

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

**MICROBIOLOGY AND PARASITOLOGY**

**Organiser: Dr I.B. Kingston (tel. 33330, email: [mpd-organiser@path.cam.ac.uk](mailto:mpd-organiser@path.cam.ac.uk))**

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

**MICHAELMAS TERM 2011**

Wed	Oct	5	3.00 pm		Introduction to Part II	
Fri	Oct	7	9.00 am	1	Bacterial signalling and communication	Fraser
Mon	Oct	10	9.00 am	2	Bacterial motility I	Evans
Wed	Oct	12	9.00 am	3	Cell biology & Experimental approaches introduction <b>Journal Presentations introduction</b>	Fraser Hughes
Fri	Oct	14	9.00 am	4	Bacterial motility II	Evans
Mon	Oct	17	9.00 am	5	Colonization of host surfaces I	Fraser
Wed	Oct	19	9.00 am	6	Colonization of host surfaces II	Fraser
Fri	Oct	21	9.00 am	7	Extracellular survival I	Koronakis
Mon	Oct	24	9.00 am	8	Extracellular survival II	Koronakis
Wed	Oct	26	9.00 am	9	Entry into host cells	Humphreys
Fri	Oct	28	9.00 am	10	Intracellular and intercellular spread	Humphreys
Mon	Oct	31	9.00 am	11	Intracellular survival I	Koronakis
Wed	Nov	2	9.00 am	12	Intracellular survival II	Koronakis
Fri	Nov	4	9.00 am	13	Protein toxins I	Hume
Mon	Nov	7	9.00 am	14	Protein toxins II	Hume
Wed	Nov	9	9.00 am	15	Protein toxins III	Hume
Fri	Nov	11	9.00 am	16	Protein toxins IV	Hume
Mon	Nov	14	9.00 am	17	Vaccines	Fraser
Mon	Nov	14	10.00 – 11.10 am		<b>Journal Presentations (Single Subject) *</b>	Hughes
Wed	Nov	16	9.00 am	18	Antibiotic resistance I	Fraser
Wed	Nov	16	10.00 – 11.10 am		<b>Journal Presentations (Single Subject) *</b>	Hughes
Fri	Nov	18	9.00 am	19	Antibiotic resistance II	Fraser
Fri	Nov	18	10.00 – 11.10 am		<b>Journal Presentations (Single Subject) *</b>	Hughes
Mon	Nov	21	9.00 am	20	Antibiotic resistance III	Fraser
Mon	Nov	21	10.00 – 11.10 am		<b>Journal Presentations (Single Subject) *</b>	Hughes
Wed	Nov	23	9.00 am	21	Experimental approaches to pathogenicity I	Fraser
Wed	Nov	23	10.00 – 11.10 am		<b>Journal Presentations (Single Subject) *</b>	Hughes
Fri	Nov	25	9.00 am	22	Experimental approaches to pathogenicity II	Fraser
Fri	Nov	25	10.00 – 11.10 am		<b>Journal Presentations (Single Subject) *</b>	Hughes
Mon	Nov	28	9.00 am	23	Fungal infections	N. Brown
Wed	Nov	30	9.00 am	24	Fungal Infections and HIV	Lever
Fri	Dec	2	9.00 am		<i>No lecture</i>	

† 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. **The dates are Tue 11 October, Thurs 13 October, Fri 14 October, Mon 17 October, Tue 18 October and Thurs 20 October.**

