



PATHOGENS AND IMMUNITY EVASION STRATEGIES

A Lund University based course within the
National Doctoral Program in Infections and Antibiotics

Course description: This 1.5 ECTS course will focus host pathogen interactions. An overview on the immune response against bacterial infections and more detailed lectures on survival strategies of specific pathogens will be provided.

Course organizer: Therése Nordström, therese.nordstrom@med.lu.se, 040-332701

Venue: BMC “I1345”, Lund and Wallenberg “Medelhavet”, Malmö

Date: 12-14 January 2015

Examination: Individual project

Dead-line of registration: 8th of Dec

[Link to registration](#)

Programme (with reservation for amendments)

Monday 2015-01-12

Time	Title	Speaker	Location
09.00-09.30	Welcome and introduction	Therése Nordström	BMC, room I1345
09.30-10.15	When and where in the immune response	Hakon Leffler	BMC, room I1345
10.15-10.30	<i>Coffee</i>		
10.30-11.15	Mucosal innate immune response	Gabriela Godaly	BMC, room I1345
11.15-12.00	Commensals and skin infections	Inga-Maria Frick	BMC, room I1345
12.00-13.00	<i>Lunch</i>		
13.00-13.30	Short presentations of research project		
13.30-14.15	The role of neutrophils and monocytes in innate immunity	Ole Sørensen	BMC, room I1345
14.15-15.00	Innate immune responses in human skin in response to injury and microbes	Ole Sørensen	BMC, room I1345
15.00-15.15	<i>Coffee</i>		
15.15-16.00	Blood cell-derived microvesicles in enterohemorrhagic <i>E. coli</i> infection	Diana Karpman	BMC, room I1345

Tuesday 2015-01-13

Time	Title	Speaker	Location
09.00-09.45	Introduction – Bacteriology in general	Kristian Riesbeck	Wallenberg, Medelhavet
09.45-10.30	Respiratory pathogens	Kristian Riesbeck	Wallenberg, Medelhavet
10.30-10.45	<i>Coffee</i>		
10.45-11.45	Complement evasion mechanisms	Anna Blom	Wallenberg, Medelhavet
11.45-12.30	Mycobacterium tuberculosis – an intracellular pathogen	Erik Sturegård	Wallenberg, Medelhavet
12.30-13.30	<i>Lunch</i>		
13.30-15.00	<i>Pseudomonas aeruginosa</i> – the biofilm expert	Thomas Bjarnsholt	Wallenberg, Medelhavet
15.00-15.15	<i>Coffee</i>		
15.15-16.00	How to specifically interfere with bacterial disease: A better understanding of host-pathogen interactions.	Anders Håkansson	Wallenberg, Medelhavet
18.00-	<i>Dinner event</i>		

Wednesday 2015-01-14

Time	Title	Speaker	Location
09.00-09.45	Innate immunity, genetics and resistance to infection. The urinary tract infection model	Catharina Svanborg	BMC, room I1345
9.45-10.30	Pathogens driving autoimmune responses	Thomas Hellmark	BMC, room I1345
10.30-10.45	<i>Coffee</i>		
10.45-11.30	<i>Streptococcus pyogenes</i> - the true expert of the human immune system	Mattias Collin	BMC, room I1345
11.30-12.15	Airway host defense	Arne Egesten	BMC, room I1345
12.15-13.15	<i>Lunch</i>		
13.15-14.00	The molecular mechanisms behind sepsis	Heiko Herwald	BMC, room I1345
14.00-14.45	Group discussions		BMC, room I1345
14.45-15.00	<i>Coffee</i>		
15.00-16.00	Presentation of individual project and closure	Therése Nordström	BMC, room I1345
