**Cellular and Molecular Immunology, BIOR75, 20 March - 2 June, 2017**


**Course leader:** Lena M. Svensson lena_m.svensson@med.lu.se, Dan Holmberg

**Other Teachers:**

**Location:** BMC Sölvegatan 19

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

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!

**Literature:** "Janeway’s Immunobiology"; 9th edition; Murphy, Garland Publishing Inc 2016

**Web page:** Web page: L@L. Students have access around 1 week before the start of the course

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Activity</th>
<th>Description</th>
<th>Teacher</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mo. 20 March</td>
<td>10.30-12</td>
<td>Introduction</td>
<td>Mandatory</td>
<td>LS,DH</td>
<td>BMC I 1251/53</td>
</tr>
<tr>
<td>Tu. 21 March</td>
<td>13.15-15</td>
<td>Flowcytometry workshop</td>
<td>(Mandatory)</td>
<td>MD</td>
<td>BMC I 1251/53</td>
</tr>
<tr>
<td>We. 22 March</td>
<td>10.15-12.00</td>
<td>Homostasis</td>
<td></td>
<td>FI</td>
<td>BMC I 1251/53</td>
</tr>
<tr>
<td>Fr. 24 March</td>
<td>10.15-12.00</td>
<td>Group assignment Homostasis</td>
<td>(Mandatory)</td>
<td></td>
<td>BMC I 1208, BM</td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td>History of immunology</td>
<td></td>
<td>TL</td>
<td>BMC I 1251/53</td>
</tr>
<tr>
<td></td>
<td>13.00-17.00</td>
<td>No scheduled classes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo. 27 March</td>
<td>10.30-12.00</td>
<td>Discussion Homestasis case</td>
<td>(Mandatory)</td>
<td>LS</td>
<td>C315</td>
</tr>
<tr>
<td>Mo. 27 March</td>
<td>13.15-15.00</td>
<td>T cell lecture 1</td>
<td></td>
<td>KL</td>
<td>BMC I 1251/53</td>
</tr>
<tr>
<td>Tu. 28 March</td>
<td>10.30-12.15</td>
<td>T cell lecture 2</td>
<td></td>
<td>KL</td>
<td>BMC I 1251/53</td>
</tr>
<tr>
<td>We. 29 March</td>
<td>10.15-12.00</td>
<td>RAT T cell</td>
<td>(Mandatory)</td>
<td>LS, AS</td>
<td>C315</td>
</tr>
<tr>
<td>Th. 30 March</td>
<td>10.15-12.00</td>
<td>Information om att söka kursar och program inför höst 2017 (på svenska)</td>
<td>Lotta, Tina</td>
<td>Röda Rummet</td>
<td>C315</td>
</tr>
<tr>
<td></td>
<td>12.30-13.30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-17.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Activity</td>
<td>Instructor(s)</td>
<td>Course Code</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
<td>-----------------------------------------------</td>
<td>---------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td><strong>Fr. 31 March</strong></td>
<td></td>
<td>Group assignment T cell (Mandatory)</td>
<td>BMC I 1208, BM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mo. 3 April</strong></td>
<td></td>
<td>Group discussion T cell week (Mandatory)</td>
<td>LS, KL</td>
<td>BMC I 1245/50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.30-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mo. 3 April</strong></td>
<td></td>
<td>B cell lecture 1</td>
<td>JY</td>
<td>BMC I 1251/53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tu. 4 April</strong></td>
<td></td>
<td>B cell lecture 2</td>
<td>JY</td>
<td>BMC I 1251, BM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>We. 5 April</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Th. 6 April</strong></td>
<td></td>
<td>RAT B cell (Mandatory)</td>
<td>LS, AS</td>
<td>C315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-17.00</td>
<td>No scheduled classes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fr. 7 April</strong></td>
<td></td>
<td>Group assignment B cell (Mandatory)</td>
<td>BMC I 1208, BM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mo. 10 April</strong></td>
<td></td>
<td>Group discussion B cell week (Mandatory)</td>
<td>DH, AS</td>
<td>C315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.30-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tu. 11 April</strong></td>
<td></td>
<td>Lecture Autoimmunity 1</td>
<td>AS</td>
<td>BMC I 1251/53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>We. 12 April</strong></td>
<td></td>
<td>Lecture Autoimmunity 2</td>
<td>AS</td>
<td>BMC I 1251/53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Th. 13 April</strong></td>
<td></td>
<td>Easter holiday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fr. 14 April</strong></td>
<td></td>
<td>Easter holiday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mo. 17 April</strong></td>
<td></td>
<td>Easter holiday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tu. 18 April</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>We. 19 April</strong></td>
<td></td>
<td>RAT autoimmunity (Mandatory)</td>
<td>LS</td>
<td>C315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Th. 20 April</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fr. 21 April</strong></td>
<td></td>
<td>Group assignment (Mandatory)</td>
<td>ingen</td>
