UNIVERSITY OF CAMBRIDGE: DEPARTMENT OF PATHOLOGY NATURAL SCIENCES TRIPOS

PART II PATHOLOGY: 2017-2018

VIROLOGY OPTION

Organiser: Dr C Crump (telephone: 763423, e-mail: vir-organiser@path.cam.ac.uk)

Lectures will be given in the Pathology Lecture Theatre at Tennis Court Road at 5.00 pm unless stated otherwise. Any lectures that will be held at times other than 5pm or on days other than Monday, Wednesday or Friday have the time and/or day marked in **bold**

PLEASE NOTE:

1) Bibliographic IT training will be held in the Greaves Room, Tennis Court Road. Students need only to attend one of the sessions. Please use https://www.surveymonkey.co.uk/r/PathPartII-2017 to select a session. Dates are:

Tues 10, Thurs 12, Fri 13, Mon 16, Tues 17, Fri 20, and Tues 24 October.

- 2) There will be Data Handling Workshops for Single Subject students on **Wednesday 7th March** and **Wednesday 25th April**, highlighted with a grey background on the timetable. Further information will be emailed closer to the dates.
- 3) There will be Literature Presentation sessions on Friday 20th October, Friday 3rd November, Friday 26th January and Friday 2nd February, highlighted with a grey background on the timetable. All students will present a recent research paper on topical aspects of virology and discuss the findings. All students should attend and read the papers prior to the presentations. Further information will be emailed closer to the dates.
 - 4) There will be Question and Answer sessions at the end of Michaelmas and Lent Terms where the course material can be discussed with lecturers in an informal setting
- 5) All Single Subject students who undertake a Research Project will present their work on **Friday 27**th **April 2017**. All Single Subject students are expected to attend. Further details will be emailed closer to the date.
- 6) We encourage all students to attend the Virology Seminars during the Michaelmas and Lent terms. There are usually 4-5 seminars per term on Thursdays at 12:00 noon in the Sackler Lecture Theatre, Cambridge Institute for Medical Research, Cambridge Biomedical Campus. Seminars are advertised on the notice boards in Pathology.

Any updates to this timetable will be emailed to students and will appear on the Departmental Web Server: http://www.path.cam.ac.uk/undergraduate/part2/timetables.html

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MICHAELMAS TERM 2017

					Introduction to Part II Pathology (for all Part II	
W	Oct	4	<u>3.00 pm</u>		Students)	A Kelly
F	Oct	6	5.00 pm	1	Structure of virus particles – 1	S Graham
М	Oct	9	9.00 am		Data interpretation (for all Part II Students)	C Trotter
М	Oct	9	5.00 pm	2	Structure of virus particles – 2	S Graham
W	Oct	11	4.00 pm	3	Virus cell entry mechanisms – 1	Y Modis
F	Oct	13	4.00 pm	4	Virus cell entry mechanisms – 2	Y Modis
М	Oct	16	5.00 pm	5	Positive strand RNA virus replication – 1	T Sweeney
W	Oct	18	5.00 pm	6	Positive strand RNA virus replication – 2	T Sweeney
F	Oct	20	2.00-4.30pm		Literature presentations 1 (Lecture Theatre)	T Sweeney D Brown
F	Oct	20	5.00 pm	7	Negative strand RNA virus replication – 1	R Beale
М	Oct	23	5.00 pm	8	Negative strand RNA virus replication – 2	A te Velthuis
W	Oct	25	5.00 pm	9	Retrovirus replication – 1	I Brierley
F	Oct	27	5.00 pm	10	Retrovirus replication – 2	I Brierley
М	Oct	30	5.00 pm	11	Double strand RNA virus replication	I Goodfellow
W	Nov	1	5.00 pm	12	Hepadnavirus replication	I Goodfellow
F	Nov	3	2.00-4.30pm		Literature presentations 2 (Lecture Theatre)	I Brierley R Beale
F	Nov	3	5.00 pm	13	RNA virus gene expression	A Firth
М	Nov	6	5.00 pm	14	Replication strategies of DNA viruses – 1	J Sinclair
W	Nov	8	5.00 pm	15	Replication strategies of DNA viruses – 2	J Sinclair
F	Nov	10	5.00 pm	16	Replication strategies of DNA viruses – 3	J Sinclair
М	Nov	13	5.00 pm		No lecture	
W	Nov	15	5.00 pm	17	Gene regulation in human cytomegalovirus infection	E Poole
М	Nov	20	4.00 pm	18	Virus assembly and egress – 1	C Crump
М	Nov	20	5.00 pm	19	Virus assembly and egress – 2	C Crump
W	Nov	22	5.00 pm	20	Herpesvirus assembly and egress	C Crump
М	Nov	27	<u>4.00 pm</u>	21	Virus evolution, diversity and origin	A Firth
М	Nov	27	5.00 pm	22	Virus cell-to-cell spread	C Crump
W	Nov	29	<u>4.00 pm</u>	23	Herpesvirus latency – 1	S Efstathiou
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W	Nov	2	5.00 pm	24	Herpesvirus latency – 2	S Efstathiou
Th	Nov	30	3.00-5.00 pm		Q&A Session (Lecture Theatre) - Optional	

