M7 + Set M8 + Set M9 + Set M10	M7 & M8 Fri 27 Jan 2-4 M9 & M10 Fri 27 Jan 2-4	Fri 3 Feb	M7 & M8 Fri 10 Feb 2-4 M9 & M10 Fri 10 Feb 2-4	Fri 17 Feb
Group F = Set M13 + Set M14	M13 Mon 30 Jan 2-4 M14 Mon 30 Jan 2-4	Mon 6 Feb	M13 Mon 13 Feb 2-4 M14 Mon 13 Feb 2-4	Mon 20 Feb
Group G = Set M15 + Set M16	M15 Tue 31 Jan 2-4 M16 Tue 31 Jan 2-4	Tue 7 Feb	M15 Tue 14 Feb 2-4 M16 Tue 14 Feb 2-4	Tue 21 Feb
Group H = Set V3 + Set V4	V3 Wed 1 Feb 2-4 V4 Wed 1 Feb 2-4	Wed 8 Feb	V3 Wed 15 Feb 2-4 V4 Wed 15 Feb 2-4	Wed 22 Feb
Group I = Set M17 + Set M18	M17 Thu 2 Feb 2-4 M18 Thu 2 Feb 2-4	Thu 9 Feb	M17 Thu 16 Feb 2-4 M18 Thu 16 Feb 2-4	Thu 23 Feb
Group J = Set M11 + Set M12	M11 Fri 3 Feb 2-4 in M12 Fri 3 Feb 2-4 in	Fri 10 Feb	M11 Fri 17 Feb 2-4 in M12 Fri 17 Feb 2-4 in	Fri 24 Feb

MIMS Practicals – Easter Term 2023

IMPORTANT NOTE: For each student the **practical and corresponding discussion** in Michaelmas and Lent terms are separated by 2 weeks and occur on the same week day. For Easter term the pattern is more varied.. **Please be alert to this and check your online timetable carefully.**

Set composition of groups	Practical 3 10:00-12:00 & 14:00-16:00 (Lab)	Discussion 3 10:00-12:00 (Lab)
Set V1 Set V2	3 May 3 May	11 May 11 May
Set V3 Set V4	8 May 8 May	16 May 16 May
Set M1 Set M2	1 May 1 May	22 May 22 May
Set M3 Set M4	9 May 9 May	23 May 23 May
Set M5 Set M6	27 April 27 May	10 May 15 May
Set M7 Set M8	26 April 26 April	15 May 15 May
Set M9 Set M10	28 April 28 April	12 May 12 May
Set M11 Set M12	5 May 5 May	19 May 19 May
Set M13 Set M14	26 April 28 April	10 May 12 May
Set M15 Set M16	2 May 2 May	17 May 17 May
Set M17 Set M18	4 May 4 May	18 May 18 May

**Computer-based exercise.
10-12pm (first group of day)
and 2-4pm (second group of
day). (Craik Marshall building)**

Mon 8 May 10:00-12:00
Set M7 + Set M8 + Set M13
Mon 8 May 14:00-16:00
Set V1 + Set V2

Tue 9 May 10:00-12:00
Set M5 + Set M15
Tue 9 May 14:00-16:00
Set M14 + Set M16

Wed 10 May 10:00-12:00
Set M4, Set M17
Wed 10 May 14:00-16:00
Set M6 + Set M11

Thu 11 May 10:00-12:00
Set V3 + Set V4
Thu 11 May 14:00-16:00
Set M2 + Set M18

Fri 12 May 10:00-12:00
Set M3 + Set M12
Fri 12 May 14:00-16:00
Set M1 + Set M9 + Set M10

Summary Timetable of Practicals MIMS 2022-23

MICHAELMAS TERM			
Week	Activity	Venue	Staff
Mon 17 Oct - Fri 21 Oct	PBL1 Launch week 1 (Wed 19 Oct, Vets)	Teaching Rooms 1 & (Hopkins)	Giles Yeo & colleagues
Mon 24 Oct - Fri 28 Oct	PBL1 Launch week 2 (Wed 26 Oct, Vets)	Teaching Rooms 1 & 2 (Hopkins)	Giles Yeo & colleagues
	Practical 1 lab week 1	Lab (Hopkins)	Tony Jackson
Mon 31 Oct - Fri 4 Nov	PBL1 Reporting week 1 (Wed 2 Nov, Vets)	Teaching Rooms 1 & 2 (Hopkins)	Giles Yeo & colleagues
	Practical 1 lab week 2	Lab (Hopkins)	Luca Pellegrini
Mon 7 Nov - Fri 11 Nov	PBL1 Reporting week 2 (Wed 9 Nov, Vets)	Teaching Rooms 1 & 2 (Hopkins)	Giles Yeo & colleagues
	Practical 1 discussion week 1	Stephenson Room (Hopkins)	Tony Jackson
Mon 14 Nov - Fri 18 Nov	Practical 1 discussion week 2	Stephenson Room (Hopkins)	Luca Pellegrini
LENT TERM			
Week	Activity	Venue	Staff
Mon 23 Jan - Fri 27 Jan	PBL2 Launch week 1 (M, Tu, Th, F) (Wed 25 Jan, Vets)	Teaching Rooms 1 & 2 (Hopkins)	Tony Jackson & colleagues
			David Sargan & colleague
Mon 30 Jan - Fri 3 Feb	PBL2 Launch week 2 (M, Tu, Th, F) (Wed 1 Feb, Vets)	Teaching Rooms 1 & 2 (Hopkins)	Tony Jackson & colleagues
			David Sargan & colleague
	Practical 2 lab week 1	Lab (Hopkins)	Helen Mott
Mon 6 Feb - Fri 10 Feb	PBL2 Reporting week 1 (M, Tu, Th, F) (Wed 8 Feb, Vets)	Teaching Rooms 1 & 2 (Hopkins)	Tony Jackson & colleagues
			David Sargan & colleague

	Practical 2 lab week 2	Lab (Hopkins)	Ross Waller
Mon 13 Feb – Fri 17 Feb	PBL2 Reporting week 2 (M, Tu, Th, F) (Wed 15 Feb, Vets)	Teaching Rooms 1 & 2 (Hopkins)	Tony Jackson & colleagues David Sargan & colleague
	Practical 2 discussion week 1	Stephenson Rm (Hopkins)	Helen Mott
Mon 20 Feb – Fri 24 Feb	Practical 2 discussion week 2	Stephenson Rm (Hopkins)	Ross Waller

EASTER TERM

Week	Activity	Venue	Staff
Wed 26 - Fri 28 Apr Mon 1, Tue 2 May	Practical 3 lab week 1	Lab (Hopkins)	Kathryn Lilley
Wed 3 May - Fri 5 May Mon 8, Tue 9 May	Practical 3 lab week 2	Lab (Hopkins)	Darerca Owen
Wed 10 - Fri 12 May Mon 15, Tue 16 May	Practical 3 discussion week 1	Lab (Hopkins)	Kathryn Lilley
Wed 17 - Fri 19 May Mon 22 Tue 23 May	Practical 3 discussion week 2	Lab (Hopkins)	Darerca Owen
Mon 8 - Fri 12 May	Bioinformatics	Craik Marshall building, Downing site	Bill Broadhurst

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