

FIRST YEAR BIOMEDICAL SCIENCES
(Prelims)

MICHAELMAS TERM 2019

WEEKS 1 to 4

MSTC ROOMS
DR - Demonstration Room on 3rd (top) floor
3a; 3b - Seminar rooms on 3rd (top) floor
CAL - Computer Lab on 2nd floor
C2 - Wet lab classroom on 2nd floor
C1 - Wet lab classroom on 1st floor
LT - The Goss Lecture Theatre (near reception)
UGa; UGb; UGc - Seminar rooms on Upper Ground Floor
LGa; LGb - Seminar rooms on Lower Ground Floor

OTHER ROOMS
MNH - Lecture Theatre, Oxford Univ. Museum of Natural History
Phy - Large Lecture Theatre, Sherrington Bld
Sm LT Shr Bld - Small lecture Theatre, 1st Flr, Sherrington Bld.

Body & Cells
Body
Cells

Genes & Molecules
Genes
Molecules

Brain & Behaviour
Brain
Behaviour

Numeric & Scientific Skills
Maths & Stats
Chemistry
Physics

Week	Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	Time	Wk
1	9.00	L: Basic Cell Biology 1 (ACSW) Phy		L: Introduction to DNA (CJN) Phy	L: Electricity 1 (DPB) Sm LT Shr Bld	L: DNA Replication (CJN) MNH	9.00	1
	10.00	L: Introduction to the course (RJW) UGa/b	L: Intro. Cellular neuroscience (EM) LT		L: Intro to Probability Theory and Statistics 1 (JO) LT		10.00	
	11.00		L: Basic Cell Biology 2 (ACSW) Phy			L: Membrane potentials (EM) LT	11.00	
	12.00		L: Mathematical Modelling lecture 1: Plotting in MatLab (RB) CAL		L: Membrane structure & function (ABP) LT		12.00	
	2.00	P: Red blood cells (RJW) C1					2.00	
	3.00						3.00	
	4.00						4.00	
2	9.00			L: Transcription (CJN) Phy		L: Translation (CJN) MNH	9.00	2
	10.00	L: Ion & solute trans. (RJW) LT	L: Neuroanatomy overview (JSHT) LT		L: Diffusion/Osmosis (NJBG) LT		10.00	
	11.00				L: Action potentials 1 (EM) Phy	L: Action potentials 2 (EM) LT	11.00	
	12.00	L: Basic Cell Biology 3 (CJP) Phy	L: Basic Cell Biology 4 (CJP) Phy		L: Intro to Probability Theory and Statistics 2 (JO) Phy	L: Transport kinetics (NJBG) LT	12.00	
	2.00	L: Classical Optics (DPB) 3a/b	L: Cytoskeleton and cell junctions (CW) LT		L: Neuromuscular junction (EM) LT	L: Stats Class 1 (Grp 1=LGa, Grp 2=UGc) MSTC	2.00	
	3.00					L: Stats Class 1 (Grp 3=LGa, Grp 4=UGc) MSTC	3.00	
	4.00					L: Stats Class 1 (Grp 5=LGa, Grp 6=UGc) MSTC	4.00	
3	9.00		L: Intro to Probability Theory and Statistics 3 (JO) Phy	L: Prokaryotic gene regulation (CJN) Phy			9.00	3
	10.00	L: Composition and structure of DNA (NL) Phy		L: Amino acids & peptide bonds (JRS) Phy	L: Spinal Cord (JSHT) LT		10.00	
	11.00			L: RNA structure and protein synthesis (NL) Phy		L: Central synapses 2 (EM) LT	11.00	
	12.00	L: Intro to Pharmacology (CJG) LT			L: Mathematical Modelling lecture 2: Loops in MatLab (RB) CAL		12.00	
	2.00				L: Central synapses 1 (EM) LT	L: Stats Class 2 (Grp 1=LGa, Grp 2=UGc) MSTC	2.00	
	3.00					L: Stats Class 2 (Grp 3=LGa, Grp 4=UGc) MSTC	3.00	
	4.00					L: Stats Class 2 (Grp 5=LGa, Grp 6=UGc) MSTC	4.00	
4	9.00		L: Eukaryotic gene regulation I (ACSW) Phy	L: Eukaryotic gene regulation II (ACSW) Phy	L: Fluid flow & viscosity (DPB) UGa/b	L: Eukaryotic gene regulation III (ACSW) MNH	9.00	4
	10.00	L: Mutations, base modifications and DNA repair (NL) Phy	L: Recep. & transduction in sensory proc. (SJC2) LT	L: Polypeptide Structure (JRS) Phy	S: BMS Year 1 and Year 2 Student led forum UGa/b	L: Intro to Probability Theory and Statistics 4 (JO) LT	10.00	
	11.00					L: Cardiac muscle (MZ) LT	11.00	
	12.00	L: Skeletal muscle (MZ) LT			L: Mathematical Modelling lecture 3: Growth and decay processes (SJ) CAL		12.00	
	2.00	L: Drug receptors: cellular mechanisms (PT) Phy	P: Nerve - conduction velocity in ulnar nerve (EM) C1			L: Stats Class 3 (Grp 1=LGa, Grp 2=UGc) MSTC	2.00	
	3.00					L: Stats Class 3 (Grp 3=LGa, Grp 4=UGc) MSTC	3.00	
	4.00					L: Stats Class 3 (Grp 5=LGa, Grp 6=UGc) MSTC	4.00	

ABP Prof. Anant Parekh
ACSW Dr Alison Woollard
AR-H Dr Autumn Rowan-Hull
CJG Prof. Chris Garland
CJN Prof. Chris Norbury

