

UNIVERSITY OF CAMBRIDGE: DEPARTMENT OF PATHOLOGY
NATURAL SCIENCES TRIPOS - PART II PATHOLOGY 2012 - 2013
DYNAMICS OF INFECTIOUS DISEASES OPTION
Organiser: Dr. L. Tiley (telephone: 39554, e-mail: lst21@cam.ac.uk)

MICHAELMAS TERM 2012

Lectures this term will be given in Lecture Theatre 2, Department of Veterinary Medicine, West Cambridge Site, unless otherwise stated.

Wed	Oct	03	3pm	1	Introduction to Part II Pathology Lecture Theatre at Tennis Court Road	
Th	Oct	04	2pm-4pm		Bibliographic Training †	Kuhn
Tu	Oct	09	9am-10am	2	Introduction to Infection and Viral Dynamics	Tiley
			10am-11am	3	Within Host Dynamics 1 - Introduction to growth dynamics	Restif
			2pm-4pm		Bibliographic Training	Kuhn
Th	Oct	11	9am-10am	4	Within Host Dynamics 2 - Virus dynamics	Restif
			10am-11am	5	Within Host Dynamics 3 - Antigenic diversity	Restif
Th	Oct	11	2pm-4pm		Bibliographic Training †	Kuhn
Fri	Oct	12	2pm-4pm		Bibliographic Training †	Kuhn
Mon	Oct	15	2pm-4pm		Bibliographic Training †	Kuhn
Tu	Oct	16	9am-11am	6	Population Dynamics 1 - From within-host to transmission	Wood
				7	Population Dynamics 2 - Epidemic and endemic dynamics	Wood
			2pm-4pm		Bibliographic Training †	Kuhn
Th	Oct	18	9am-10am	8	Population Dynamics 3 - Control measures	Wood
			10am-11am	9	Population Dynamics 4 - Pathogen evolution	Restif
			2pm-4pm		Bibliographic Training	Kuhn
Tu	Oct	23	9am-11am		Practical 1 - Computer-based Simulations Computer Suite, Dept. of Vet. Medicine	Restif
			2pm-4pm		Bibliographic Training †	Kuhn
Th	Oct	25	9am-10am	10	FMD 2 - Epidemic dynamics	Wood

			10am-11am	11	Influenza 1 - Epidemic Dynamics	Wood
Tu	Oct	30	10am-11am	12	Influenza 2 - Immunity	Wood
Th	Nov	01	9am-10am	13	FMD 1 – Control	King
			10am-11am	14	Basic Statistics	McKinley
Tu	Nov	06	9am-10am	15	Influenza 3 - Cross-species Transmission	Brown
			10am-11am	16	Influenza 4 - Disease Control	Brown
Th	Nov	08	9am-10am	17	Influenza 5 - Virus Evolution	McCauley
			10am-12pm		Debate 1 - Disease Control Measures (Pandemic Flu Threat) In the Senior Common Room, (SCR), Dept. of Veterinary Medicine	Tiley/Wood
Tu	Nov	13	9am-10am	18	Rabies 1 - Infection dynamics	Fooks
			10am-11am	19	Rabies 1b	Fooks
			11am-12pm	20	Rabies 2 - Population dynamics and control	Russell
Th	Nov	15	9am-10am	21	Dynamics of acute bacterial infections 6 - Salmonella infections of humans and animals	Humphrey
Tu	Nov	20	9am-10am	22	Dynamics of acute bacterial infections 7 - Salmonellae - interactions with the host	Mastroeni
			10am-11am	23	Dynamics of acute bacterial infections 8 - Salmonellae - immunity	Mastroeni
Th	Nov	22	9am-10am	24	Antibiotic Resistance	Maskell
			10am-11am		Practical 2 - Basic statistics and data handling Computer Suite, Dept. of Vet. Medicine	McKinley
					⊕Bibliographic IT training will be run at 2 different venues: the Medical Library, Addenbrooke's Site and the Kanthack & Nuttall Library, Department of Pathology. Students need only to attend one of the sessions. Please complete the form available at https://www.surveymonkey.com/s/BiblioSession-Part2Path-2012 to select the session you will attend.	

LENT TERM 2013

Lectures this term will be given in Lecture theatre 2, Dept. Vet. Medicine, Madingley Road, unless otherwise stated.

Th	Jan	17	9am-10am	25	Dynamics of acute bacterial infections 1 - Campylobacter - epidemiology	Grant
			10am-11am	26	Dynamics of acute bacterial infections 2 - Campylobacter infections in humans	Grant
Tu	Jan	22	9am-10am	27	Dynamics of acute bacterial infections 3 - Colonisation dynamics in the environment	Grant
			10am-11am	28	Dynamics of acute bacterial infections 4 - Colonisation dynamics in poultry	Grant
Th	Jan	24	9am-10am	29	Dynamics of acute bacterial infections 5 - Population dynamics of bacterial infections	Restif
			10am-12pm	30	Literature Review 1 - Antibiotic resistance (SCR)	Grant & Maskell
Tu	Jan	29	9am-10am	31	Streptococci 1	Slater
			10am-11am	32	Streptococci 2	Slater
Th	Jan	31	9am-10am	33	Herpes Viruses 1 - Pathogenesis	Field
Tu	Feb	05	9am-10am	34	Herpes Viruses 2 - Evolution	Davison
			10am-11am	35	Herpes Viruses 3 - In host dynamics of lymphotropic/endotheliotropic equine herpes viruses	Smith
Th	Feb	07	9am-10am	36	Bovine TB and badgers	Conlan/Wood
Tu	Feb	12	9am-10.30am	37	Literature Review 2 - Bovine TB and badgers	Corke/Tiley
Th	Feb	14	9am-10am	38	Phylogenetics	Frost
			10am-11am	39	Concepts in emerging infections	Frost
Tu	Feb	19	9am-10am	38	Emerging Infections 1 - Lessons from myxomatosis	Tiley
			10am-11am	40	Network Modelling	Brooks Pollock
Th	Feb	21	9am-10am		Practical 3 - Myxomatosis modelling Computer Suite, Dept. of Vet. Medicine	Restif
Wed	Feb	27	2.30pm	41	Emerging Infections 2 - Virus discovery Sanger Building Lecture Theatre, Dept. of Biochemistry (Combined lecture with Virology)	Fouchier

					Option)	
Tu	Mar	05	9am-10am	42	Emerging Infections 3 - SIV	Heeney
			10am-11am	43	Emerging Infections 4 - SARS, West Nile	Horton
Th	Mar	07	9am-10am	44	Orbivirus Infections 1 - Orbivirus dynamics	Mellor
			10am-11am	45	Orbivirus Infections 2 – Impact of climate change	Mellor
			11am-12pm	46	Orbivirus Infections 3 - Orbivirus dynamics	Gubbins

EASTER TERM 2013

Lectures this term will be given in Lecture theatre 2, Dept. Vet. Medicine, Madingley Road, unless otherwise stated.

Tu	Apr	23	9am-10am	47	TSEs 1	Bujdoso
Th	Apr	25	9am-10am	48	TSEs 2	Thackray
			10am-11am	49	TSEs 3	Thackray
Tu	Apr	30	9am-11am	50	Student Project Presentations (IMPORTANT: All students should attend this session)	Tiley
Tu	May	02	9am-11am	51	Examples Class	Tiley/Wood