

UNIVERSITY OF CAMBRIDGE : DEPARTMENT OF PATHOLOGY
NATURAL SCIENCES TRIPOS
PART II PATHOLOGY 2011 - 2012
VIROLOGY OPTION

Organiser: Dr Helena Browne (telephone: 36919, e-mail: vir-organiser@path.cam.ac.uk)

Lectures will be given in the Pathology Lecture Theatre at Tennis Court Road unless stated otherwise.

MICHAELMAS TERM 2011

W	Oct	5	3.00 pm		Introduction to Part II	G L Smith
F	Oct	7	5.00 pm	1	Structure of virus capsids	Wynne
M	Oct	10	5.00 pm	2	Virus entry - receptors	Brown
Tu	Oct	11	9.00 am	~	Cell Cycle Regulation I	Turner
Tu	Oct	11	2 - 4 pm		Bibliographic IT training †	Kuhn
W	Oct	12	5.00 pm	3	Virus entry - fusion and uncoating	Brown
Th	Oct	13	9.00 am	~	Cell Cycle Regulation II	Turner
Th	Oct	13	2 - 4 pm		Bibliographic IT training †	Kuhn
F	Oct	14	2 - 4 pm		Bibliographic IT training †	Kuhn
F	Oct	14	4.00 pm	4	Poliovirus replication	Brown
			5.00 pm	5	Positive strand RNA virus replication overview	Brown
Sa	Oct	15	9.00 am	~	Mechanics and Control of Cell Division I	D'Avino
M	Oct	17	2 - 4 pm		Bibliographic IT training †	Kuhn
M	Oct	17	5.00 pm	6	Mononegavirales replication overview	Brown
Tu	Oct	18	9.00 am	~	Mechanics and Control of Cell Division II	D'Avino
Tu	Oct	18	2 - 4 pm		Bibliographic IT training †	Kuhn
W	Oct	19	3.00 pm		Nat. Sci. Students Career Advice Talk	Kelly/Todd
W	Oct	19	5.00 pm	7	Rotavirus replication	Gray
Th	Oct	20	9.00 am	~	Life and death of cells I	Kreuzaler
Th	Oct	20	2 - 4 pm		Bibliographic IT training †	Kuhn
F	Oct	21	5.00 pm	8	Influenza, bunya and arenavirus replication	Digard
Tu	Oct	25	9.00 am	~	Life and death of cells II	Watson
W	Oct	26	2.00 pm	9	Retrovirus replication – 1	Brierley
			3.00 pm	10	Retrovirus replication – 2	Brierley
F	Oct	28	3.00 pm	11	Molecular Biology of HIV-1 replication	Brierley
			4.00 pm	12	Hepadnavirus replication	Brierley
M	Oct	31	5.00 pm	13	Replication strategies of DNA viruses - 1	Sinclair
W	Nov	2	4.00 pm	14	Replication strategies of DNA viruses – 2	Sinclair
			5.00 pm	15	Replication strategies of DNA viruses – 3	Sinclair
F	Nov	4	2 - 4 pm		Data Handling 1 * (Greaves & Dixon Rooms)	Efstathiou
F	Nov	4	5.00 pm	16	RNA structures as control elements in viral systems	Brierley
M	Nov	7	5.00 pm	17	Gene regulation in human cytomegalovirus infection	Sinclair
W	Nov	9	5.00 pm	18	Virus assembly – 1	Crump
F	Nov	11	1.30 – 4.30 pm		Paper presentations 1 §	Brierley/Brown
			5.00 pm	19	Virus assembly – 2	Crump
M	Nov	14	5.00 pm	20	Cell biology of herpesvirus assembly	Crump
W	Nov	23	1.30 - 4.30pm		Paper presentations 2 §	Browne/Brierley
F	Nov	25	5.00 pm	21	Herpesvirus latency	Efstathiou
M	Nov	28	5.00 pm	22	Herpesvirus latency	Efstathiou
W	Nov	30	5.00 pm	23	Antiviral chemotherapy	Digard

† Bibliographic IT training will be held in the University Library. Students need only to attend one of the sessions. Please complete the form available at <https://www.surveymonkey.com/s/path-october2011> to select the session you will attend.