LENT TERM 2018

F	Jan	19	5.00 pm	25	Virus interactions with host cell signal transduction	J Turner
М	Jan	22	5.00 pm	26	Virus interactions with the cell cycle	J Turner
W	Jan	24	5.00 pm	27	Viruses and neoplastic disease – 1	J Doorbar
F	Jan	26	2.00-4.30 pm		Literature Presentations 3 (Lecture Theatre)	C Crump S Graham
F	Jan	26	5.00 pm	28	Viruses and neoplastic disease – 2	J Doorbar
М	Jan	29	5.00 pm	29	Viruses and neoplastic disease – 3	J Doorbar
W	Jan	31	5.00 pm		Immunology refresher (students taking the Immunology Option do not need to attend)	B Blacklaws
<u>Th</u>	Feb	1	5.00 pm	30	Viral immunology – 1	B Blacklaws
F	Feb	2	2.00-4.30 pm		Literature Presentations 4 (Lecture Theatre)	J Doorbar
						D Brown
F	Feb	2	5.00 pm	31	Viral immunology – 2	B Blacklaws
М	Feb	5	5.00 pm	32	Viral immunology – 3	B Blacklaws
<u>Tu</u>	Feb	6	5.00 pm	33	Viral immune evasion – 1	G Smith
w	Feb	7	<u>11.30 am</u>	34	Persistent infections: Hepatitis B and LCMV (Seminar Room)	P Borrow
<u>W</u>	Feb	7	2.00 pm	35	HIV persistence	P Borrow
W	Feb	7	5.00 pm	36	Viral immune evasion – 2	G Smith
<u>Th</u>	Feb	8	5.00 pm	37	Viral immune evasion – 3	G Smith
F	Feb	9	5.00 pm	38	Viral epidemiology	C Trotter
М	Feb	12	5.00 pm		No lecture	
W	Feb	14	5.00 pm	39	Vaccines: current strategies	H Browne
F	Feb	16	4.00 pm		Q&A Session: Viruses & Neoplasia	J Doorbar
F	Feb	16	5.00 pm	40	Vaccines: new approaches	H Browne
М	Feb	19	5.00 pm	41	Antiviral chemotherapy	K Ranellou
W	Feb	21	5.00 pm	42	Future antiviral development and discovery	R Elston
F	Feb	23	5.00 pm	43	Viruses as therapy	R Beale

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М	Feb	26	5.00 pm	44	Smallpox eradication	G Smith
W	Feb	28	5.00 pm	45	Perspectives on the eradication of poliovirus	P Minor
F	Mar	2	5.00 pm	46	Ebolavirus outbreak control	I Goodfellow
М	Mar	5	5.00 pm		No lecture	
W	Mar	7	2.00-4.00 pm		Data Handling 1 (Greaves and Dixon Rooms)	C Crump
W	Mar	7	5.00 pm		No lecture	
F	Mar	9	3.00 pm	47	Emerging viral infections	R Fouchier
F	Mar	9	4.00 pm	48	Highly pathogenic avian influenza	R Fouchier
М	Mar	12	5.00 pm	49	The antigenic evolution of influenza viruses	D Smith
W	Mar	14	5.00 pm	50	Antibody landscapes, and preemptive vaccination	D Smith
Th	Mar	15	3.00-5.00 pm		Q&A Session (Lecture Theatre) - Optional	

EASTER TERM 2018

W	Apr	25	2.00-4.00 pm		Data Handling 2 (Greaves and Dixon Rooms)	I Brierley
F	Apr	27	10.00-5.00 pm		Project Presentations	C Crump
	1 Api 27	21	10.00 0.00 μπ		(Lecture Theatre)	O Grump
F	Apr	27	5.00 pm	51	Clinical aspects of HIV	A Carmichael
М	Apr	30	5.00 pm	52	Noroviruses	I Goodfellow
W	May	2	5.00 pm	53	Influenzaviruses	W Barclay

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