

**UNIVERSITY OF CAMBRIDGE: DEPARTMENT OF PATHOLOGY
NATURAL SCIENCES TRIPOS - PART II PATHOLOGY 2017 – 2018**

DYNAMICS OF INFECTIOUS DISEASES OPTION

Organiser: Dr. A. Conlan (telephone: (7)64031, e-mail: did-organiser@path.cam.ac.uk)

MICHAELMAS TERM 2017

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

Wed	Oct	4	3pm	Introduction to Part II Pathology Lecture Theatre at Tennis Court Road	Kelly
Mon	Oct	9	9.00am	Interpreting data for Part II Pathology Pathology Lecture Theatre at Tennis Court Road	Trotter
Tue	Oct	10	9.00am	Introduction to Disease Dynamics	Conlan
			10.00am	Concepts in infectious disease epidemiology	Trotter
Thu	Oct	12	9.00am	Understanding transmission using simple models	Conlan
			10.00am	Control of infectious diseases	Trotter
Tue	Oct	17	9.00am – 11.00am	Practical 1 – Hands on with simple epidemic models Dr Lee Multimedia Teaching Laboratory	Conlan
Thu	Oct	19	9.00am	Foot and Mouth Disease 1 – Diagnosis and Control	King
Tue	Oct	24	9.00am	R₀ – what data do we need to understand transmission?	Conlan
Thu	Oct	26	9.00am-11.00am	Practical 2 – Estimating R₀ Dr Lee Multimedia Teaching Laboratory	Conlan
Tue	Oct	31	9.00am-11.00am	Free Slot	
Thu	Nov	2	9.00am-11.00am	Practical 3: Outbreak investigation	Trotter
Tue	Nov	7	9.00am	Introduction to Genomics	Miller
			10.00m	Genomic perspectives on the evolution and spread of Streptococcus pneumoniae	Bentley
Th	Nov	9	9.00am	Foot and Mouth Disease 2 – Epidemic Dynamics	Wood
Tue	Nov	14	9.00am	Salmonella I	Grant
			10.00am	Salmonella WITS	Grant
Thu	Nov	16	9.00am	Bovine TB - Epidemiology	Wood
			10.00am	Bovine TB – Modelling and policy	Conlan
Tu	Nov	21	9.00am	Campylobacter I	Grant
			10.00am	Campylobacter II	Grant
Thu	Nov	23	9.00am-11.00am	Debate: Bovine TB and Badgers	Wood/Conlan
Tue	Nov	28	9.00am-	Streptococcus suis infections	Tucker
			10.00am	Streptococcus suis genomics	Weinart
Thu	Nov	30	9.00am-11.00am	Q&A Session	Conlan

Bibliographic IT training will be available on multiple dates 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](#)

LENT TERM 2018

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

Tu	Jan	16	9.00am	Viral phylodynamics	Frost
			10.00am	Concepts in emerging infections	Frost
Thu	Jan	18	9.00am – 11.00am	Practical 3: viral phylodynamics Dr Lee Multimedia Teaching Laboratory	Frost
Tu	Jan	23	9.00am	Influenza 1 – Epidemiology and evolution	Russell
			10.00am	Influenza 2 – Global dynamics of human infections	Russell
Thu	Jan	25	9.00am	Influenza 3 – Disease dynamics in animals	Russell
			10.00am	Influenza 4 – Cross species transmission	Russell
Tu	Jan	30	9.00am	Wildlife reservoirs and emerging infections	Wood
Thu	Feb	1	9.00am – 11.00am	Paper Presentations	Trotter and Conlan
Tu	Feb	6	9.00am-11.00am	Paper Presentations	Trotter and Restif
Thu	Feb	8	9.00am	Predicting the spread of Orbiviruses	Gubbins
			10.00am	Schmallenberg	Gubbins
Tu	Feb	13	9.00am	Antibiotic resistance – Emergence and Scale of Problem	Harrison
			10.00am	Antibiotic resistance – One Health Approaches	Mather
Thu	Feb	15	9.00am	Ecological concepts for infectious diseases	Restif
			10.00am	Evolutionary Ecology of infectious diseases I	Restif
Tu	Feb	20	9.00am-11.00am	Q&A Session	Trotter
Thu	Feb	22	9.00am-11.00am	Practical 4 – Designing model structures	Trotter
Tu	Feb	27	10.00am	Rabies – epidemiology and control	Fooks
W	Feb	28	5.00pm	Perspectives on the eradication of poliovirus (shared lecture with virology*)	Minor
Th	Mar	1	9.00am	From theory to practice – modelling equine influenza	Wood
			10.00am	Primates and SIV	Heeney
Tu	Mar	6	9.00am	Transmissible cancers	Murchison
			10.00am	Introduction to Medical Anthropology	Jephecott
Th	Mar	8	9.00am	Rabies – epidemiology and control	Fooks
			10.00am-12.00pm	Practical 4 – Designing model structures	Trotter
Fri	Mar	9	3.00pm	Emerging viral infections (shared lecture with virology*)	Fouchier
* Pathology Lecture Theatre at Tennis Court Road					

EASTER TERM 2017

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

Tu	Apr	24	9.00am	TSEs 1	Bujdoso
			10.00am	TSEs 2	Thackray
Th	Apr	26	9.00am-11.00am	TSEs 3	Bujdoso
Tu	May	1	9.00am-11.00am	Student Project Presentations (IMPORTANT: All students should attend this session)	Conlan/ Trotter
Th	May	3	9.00am-11.00am	Examples Class for practical exam (SS)	Conlan/ Trotter