CJP Dr Catherine Pears
CW Prof. Clive Wilson
DJP Prof. David Paterson
DPB Dr Daniel Bulte
EM Dr Ed Mann

JD Dr Johannes Dahmen
JO Dr Jill O'Reilly
JRS Prof. Jason Schnell
JSHT Dr Jeremy Taylor
LiM Dr Liliana Minichiello

LM Prof. Louis Mahadevan
MM Dr Mary McMenamin
MZ Prof. Manuela Zaccolo
NJBG Dr Nicholas Green
NL Prof. Nick Lakin

PAH Prof. Penny Handford
PJA Dr Paul Azzopardi
PT Dr Paolo Tammaro
RB Dr Rafal Bogacz
RJW Dr Robert Wilkins

SJ Prof. Saad Jbabdi
SJC2 Dr Sandra Campbell

FIRST YEAR BIOMEDICAL SCIENCES
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WEEKS 5 to 8

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Molecules

Brain & Behaviour
Brain
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Maths & Stats
Chemistry
Physics

Week	Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	Time	Wk
5	9.00			L: Basic cell Biology 5 (PAH) Phy		L: Basic Cell Biology 6 (PAH) MNH	9.00	5
	10.00	L: Neurons and neural codes (PJA) LT	L: Autonomic nervous system (JSHT) LT		L: Smooth muscle (CJG) LT		10.00	
	11.00	L: Further conformations & pred value of seq. (JRS) Phy	L: Receptive fields (PJA) LT		L: Intro to Probability Theory and Statistics 5 (JO) LT	L: Detection & central processing of touch (SJC2) LT	11.00	
	12.00						12.00	
	2.00		P: Human skeletal muscle function (RJW) C1		P: Histology - Muscle (MM) C2	L: Stats Class 4 (Grp 1=LGa, Grp 2=UGc) MSTC	2.00	
	3.00					L: Stats Class 4 (Grp 3=LGa, Grp 4=UGc) MSTC	3.00	
	4.00					L: Stats Class 4 (Grp 5=LGa, Grp 6=UGc) MSTC	4.00	
6	9.00			L: Genome organistation (ACSW) Phy		L: Extra-chromosomal genetics (ACSW) MNH	9.00	6
	10.00	L: Thresholds for seeing (PJA) LT		L: Motifs of protein structure (JRS) Phy	L: Intro to Probability Theory and Statistics 6 (JO) LT		10.00	
	11.00	L: Protein folding (JRS) Phy	L: Colour vision (PJA) LT		L: Mathematical Modelling lecture 4: Data Analysis (SJ) CAL	L: Detection, central processing and treatment of pain (SJC2) LT	11.00	
	12.00	L: Cholinergic mechanisms (LiM) LT	L: Cholinergic blockade (LiM) LT				12.00	
	2.00		P: Gross Anatomy - Nerve (AR-H) DR			L: Stats Class 5 (Grp 1=LGa, Grp 2=UGc) MSTC	2.00	
	3.00					L: Stats Class 5 (Grp 3=LGa, Grp 4=UGc) MSTC	3.00	
	4.00					L: Stats Class 5 (Grp 5=LGa, Grp 6=UGc) MSTC	4.00	
7	9.00					L: Molecular Biology in the Laboratory II (LM) MNH	9.00	7
	10.00	L: Seeing in three dimensions (PJA) LT		L: Haemoglobin: Struct. & cooperativity, and allostery (JRS) Phy			10.00	
	11.00	L: Intro to Myoglobin (JRS) Phy	L: Perception & action (PJA) LT	L: Intro to Probability Theory and Statistics 7 (JO) Phy	L: Visual pathway - retina to cortex (SJC2) LT	L: Visual cortex and perception (SJC2) LT	11.00	
	12.00		L: The visual system - optics/transduction (SJC2) LT				12.00	
	2.00	P: Vision and senses (SJC2) C2 +LGb	P: Histology - Nerve (MM) C2		P: Pharm pract: Skeletal muscle - neuro trans. / Autonomic control smooth muscle (Staff) C1	L: Stats Class 6 (Grp 1=LGa, Grp 2=UGc) MSTC	2.00	
	3.00					L: Stats Class 6 (Grp 3=LGa, Grp 4=UGc) MSTC	3.00	
	4.00					L: Stats Class 6 (Grp 5=LGa, Grp 6=UGc) MSTC	4.00	
8	9.00			L: Molecular Biology in the Laboratory III (LM) Phy		L: Molecular Biology in the Laboratory I (LM) LT	9.00	8
	10.00	L: The computational approach (PJA) LT	L: Audition 1 (JD) LT			L: Autonomic synapses (DJP) LT	10.00	
	11.00		L: Psychology Q&A (PJA) LT	L: Intro to Probability Theory and Statistics 8 (JO) Phy		L: Audition 2 (JD) LT	11.00	
	12.00				S: Student consultation session (RJW) UGa/b		12.00	
	2.00	L: Waves (DPB) UGa/b	P: Pharm pract: Heart properties / Skeletal muscle - neuro trans (Staff) C1		P: Pharm pract: Autonomic control smooth muscle / Heart properties (Staff) C1	L: Stats Class 7 (Grp 1=LGa, Grp 2=UGc) MSTC	2.00	
	3.00					L: Stats Class 7 (Grp 3=LGa, Grp 4=UGc) MSTC	3.00	
	4.00					L: Stats Class 7 (Grp 5=LGa, Grp 6=UGc) MSTC	4.00	

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