<table>
<thead>
<tr>
<th>Date</th>
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| 180320 | F        | **09.30 Roll-call**  
|        | C        | **10.15-12.00 Introduction to KEMM13, UJ** |
| 180321 | C        | **10.15-12.00 Lecture: Receptors and signal transduction, UJ** |
| 180322 | C        | **10.15-12.00 Lecture: Transporters 1, UJ** |
| 180323 | B        | **10.15-12.00 Lecture: Transporters 2, UJ**  
|        | G        | **13.15-15.00 Introduction to LAB 2, UJ/VN/TP/DT** |
| Easter |          |          |
| 180403 | G        | **10.15-12.00 Lecture: Introduction to molecular biology techniques, UJ**  
|        |          | (Hand in problem 1) |
| 180404 | G        | **10.15-12.00 Lecture: PCR, primer design and cloning strategies, UJ** |
|        | G        | **13.15-15.00 Problem 1 discussion, UJ** |
| 180405 | G        | **10.15-12.00 Lecture: Membrane protein topology prediction and simple model building, (LAB 1 theory), UJ**  
|        | G        | **13.15-14.00 Lecture: Modeling membrane proteins, IA** |
| 180406 | B        | **10.15-12.00 Lecture: Fusion protein techniques (LAB 1 theory), UJ**  
|        | G        | **13.15-14.00 Presentation of LAB 2 project plans vers. 1, UJ/VN/TP**  
|        | G        | **14.15-15.00 Introduction to lab hall and safety rules, VN/TP/DT** |
| Weekend |          |          |
| 180409 |          | LAB 1, VN/DT |
| 180410 |          | LAB 1 |
| 180411 |          | LAB 1 |
| 180412 |          | LAB 1 (Atlas, LUNA’s arbetsmarknadshdag) |
| 180413 |          | LAB 1 |
| Weekend |          |          |
| 180416 | G        | **10.15-12.00 Lecture: Basic bioenergetics, SH** |
| 180417 | B        | **10.15-12.00 Lecture: Proton gradients, SH** |
| 180418 | G        | **10.15-12.00 Lecture: Respiratory chains, SH** |
| 180419 | B        | **10.15-12.00 Lecture: ATP synthase, SH** |
| 180420 | G        | **10.15-12.00 Lecture: Expression, solubilization and purification of membrane proteins, SH**  
<p>|        |          | (Hand in LAB 1 report) |
| Weekend |          |          |
| 180423 | G        | <strong>10.15-12.00 Lecture: Crystallization of membrane proteins, SH</strong> |
| 180424 | G, Au    | <strong>13.15-16.00 Protein purification in silico, VN/TP</strong> |
|        | Au       | Presentation preparations |
| 180425 | Au       | Presentation preparations |
| 180426 | B        | <strong>10.15-12.00 Presentation of LAB 2 project plans vers. 2, UJ/VN/TP/DT</strong> |
|        | Au       | <strong>13.15-15.00 Primer design, VN/TP/DT, (Hand in primers 21.00)</strong> |
| 180427 | Au       | <strong>13.15-16.00 Reviewing and ordering primers for LAB 2, VN/TP/DT</strong> |
| Weekend |          |          |
| 180430 |          | Last of April |
| 180501 |          | Holiday |
| 180502 |          | (Hand in problem 2) |</p>
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<tr>
<td>180503</td>
<td>B F 10.15-12.00 Problem 2 discussion, SH</td>
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<td>13.15-14.00 Lecture: Bacterial conversion of dietary fiber, HS</td>
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<td>180504</td>
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<td>180507</td>
<td>LAB 2, VN/TP/DT</td>
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<td>180510</td>
<td>Kristihimmelsfärdsdag (Ascension)</td>
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<td>Klämdag</td>
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<td>180524</td>
<td>Outside lecturehall A 13.00 - LAB 2 poster presentation</td>
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<td>180529</td>
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<td>180530</td>
<td>G 10.15-11.00 Questions, SH</td>
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<td>11.15-12.00 Questions, UJ</td>
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<td>180531</td>
<td>Study period</td>
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<td>180601</td>
<td>H+I 10.15-15.00 Exam</td>
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<tr>
<td>180615</td>
<td>L 10.15-15.00 Retake exam</td>
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To attend lectures is optional, whereas the three problem solving exercises, all the lab work and related exercises are mandatory (marked in bold). If you for any reason need to be absent during lab work, discuss with your lab assistants how to make up for the lost time. LAB 1 should be documented and handed in as a written lab report, whereas the LAB 2 work is reported on a poster.

The lab is normally open 9.00 – 18.00. Depending on the experiments, some days less time is spent in the laboratory.

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