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Immunology, BIOR16, 18 Jan. - 18 March, 2016

Dept. of Biology, <http://www.biology.lu.se/education>

Welcome to the course in immunology! This course will provide a comprehensive overview of the mammalian immune system, and different immunological laboratory techniques.

Course leader: Lars Råberg (LR), lars.raberg@biol.lu.se

Other Teachers: Agnieszka Czopek (AC), Katharina Lahl (KL), Shahram Lavasani (SL), Pablo Salmon (PS), Helena Westerdahl (HW), Björn Weström (BW), Xiuqin Zhong (XZ)

Location: Dept. of Biology, Sölvegatan 35, Biology building D

Teaching activities: L (lecture), Sem (seminar), G (group exercise), Lab, Proj (Project)

Compulsory course activities highlighted in pink (Sem; G; Lab). If you are absent from a compulsory activity without a valid reason you are not guaranteed to complete this part until the next time the course is offered. A valid reason is e.g. that you are ill, but not that you are travelling!

Activities organized by the education office highlighted in green

Literature: AK Abbas and AH Lichtman (2014), Basic Immunology: Functions and disorders of the immune system, 4th ed, Elsevier Saunders (ISBN: 9781455707072)

Web page: liveatlund.lu.se (accessible 1 week before course start)

Date	Time	Activity	Description	Teacher	Location
Mo. 16 Jan.	09.00-10		Introduction (compulsory)	LR et al	
	10.00-12	L	Introduction to the immune system	LR	
Tu. 17 Jan.	09.00-11	L	Overview of the immune cells/organs	LR	
	11.00-12	L	Lab instructions and safety (compulsory)	BW	
We. 18 Jan.	09.00-12	L	Innate immunity	LR	
	13.00-15	L	Antibody-mediated immunity	BW	
Th. 19 Jan.	09.00-12	L	Ag-Ab interactions & Immunoassay	BW	
	13.00-14-30		Information om utbytesstudier (in Swedish)	Tina	Röda rummet
Fr. 20 Jan.	09.00-12	L	T-cells: recognition and MHC	HW	
Mo. 23 Jan.	09.00-17	Lab	Lab 1, grp 1-5	BW, AC	
	09.00-12	Lab	Lab 3, grp 6-10	PS, XZ	
Tu. 24 Jan.	09.00-12	Lab	Lab 1 cont., grp 1-5	BW, AC	
	09.00-17	Lab	Lab 3 cont. & Lab 4, grp 6-10	PS, XZ	
We. 25 Jan.	09.00-17	Lab	Lab 1, grp 11-16	BW, AC	
Th. 26 Jan.	09.00-12	Lab	Lab 1 cont., grp 11-16	BW, AC	
Fr. 27 Jan.	09.00-12	Sem	Group study seminar 1 (grp 1-4, 5-8, 9-12, 13)	LR, HW	
Mo. 30 Jan.	09.00-17	Lab	Lab 1, grp 6-10	BW, AC	
	09.00-12	Lab	Lab 3, grp 1-5	PS, XZ	
Tu. 31 Jan.	09.00-12	Lab	Lab 1 cont., grp 6-10	BW, AC	
	09.00-17	Lab	Lab 3 cont. & Lab 4, grp 1-5	PS, XZ	
We. 1 Feb.	09.00-17	Lab	Lab 5, grp 11-16	BW	
Th. 2 Feb.	09.00-12	L	B- & T-cell differentiation	HW	



Fr. 3 Feb.	09.00-11.30	L	T-cells: Activation and effectors	SL	
	11.30-12		Start of literature project (compulsory)	LR, BW, HW, SL	
Mo. 6 Feb.	09.00-12	Lab	Lab 3, grp 11-16	PS, XZ	
	09.00-17	Lab	Lab 5, grp 1-5	BW	
Tu. 7 Feb.	09.00-17	Lab	Lab 3 cont. & Lab 4, grp 11-16	PS, XZ	
We. 8 Feb.	09.00-17	Lab	Lab 6, grp 6-10	SL	
Th. 9 Feb.	09.00-12	L	T-cells: Tolerance & Autoimmunity	SL	
	13.00-1500		Information about Master's degree projects for Masters students in Biology (compulsory)	J-ÅN	Kärret, Ecology building
	13.00-1500		Information about Master's degree projects for Masters students in Molecular Biology (compulsory)	KF	Hörsalen, Biology Building
Fr. 10 Feb.	09.00-12	Sem	Group study seminar 2 (grp 1-4, 5-8, 9-12, 13)	HW, LR	
Mo. 13 Feb.	09.00-17	Lab	Lab 5, grp 6-10	BW	
	09.00-17	Lab	Lab 6, grp 1-5	SL	
Tu. 14 Feb.	09.00-12	L	Hypersensitivity	BW	
	13.00-15	Lab	Lab 6 cont, grp 6-10	SL	
We. 15 Feb.	09.00-17	Lab	Lab 6, grp 11-16	SL	
Th. 16 Feb.	09.00-12	L	Infection and immunity	LR	
Fr. 17 Feb.	09.00-11	L	Mucosal immunity	KL	
	13.00-15	Lab	Lab 6 cont, grp 1-5	SL	
Mo. 20 Feb.	10.00-12	Lab	Lab 6 cont, grp 11-16	SL	
Tu. 21 Feb.	09.00-11	L	Evolution of the immune system	LR	
We. 22 Feb.		Proj	Group work with literature project		
Th. 23 Feb.		Proj	Group work with literature project		
Afternoon	13.00-18.00		Re-exam, courses autumn period 2		
Fr. 24 Feb.	09.00-12	Sem	Group study seminar 3 (grp 1-4, 5-8, 9-12, 13)	BW, LR	
Mo. 27 Feb.		Proj	Group work with literature project		
Tu. 28 Feb.		Proj	Group work with literature project		
We. 1 Mar.	13.00	Proj	Send literature project to supervisor		
	13.00.00-15.30		Study visit Medicon Village	SL	Scheelevägen 2
Th. 2 Mar.		Proj	Feedback on literature projects (30 min/grp)	BW, HW, LR	
Fr. 3 Mar.	09.00-12	Sem	Lab summary	PS, EA, SL, BW	
Mo. 6 Mar.		Proj	Group work with literature project		
Tu. 7 Mar.	13.00	Proj	Submit final version of literature project at L@L		
We. 8 Mar.		Proj	Prepare presentation of literature project		
Th. 9 Mar.	09.00-12	Sem	Presentaton of literature projects	BW, LR, HW, SL	
Fr. 10 Mar.	09.00-12	Sem	Presentaton of literature projects	BW, LR, HW, SL	
Mo. 13 Mar.					
Tu. 14 Mar.	09.00-10.30		Question time	LR, BW, SL, HW	
We. 15 Mar.					
Th. 16 Mar.					
Fr. 17 Mar.	09.00-13.00		Exam		



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