<td>BMC I 1208, BM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mo. 24 April</strong></td>
<td></td>
<td>Group discussion (Mandatory)</td>
<td>AS,LS</td>
<td>C315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.30-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tu. 25 April</strong></td>
<td></td>
<td>Mucosal Lecture 1</td>
<td>KAL</td>
<td>BMC I 1251/53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>We. 26 April</strong></td>
<td></td>
<td>Mucosal Lecture 2</td>
<td>WA</td>
<td>BMC I 1251/53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Th. 27 April</strong></td>
<td></td>
<td>RAT Mucosal (Mandatory)</td>
<td>LS;AH</td>
<td>C315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-18.00</td>
<td>Re-exam courses spring period 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fr. 28 April</strong></td>
<td></td>
<td>Group assignment mucosal (Mandatory)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.15-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mo. 1 May</strong></td>
<td></td>
<td>No scheduled classes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tu. 2 May</strong></td>
<td></td>
<td>Group discussion Mucosal (Mandatory)</td>
<td>KAL, LS</td>
<td>C315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.30-12.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td>Lecture memomory</td>
<td>BJL</td>
<td>BMC I 1251/53</td>
<td></td>
</tr>
<tr>
<td><strong>We. 3 May</strong></td>
<td></td>
<td>RAT memory (Mandatory)</td>
<td>LS,AS</td>
<td>C315</td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Activity</td>
<td>Location</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>----------</td>
<td>-----------------------------------------------</td>
<td>-----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th. 4 May</td>
<td>13.00-17.00</td>
<td>No scheduled classes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fr. 5 May</td>
<td>10.15-12.00</td>
<td>Infection 1</td>
<td>KAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-17.00</td>
<td>Group assignment memory (Mandatory)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo. 8 May</td>
<td>10.30-12.00</td>
<td>Group discussion (Mandatory)</td>
<td>BJL, LS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tu. 9 May</td>
<td>10.15-12.00</td>
<td>Infection 2</td>
<td>JP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>We. 10 May</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th. 11 May</td>
<td>10.15-12.00</td>
<td>RAT Infection (Mandatory)</td>
<td>LS, AH</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-17.00</td>
<td>No scheduled classes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fr. 12 May</td>
<td>10.15-12.00</td>
<td>Group assignment infection (Mandatory)</td>
<td>BMC I 1208, BM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo. 15 May</td>
<td>10.30-12.00</td>
<td>Group discussion infection (Mandatory)</td>
<td>JP, LS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.15-15.00</td>
<td>Tumor immunology I</td>
<td>KL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tu. 16 May</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>We. 17 May</td>
<td>13.00-15.00</td>
<td>RAT tumor (Mandatory)</td>
<td>LS, AS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th. 18 May</td>
<td>13.00-17.00</td>
<td>Group assignment/ projectlab (Mandatory)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fr. 19 May</td>
<td>10.15-12.00</td>
<td>Group assignment/ projectlab (Mandatory)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13.00-15.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo. 22 May</td>
<td></td>
<td>Group assignment/ projectlab (Mandatory)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tu. 23 May</td>
<td></td>
<td>Group assignment/ projectlab (Mandatory)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>We. 24 May</td>
<td></td>
<td>extra time group assignment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th. 25 May</td>
<td></td>
<td>Holiday, Ascension Day</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fr. 26 May</td>
<td></td>
<td>Holiday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mo. 29 May</td>
<td>13.00-17.00</td>
<td>group presentation proposal, lab exam questions (Mandatory)</td>
<td>C315</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tu. 30 May</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>We. 31 May</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Th. 1 June</td>
<td>13.00-17.00</td>
<td>No scheduled classes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fr. 2 June</td>
<td>00:00</td>
<td>Examination</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.00-19.00</td>
<td>Barbecue for Master's students, Exchange students and teachers at the Dept. of Biology</td>
<td>Ecology building</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>