\* Seminar Room

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LENT TERM 2012**

<b>Major Protozoal Diseases</b>						
Wed	Jan	18	9.00 am	23	Malaria: pathogenesis	Kingston
Fri	Jan	20	9.00 am	24	Malaria: pathogenesis	Kingston
Mon	Jan	23	9.00 am	25	Malaria: immunity & control	Kingston
Wed	Jan	25	9.00 am	26	Babesia & Theileria: pathogenicity & control	Kingston
Fri	Jan	27	9.00 am	27	Toxoplasmosis: pathogenesis	Ajioka
Mon	Jan	30	9.00 am	28	Toxoplasmosis: cell biology	Ajioka
Wed	Feb	1	9.00 am	29	Toxoplasmosis: genetics	Ajioka
Fri	Feb	3	9.00 am		<i>No Lecture</i>	
Fri	Feb	3	11.30 am		<i>No Lecture</i>	
Mon	Feb	6	9.00 am	30	Trypanosomatids: Pathogenesis, transmission & control 1	Field
Wed	Feb	8	9.00 am	31	Trypanosomatids: Pathogenesis, transmission & control 2	Field
Wed	Feb	8	10.15 am – 11.15 am		<b>Journal Presentations (Single Subject) *</b>	Kingston
Fri	Feb	10	9.00 am	32	Trypanosomatids: Pathogenesis, transmission & control 3	Field
Mon	Feb	13	9.00 am	33	Protozoa functional genomes	Field
Wed	Feb	15	9.00 am	34	Surface molecules in trypanosomatids: roles in immune evasion and virulence	Field
Wed	Feb	15	10.15 am – 11.15 am		<b>Journal Presentations (Single Subject) *</b>	Kingston/ Field

**Major Helminth Diseases**

Fri	Feb	17	9.00 am		<i>No Lecture</i>	
Mon	Feb	20	9.00 am	35	Introduction to helminths	Bickle
Wed	Feb	22	9.00 am	36	Coccidiosis: pathogenesis	Blake
Wed	Feb	22	3.30 pm	37	Coccidiosis: control	Blake
Fri	Feb	24	9.00 am	38	Schistosomiasis: epidemiology & morbidity 1	Bickle
Fri	Feb	24	10.15 am	39	Schistosomiasis: epidemiology & morbidity 2	Bickle
Mon	Feb	27	9.00 am	40	Schistosomiasis: mechanisms of immunity	Fitzsimmons
Wed	Feb	29	9.00 am	41	Cestodes: pathogenicity & control	Kingston
Wed	Feb	29	10.15 am – 11.15 am		<b>Journal Presentations (Single Subject) *</b>	Kingston/ Fitzsimmons
Fri	Mar	2	9.00 am	42	Gut nematodes: pathogenicity & control I	Kingston
Mon	Mar	5	9.00 am	43	Gut nematodes: pathogenicity & control II	Kingston
Wed	Mar	7	9.00 am	44	Immune responses in nematode infections	Bickle
Wed	Mar	7	10.15 am – 11.15 am		<b>Journal Presentations (Single Subject) *</b>	Kingston/ Fitzsimmons
Fri	Mar	9	9.00 am		<i>No Lecture</i>	
Mon	Mar	12	9.00 am		<i>No Lecture</i>	

### EASTER TERM 2012

Wed	Apr	25	10.00 am-4.00 pm		<b>Part II Project Seminars*</b>	Kingston
<b>Parasite chemotherapy</b>						
Fri	Apr	27	1.45	45	Chemotherapy: anti-protozoal strategies #	de Koning
Fri	Apr	27	2.45	46	Chemotherapy: anti-helminth strategies #	de Koning
Mon	Apr	30	9.00 am	47	Lymphatic filariasis: infection & pathology #	Michael
Mon	Apr	30	10.15 am	48	Lymphatic filariasis: control #	Michael
<b>Epidemiology</b>						
Wed	May	2	9.00 am	49	Epidemiology I: background & concepts	Michael
Wed	May	2	10.15 am	50	Epidemiology II: host, parasites & disease	Michael
Fri	May	4	9.00 am	51	Epidemiology III: parasite population biology	Michael
Fri	May	4	10.15 am	52	Epidemiology IV: disease burden & control	Michael
<b>Data Handling</b>						
Mon	May	7	9.00 am		<i>Bank Holiday</i>	
Wed	May	9	2.00 – 4.00 pm		Microbiology and Parasitology review of Data Handling Questions*	Kingston

\* Seminar Room - Dept. of Pathology, T.C.R.

# Hodgkin Huxley Seminar Room, PDN.