

UNIVERSITY OF CAMBRIDGE : DEPARTMENT OF PATHOLOGY
NATURAL SCIENCES TRIPOS
PART II PATHOLOGY
2012 - 2013

IMMUNOLOGY OPTION

Organiser: Prof J. Kaufman (e-mail: imm-organiser@path.cam.ac.uk, telephone: 766423)

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

Tutorials and Presentations marked with no asterisk take place in the Lecture Theatre, one asterisk in the Seminar Room, two asterisks in the Dixon Room, all at Tennis Court Road. The hash key indicates that the tutorial will take place in the Hodgkin Huxley Seminar Room, Department of Physiology, Development and Neuroscience.

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/BiblioSession-Part2Path-2012> to select the session you will attend.

All those who undertake a Research Project will have the opportunity to present their work at a day of Project Presentations starting at 9:00 am on **Thursday 9 May 2013** in the Seminar Room. Details will be emailed to students closer to the date.

In preparation for the “practical exam” on data handling, there will be three Data Interpretation Skills Workshops from 3:30-5 pm on **Tuesday 7 May, Monday 3 June and Tuesday 4 June** in the Lecture Theatre. Details will be emailed to students closer to the date.

Please note that in addition to the formal lecture series above we strongly encourage Immunology students to attend as many of the Immunology seminars in Cambridge as possible. Every Wednesday at 12:30 pm during term (and some weeks out of term), there are pertinent seminars in the Pathology Building on Tennis Court Road as part of the “Immunology in Pathology” series. There are also pertinent seminars every Friday at 1:00 pm as part of the “Immunology and Medicine” series at Cambridge Institute for Medical Research (CIMR). Both of these series are advertised on the main notice boards and at www.talks.cam (search for Immunology).

Updates to the information on this timetable will appear on the Departmental Web Server: www.path.cam.ac.uk, click on Undergraduate Teaching, then Third Year (part II teaching), then Timetables (or go directly to <http://www.path.cam.ac.uk/undergraduate/part2/timetables.html>)

MICHAELMAS TERM 2012

Wed	Oct	3	3pm		Introduction to Part II	G L Smith
Thu	Oct	4	5pm	1	An overview of the immune response	Kaufman
Sat	Oct	6	10.15am	2	Innate immunity: overview	Kaufman
Tue	Oct	9	5pm	3	Innate immunity: pattern recognition receptors	Bryant
Thu	Oct	11	5pm	4	Innate immunity: pattern recognition receptors	Bryant
Sat	Oct	13	10.15am	5	Innate immunity: intracellular defences	Randow
Tue	Oct	16	5pm	6	Innate immunity: antimicrobial peptides	Deane
Wed	Oct	17	3:30-5 pm		*Tutorial (innate immunity)	Bryant
Thu	Oct	18	5pm	7	Major histocompatibility complex	Trowsdale
Sat	Oct	20	10.15am	8	Major histocompatibility complex	Trowsdale
Tue	Oct	23	5pm	9	Major histocompatibility complex	Kaufman
Thu	Oct	25	5pm	10	Antigen Presentation by class II molecules	Kelly
Fri	Oct	26	3:30-5 pm		*Tutorial (MHC)	Kelly-Trowsdale
Sat	Oct	27	10.15am	11	Immunoglobulin structure and function	Clark
Tue	Oct	30	5pm	12	Immunoglobulin and T cell receptor genes	Clark
Thu	Nov	1	5pm	13	Antigen Presentation by class I molecules	Lehner
Fri	Nov	2	3:30-5 pm		*Techniques Tutorial	Kaufman
Sat	Nov	3	10.15am	14	Cytokines	Barlow
Sat	Nov	3	11:30am	15	Chemokines	Barlow
Tue	Nov	6	5pm	16	Lymphocyte signalling: TCR and BCR	Rudd
Thu	Nov	8	5pm	17	Lymphocyte signalling: cytokines and chemokines	Rudd
Fri	Nov	9	3:30-5 pm		**Techniques Tutorial	Kaufman
Sat	Nov	10	10:15am	18	Lymphocyte signalling: co-stimulatory molecules	Schneider
Tue	Nov	13	5pm	19	T cell-target interaction	Griffiths
Thu	Nov	15	5pm	20	T cell-target interaction	Griffiths
Fri	Nov	16	3:30-5 pm		*Tutorial (T cell biology)	Griffiths
Sat	Nov	17	10.15 am	21	Dendritic cells	Duncan
Tue	Nov	20	5pm	22	T cell subsets	Zaccone
Wed	Nov	21	3:30-5 pm		# Tutorial (Regulation of T cell clonal expansion)	Fearon
Thu	Nov	22	5pm	23	TCR rearrangement and selection in the thymus	Clark
Fri	Nov	23	3:30-5 pm		*Techniques Tutorial	Kaufman
Sat	Nov	24	10.15am	24	B cell response to antigen	Clatworthy
Sat	Nov	24	11:30am	25	B cell development and subsets	Corcoran
Tue	Nov	27	5pm	26	Lymphoid tissue architecture	Holmes
Wed	Nov	28	3:30-5 pm		*Tutorial (B cells)	Espeli
Thu	Nov	29	5pm	27	Lymphoid cell trafficking	Holmes

