

**UNIVERSITY OF CAMBRIDGE: DEPARTMENT OF PATHOLOGY
NATURAL SCIENCES TRIPOS - PART II PATHOLOGY 2018 – 2019**

DYNAMICS OF INFECTIOUS DISEASES OPTION

Organisers: Dr O. Restif (tel:(7)64963) and Dr. A. Conlan (tel: (7)64031)

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Location: Lecture Theatre 2, Department of Veterinary Medicine, West Cambridge Site, unless otherwise stated.

Students should attend all timetabled events.

MICHAELMAS TERM 2018

Bibliographic IT training will be available on multiple dates in October in the Pathology Library, 2nd Floor, Tennis Court Road, plus one session offered in the Medical Library, School of Clinical Medicine, Addenbrooke's. Students need only to attend one of the sessions. Please complete the form available at to select the session you will attend.

Wed	3	Oct	3pm	Introduction to Part II Pathology Lecture Theatre at Tennis Court Road	Kelly
Tue	9	Oct	9am	1. Introduction to Disease Dynamics	Conlan
			10am	2. Concepts in infectious disease epidemiology	Trotter
Wed	10	Oct	9am	Interpreting data for Part II Pathology Pathology Lecture Theatre at Tennis Court Road	Trotter
Thu	11	Oct	9am	3. Understanding transmission using simple models	Conlan
			10am	4. Control of infectious diseases	Trotter
			11am	5. Foot and Mouth Disease 1 – Diagnosis and Control	King
Tue	16	Oct	9am-11am	Practical 1. Hands on with simple epidemic models Dr Lee Multimedia Teaching Laboratory, Veterinary Medicine	Conlan
Thu	18	Oct	9am	<i>Free slot</i>	
Tue	23	Oct	9am	6. R_0 – what data do we need to understand transmission?	Conlan
Thu	25	Oct	9am-11am	Practical 2. Estimating R_0 Dr Lee Multimedia Teaching Laboratory, Veterinary Medicine	Conlan
Tue	30	Oct	9am	7. Foot and Mouth Disease 2 – Epidemic Dynamics	Wood

			10am	8. Genomic perspectives on the evolution and spread of Streptococcus pneumoniae	Bentley
Thu	1	Nov	9am-11am	Practical 3. Outbreak investigation	Trotter
Tue	6	Nov	9am	9. Introduction to Genomics	Weinart
			10am	10. Bovine TB - Epidemiology	Wood
Thu	8	Nov	9am	11. Transmissible cancers	Murchison
Tue	13	Nov	9am	12. Salmonella I	Grant
			10am	13. Salmonella WITS	Grant
Thu	15	Nov	9am	<i>Free slot</i>	
			10am	14. Bovine TB – Modelling and policy	Conlan
Tue	20	Nov	9am	15. Campylobacter I	Grant
			10am	16. Campylobacter II	Grant
Thu	22	Nov	9am-11am	Debate: Bovine TB and Badgers Main Meeting Room, Veterinary Medicine	Wood/Conlan
Tue	27	Nov	9am	17. Streptococcus suis infections	Tucker
			10am	18. Streptococcus suis genomics	Weinart
Thu	29	Nov	9am-11am	Q&A Session	Conlan

LENT TERM 2019

Tue	15	Jan	9am	19. Viral phylodynamics	Frost
			10am	20. Concepts in emerging infections	Frost
Thu	17	Jan	9am-11am	Practical 4. viral phylodynamics Dr Lee Multimedia Teaching Laboratory, Veterinary Medicine	Frost
Tue	22	Jan	9am	21. Influenza 1 – Epidemiology and evolution	Russell
			10am	22. Influenza 2 – Global dynamics of human infections	Russell
Thu	24	Jan	9am	23. Influenza 3 – Disease dynamics in animals	Russell
			10am	24. Influenza 4 – Cross species transmission	Russell
			11am	25. Wildlife reservoirs and emerging infections	Wood / Restif
Thu	31	Jan	9am-11am	Paper Presentations	Restif/ Conlan
Tue	5	Feb	9am-11am	Paper Presentations	Conlan/ Restif
Thu	7	Feb	9am	26. Predicting the spread of Orbiviruses	Gubbins
			10am	27. Schmallenberg	Gubbins
Tue	12	Feb	9am	28. Antibiotic resistance – Population dynamics	Harrison
			10am	29. Antibiotic resistance – One Health Approaches	Mather
Thu	14	Feb	9am-11am	30/31. Ecology of infectious diseases	Restif
Tue	19	Feb	9am-11am	Q&A Session – Exam prep	Restif
Thu	21	Feb	9am	32. Rabies – epidemiology and control	Fooks
Tue	26	Feb	9am	33. Introduction to Medical Anthropology	Jephcott
Wed	27	Feb	5pm *	34. Perspectives on the eradication of poliovirus * Pathology Lecture Theatre at Tennis Court Road	Minor *
Thu	28	Feb	9am	35. From theory to practice – modelling equine influenza	Wood
			10am	36. Evolution of zoonotic RNA viruses	Heeney
Tue	5	Mar	9am	<i>Free slot</i>	
			10am	<i>Free slot</i>	
Wed	6	Mar	4pm *	37. Emerging viral infections * Pathology Lecture Theatre at Tennis Court Road	Fouchier *

Thu	7	Mar	9am	<i>Free slot</i>	
			10am-12pm	Practical 5. Designing model structures	Trotter

*** Shared lectures with Virology, given in the Pathology Lecture Theatre, Tennis Court Road**

EASTER TERM 2019

Thu	25	Apr	9am	38. TSEs 1	Bujdoso
			10am	39. TSEs 2	Thackray
Tue	30	Apr	9am	40. TSEs 3	Thackray
Tue	7	May	9am-11am	Student Project Presentations (IMPORTANT: All students should attend this session)	Conlan/ Restif
Thu	9	May	9am-11am	Examples Class for practical exam (Single Subject)	Conlan/ Restif