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

IMMUNOLOGY OPTION

Organiser: Dr N Holmes (e-mail: imm-organiser@path.cam.ac.uk, telephone: 33871)

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.
Lectures take place on Tuesdays and Thursdays at 5.00 pm and Saturdays at 10.15 am, unless otherwise stated.

Bibliographic IT training will be available on multiple dates at the start of Michaelmas Term. Students need only to attend one of the sessions. Please complete the form available here to select the session you will attend https://www.surveymonkey.co.uk/r/PathPartII-2017

All those who undertake a Research Project will have the opportunity to present their work at a day of Project Presentations starting at 10:00 am on **Thursday 3 May 2018** 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 two Data Interpretation Skills Workshops from 3:30-5 pm on **Tuesday 8 May** and **Thursday 10 May 2018** 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 http://talks.cam.ac.uk/document/Finding+a+talk (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/third_year/timetables). It is also available online to print or export to your personal timetable www.timetable.cam.ac.uk.

MICHAELMAS TERM 2017

Wed	Oct	4	3pm		Introduction to Part II	Kelly
Thu	Oct	5	5pm	1	Innate immunity: overview	Ferguson
Sat	Oct	7	10.15am	2	Innate immunity: pattern recognition receptors	Bryant
Mon	**Oct**	9	**9am**	**3**	**Data Interpretation**	Trotter
Tue	Oct	10	5pm	4	Innate immunity: pattern recognition receptors	Bryant
Thu	Oct	12	5pm	5	Innate immunity: intracellular nucleic acid sensing	Ferguson
Fri	Oct	13	2pm		Tutorial (innate immunity)	Ferguson
Sat	Oct	14	10.15am	6	Innate immunity: intracellular defences	Randow
Tue	Oct	17	5pm	7	Lymphocyte signalling: TCR and BCR	Okkenhaug
Thu	Oct	19	5pm	8	Lymphocyte signalling: TCR and BCR	Okkenhaug
Sat	Oct	21	10.15am	9	Lymphocyte signalling: co-stimulatory molecules	Okkenhaug
Tue	Oct	24	5pm	10	Innate immunity: antimicrobial peptides	Deane
Wed	**Oct**	**25**	**2pm**	**11**	B cell response to antigen	Linterman
Wed	**Oct**	**25**	**3:30pm**	**12**	B cell response to antigen	Linterman
Thu	**Oct**	**26**	**3:30pm**	**13**	Thymus Biology	Palmer
Thu	Oct	26	5pm	14	Central Tolerance	Palmer
Sat	Oct	28	10.15am	15	MHC 1: genetics and transplantation	Kaufman
Tue	Oct	31	5pm	16	MHC 2: genetics and disease	Kaufman
Wed	**Nov**	**1**	**2pm**	17	T cell-target interaction	de la Roche
Wed	**Nov**	**1**	**3:30pm**	18	T cell-target interaction	de la Roche
Thur	Nov	2	5pm	19	B cell development and immunoglobulin re-arrangement	Corcoran
Sat	Nov	4	10.15am			
Tue	Nov	7	5pm	20	MHC 3 : structure and peptide binding	Boyle
Thu	Nov	9	5pm	21	Antigen Presentation by class I molecules	Boyle
Sat	Nov	11	10:15am	22	Antigen Presentation by class II molecules	Kelly
Tue	Nov	14	5pm	23	Dendritic cells	Duncan
Thu	Nov	16	5pm	24	Cytokines I: An introduction	Barlow
Fri	Nov	17	2pm		Tutorial (MHC and antigen presentation)	Kaufman/Kelly
Sat	Nov	18	10.15 am	25	Cytokines II: T helper cells	Barlow
Tue	Nov	21	5pm	26	Cytokines III: Innate lymphoid cells	Barlow
Wed	Nov	22	3:30pm		Tutorial (Dendritic cells)	Duncan
Thu	Nov	23	5pm	27	Cytokines IV: Therapy	Barlow
Sat	Nov	25	10.15 am	28	Lymphocyte signalling: chemokines	Holmes
Tue	Nov	28	5pm	29	Lymphocyte signalling: cytokines	Holmes

LENT TERM 2018

Thu	Jan	18	5pm	30	Lymphoid tissue architecture	Holmes
Sat	Jan	20	10.15 am	31		
Tue	Jan	23	5pm	32	Lymphoid cell trafficking	Holmes
Thu	Jan	25	5pm	33	NK cell receptors	Colucci
Sat	Jan	27	10.15am	34	NK cell genes	Colucci
Tue	Jan	30	5pm	35	NK cell functions	Colucci
Wed	Jan	31	3:30-5 pm		*Tutorial (Innate lymphoid cells)	Colucci
Thu	Feb	1	5pm	36	Viral Immunology - 1	Blacklaws
Fri	Feb	2	5pm	37	Viral Immunology - 2	Blacklaws
Sat	Feb	3	10.15am	38	Vaccinology	Ferguson
Mon	**Feb**	**5**	5pm	39	Viral Immunology - 3	Blacklaws
Tue	Feb	6	5pm	40	Viral immune evasion - 1	Smith
Wed	**Feb**	**7**	5pm	41	Viral immune evasion - 2	Smith
Thu	Feb	8	5pm	42	Viral immune evasion - 3	Smith
Sat	Feb	10	10.15am	43	Mucosal Immunology	Stagg
Tue	Feb	13	5pm	44	Immunity and the microbiome	Barlow
Thu	Feb	15	5pm	45	Immunity to bacteria	Thomas
Sat	Feb	17	10.15am	46	Immunity to bacteria	Thomas
Tue	Feb	20	5pm		Evolution of Immune systems	Kaufman
Sat	Feb	24	10.15am	47	Complement I	Holmes
~~**Mon**~~	~~**Feb**~~	~~**26**~~	~~**9am**~~	~~49~~	~~Helminth Immunology 1~~	~~Wilson~~
~~**Wed**~~	~~**Feb**~~	~~**28**~~	~~**9am**~~	~~51~~	~~Helminth Immunology 2~~	~~Wilson~~
Thu	Mar	1	5pm	52	Reproductive Immunology 1	Moffett
Fri	**Mar**	**2**	**9am**	53	Helminth Immunology 3	Wilson
Fri	**Mar**	**2**	**4pm**	48	Complement II	Holmes
Sat	Mar	3	10.15	50	Complement III	Holmes
Tue	Mar	6	3pm	54	Reproductive Immunology 2	Moffett
Tue	Mar	6	5pm	55	Reproductive Immunology 3	Moffett

EASTER TERM 2018

Thu	April	26	5pm	56	Peripheral Tolerance and autoimmunity	Wållberg
Sat	April	28	10.15am	57	Peripheral Tolerance and autoimmunity	Wållberg
Tue	May	1	5pm	58	Peripheral Tolerance and autoimmunity	Wållberg
Thu	May	3	10am - 5pm		Project presentations	Holmes
Tue	May	8	3:30-5pm		Data Handling skills	Holmes
Thur	May	10	4:30-6pm		Data Handling skills	Holmes