~ Please note that these are discretionary lectures which may provide additional background and save reading around the subject. This material will not be directly examined.

LENT TERM 2012

Tu	Jan	17	9.00 am	~	An overview of cancer	Edwards
Th	Jan	19	9.00am	~	Tumour Suppressors	D'Avino
Sat	Jan	21	9.00 am	~	Oncogenic Pathways I	Caffarel
Tu	Jan	24	9.00 am	~	Oncogenic Pathways II	Pensa
Th	Jan	26	9.00 am	~	Genetic Instability I	Edwards
Sat	Jan	28	9.00 am	~	Genetic Instability II	Edwards
M	Jan	30	12 noon	24	Virus interactions with host cell signal transduction	Turner
M	Jan	30	1.00 pm	25	Virus interactions with the cell cycle	Turner
Tu	Jan	31	9.00 am	~	Genetic Instability III	Edwards
W	Feb	1	5.00 pm	26	Virus immunology - refresher	Blacklaws
Th	Feb	2	9.00 am	~	Models of chromosomal instability	D'Avino
Th	Feb	2	5.00 pm	27	Viral immunology	Blacklaws
F	Feb	3	5.00 pm	28	Viral immunology	Blacklaws
M	Feb	6	5.00 pm	29	Viral immunology	Blacklaws
Tu	Feb	7	5.00 pm	30	Viral immune evasion	Boname
W	Feb	8	5.00 pm	31	Viral immune evasion	Boname
Th	Feb	9	5.00 pm	32	Viral immune evasion	G L Smith
M	Feb	13	12 noon	33	Persistent infection. Hepatitis B and LCMV	Borrow
M	Feb	13	1.00 pm	34	HIV persistence	Borrow
W	Feb	15	5.00 pm	35	Viruses and neoplastic disease - 1	Efstathiou
F	Feb	17	5.00 pm	36	Viruses and neoplastic disease – 2	Efstathiou
M	Feb	20	5.00 pm	37	Papillomaviruses and neoplastic disease	Sterling
W	Feb	22	5.00 pm	38	Gammaherpesvirus pathogenesis	Stevenson
Th	Feb	23	2 - 4 pm		Data Handling 2B * §	Brierley
F	Feb	24	2 - 5 pm		Paper Presentations 3 §	Browne/Crump
F	Feb	24	5.00 pm	39	Viruses and gene therapy	Efstathiou
M	Feb	27	5.00 pm	40	The transmissible spongiform encephalopathies	Minson
W	Feb	29	2.30 pm	41	Virus discovery **	Kuiken
W	Feb	29	3.45 pm	42	Emerging viral infections **	Kuiken
W	Feb	29	5.00 pm	43	Highly pathogenic avian influenza (trying PDN & Biochemistry) **	Kuiken
M	Mar	5	5.00 pm	44	Vaccines: current strategies	Browne
W	Mar	7	5.00 pm	45	Vaccines: new approaches	Browne
F	Mar	9	4.00 pm	46	Epidemiology Background	Conlan
F	Mar	9	5.00 pm	47	Measles Epidemiology	Conlan
M	Mar	12	5.00 pm	48	Virus eradication	G L Smith
W	Mar	14	5.00 pm	49	Influenzavirus evolution	D Smith

EASTER TERM 2012

F	Apr	27	10 am - 5 pm		Project seminars §	Browne
M	Apr	30	5.00 pm	50	Human herpesviruses	Efstathiou
W	May	2	5.00 pm	51	Influenzaviruses	Digard
F	May	4	5.00 pm	52	Human Immunodeficiency Virus	Greatorax

* Greaves/Dixon Room, § - Seminar Room, ** Sanger Building, Biochemistry