

## Timetables

### BMB Lecture Timetable 2022-23

Please direct any timetable queries to: [ug-admin@bioc.cam.ac.uk](mailto:ug-admin@bioc.cam.ac.uk)

All lectures start at **10:00** in the Jean Thomas Lecture Theatre, and will be live-streamed (and recorded) via Panopto through the BMB Moodle site. There will be an opportunity to ask the lecturer questions in-person immediately after each lecture.

MICHAELMAS TERM: Genes and proteins; macromolecules in action				
<i>First Lecture on Friday, October 7<sup>th</sup>; Last Lecture on Wednesday, November 30<sup>th</sup> 2022</i>				
Date	No.	Title	Lecturer	Most relevant techniques posters
Oct 7		Introduction to the course (online on Moodle <a href="#">here</a> )	Dee Scadden	
Oct 7, 10, 12, 14, 17	5	Gene cloning and manipulation	Dee Scadden	1, 2, 4, 9, 13, 15, 16, 17, 19, 21, 20, 22, 26, 28, 29, 30, 31, 33
Oct 19, 21, 24, 26, 28	5	Nucleic acid structure, protein-nucleic acid interactions and transcription	Chris Smith	5, 7, 17, 22, 25, 26, 27
Oct 31, Nov 2, 4, 7, 9	5	Post transcriptional control of gene expression	Alex Borodavka and Ben Luisi	
Nov 11, 14, 16, 18, 21	5	Protein structure, function and evolution	Nick Gay	
Nov 23, 25, 28, 30	4	Enzyme catalysis and protein Engineering	Florian Hollfelder	

<b>LENT TERM: Energy transduction, cell signalling and cell proliferation</b> <i>First Lecture on Wednesday, January 18<sup>th</sup>; Last Lecture on Monday, March 13<sup>th</sup> 2023</i>				
<b>Date</b>	<b>No.</b>	<b>Title</b>	<b>Lecturer</b>	<b>Most relevant Techniques Posters</b>
Jan 18, 20, 23, 25, 27	5	Control of metabolism	Bill Broadhurst	
Jan 30 Feb 1, 3, 6, 8, 10	6	Energy transduction in bacteria, mitochondria and chloroplasts	Chris Howe	
Feb 13, 15, 17, 20, 22	5	Transmembrane signalling; molecules and mechanisms	Sarah Lummis	
Feb 24, 27, Mar 1, 3	4	Control of eukaryotic cell growth	Mark Carrington	
Mar 6	1	Immunology lecture 1: introduction to immunology	Marc de la Roche	
Mar 8, 10, 13	3	Oncogenes, tumour suppressor genes and cancer	Trevor Littlewood, Marc de la Roche	

<b>EASTER TERM: When biology is not what you expect</b> <i>First Lecture on Wednesday, April 26<sup>th</sup>; last lecture on May 8<sup>th</sup> 2023</i>				
<b>Date</b>	<b>No.</b>	<b>Title</b>	<b>Lecturer</b>	<b>Most relevant Techniques Posters</b>
April 26, 28	2	How the other three quarters lives - how protists break the rules of biochemistry	Chris Howe	
May 1, 3, 5	3	Bacterial chemotaxis	Martin Welch	

### BMB Practical Timetable 2022-23

Practical sessions commence daily at **12 noon**, *unless stated otherwise*.

MICHAELMAS TERM 2022			
Dates	Practical	Senior Demonstrator	Most relevant techniques posters
<b>Week 1</b> October 6 – 12	<b>Safety</b> Cloning of Oct1 POU domain gene into <i>E. coli</i> plasmid. Restriction mapping of plasmid.	Dee Scadden	2, 15, 26
<b>Week 2</b> October 13 – 19	Expression of POU domain in <i>E. coli</i> . Melting properties of DNA.	Ben Luisi	
<b>Week 3</b> October 20 – 26	Using Online Databases as Tools (13:30-16:30) Venue: <b>Colman Library, Hopkins</b>	Dee Scadden	13, 26
<b>Week 4</b> October 27 – November 2	Experimental Design (morning), <b>online</b>  Chemistry session: Reactivity and enzyme catalysis (14:00-16:00) Venue: <b>Perham Room, Sanger</b>	Dee Scadden  Katherine Stott	
<b>Week 5</b> November 3 – 9	Journal Club (14:00-16:00) Venue: <b>see Moodle (Sanger Meeting Rooms A/B, Hopkins Seminar Room 2)</b>	Staff	22, 34
<b>Week 6</b> November 10 – 16	Purification of POU domain	Nick Gay	13, 1, 3, 15
<b>Week 7</b> November 17 – 23	Electrophoresis mobility shift assay  Discussion of weeks 1-3, 6-7	Mairi Kilkenny  Darerca Owen	5, 7, 13, 15, 16, 18, 20, 22, 28
<b>Week 8</b> November 24 – 30	Cell signalling and gene expression	Marc de la Roche	

LENT TERM 2023			
Dates	Practical	Senior Demonstrator	Most relevant techniques posters
<b>Week 1</b> January 19 – 25	Kinetic analysis of catalysis by chymotrypsin	Daniel Nietlispach	15
<b>Week 2</b> January 26 – February 1	Journal Club (14:00-16:00) Venue: <b>See Moodle (Sanger Meeting Rooms A/B, Hopkins Seminar Room 2)</b>	Staff	
<b>Week 3</b> February 2 – 8	Protein structure by molecular graphics (12:00-16:00) <b>Craik Marshall Building</b>	Bill Broadhurst	
<b>Week 4</b> February 9 – 15	Metabolic Control <i>in silico</i> (13:30-16:30) <b>Colman library, Hopkins</b>	Bill Broadhurst	
<b>Week 5</b> February 16 – 22	Mitochondrial oxidative phosphorylation	Paolo Bombelli	
<b>Week 6</b> February 23 – March 1	Cell signalling (1)	Sarah Lummis	15, 33
<b>Week 7</b> March 2 – 8	Cell signalling (2)	Sarah Lummis, TBC	10, 37, 38, 1, 19, 35, 28, 33
<b>Week 8</b> March 9 – 15	Cell signalling (3), Immunology lecture 2	TBC, Marc de la Roche	10, 37, 38, 1, 19, 35, 28, 33

EASTER TERM 2023			
Dates	Practical	Senior Demonstrator	Most relevant techniques posters
<b>Week 1</b> April 27 – May 3	BMB Escape Room (with prizes), (14:00 until you escape!) <b>Colman library, Hopkins building</b>	Mairi Kilkenny	
<b>Week 2</b> May 4 – May 10	Practical Skills Revision (online)		