LENT TERM 2013

Tue	Jan	15	5pm	28	Evolution of immunity	Kaufman
Wed	Jan	16	3:30-5 pm		*Tutorial (evolution)	Kaufman
Thu	Jan	17	5pm	29	NK cell receptors	Colucci
Sat	Jan	19	10.15 am	30	NK cell genes and education	Colucci
Tue	Jan	22	5pm	31	NK cells in transplantation, reproduction, infection and cancer	Colucci
Wed	Jan	23	3:30-5 pm		*Tutorial (NK)	Colucci
Thu	Jan	24	5pm	32	Reproductive Immunology	Sharkey
Sat	Jan	26	10.15am	33	Reproductive Immunology	Sharkey
Tue	Jan	29	5pm	34	Reproductive Immunology	Sharkey
Wed	Jan	30	3:30-5 pm		*Tutorial (reproductive immunology)	Chazara
Thu	Jan	31	5pm	35	Viral Immunology	Blacklaws
Fri	Feb	1	3.30-5pm		Presentations	Kaufman
Fri	Feb	1	5pm	36	Viral Immunology	Blacklaws
Sat	Feb	2	10.15am	37	Mucosal Immunology	Stagg
Mon	Feb	4	5pm	38	Viral Immunology	Blacklaws
Tue	Feb	5	5pm	39	Viral immune evasion	Boname
Wed	Feb	6	5pm	40	Viral immune evasion	Boname
Fri	Feb	8	3:30-5pm		*Tutorial (vaccinology)	Phil Stevenson
Fri	Feb	8	5pm	41	Viral immune evasion	G L Smith
Sat	Feb	9	10.15am	42	Parasite Immunology	Zaccone
Tue	Feb	12	5pm	43	Parasite Immunology	Wilson
Wed	Feb	13	3:30-5 pm		*Tutorial (parasite immunology)	Wilson/Zaccone
Thu	Feb	14	5pm	44	Complement	Holmes
Sat	Feb	16	9am	45	Complement	Holmes
Tue	Feb	19	5pm	46	Immunity to bacteria	Mastroeni
Wed	Feb	20	3:30-5 pm		*Tutorial (complement)	Lea
Thu	Feb	21	5pm	47	Immunity to bacteria	Mastroeni
Sat	Feb	23	10.15am	48	Complement	Holmes
Tue	Feb	26	3pm	49	Genetics of Immunity	Todd
Tue	Feb	26	5pm	50	Genetics of Immunity	Todd
Wed	Feb	27	3:30-5 pm		*Tutorial (quantitative genetics)	Todd
Thu	Feb	28	5pm	51	Tumour Immunity	Fearon
Fri	Mar	1	1:30pm	52	Thymus Biology	Palmer
Fri	Mar	1	2:45pm	53	Central Tolerance	Palmer
Sat	Mar	2	10.15am	54	Peripheral Tolerance and autoimmunity	Cooke
Tue	Mar	5	5pm	55	Peripheral Tolerance and autoimmunity	Cooke
Wed	Mar	6	3:30-5 pm		*Tutorial (autoimmunity)	Cooke
Thu	Mar	7	5pm	56	Peripheral Tolerance and autoimmunity	Cooke
Sat	Mar	9	10.15am	57	Rheumatoid Arthritis	Gaston
Tue	Mar	12	5pm	58	HLA-B27 associated joint disease	Gaston

Wed	Mar	13	3:30-5 pm	*Tutorial (Innate lymphocytes)	Zaccone
Thu	Mar	14	5 pm	*Tutorial (Dendritic cells)	Duncan