

## MF9490 - Laboratory animal handling 23.9.- 26.9.2013

### Monday 23/9 GA21 R-105 Auditorium Runde, Domus Medica, Rotunden

9:00-9:15 Introduction  
9:15-10 Animal models for biological research  
10:15-11 Mammal models for biological research  
11:15-12 Legislation and regulation

13:00-13.45 Legislation and regulation  
14:00-14.45 Anesthesia of experimental animals  
15:00-15.45 Anaesthesia of experimental animals

### Tuesday 24/9 GA21 R-105 Auditorium Runde, Domus Medica, Rotunden

9:00-9:45 Application for animal experiments to FDU  
10:00-10:45 Application for animal ethics to FDU  
11.00-11.45 Housing, care and environmental factors  
12.00-12.45 Health hazards when working with experimental animals (laboratory- and field-experiments)

13:15-14:00 Statistics I  
14:15-15:00 Statistics II  
15:15 -16:00 The impact of stress

### Wednesday 25/9 GA01 2015 Ny auditorium 13, Domus Medica

9:00-9:45 Comparative genetics in experimental animals  
10:00-10:45 Field studies  
11:00-11:45 Transgenic animals

12:30-13.15 Ethics in handling of mammals  
13:30-14.15 Alternatives to laboratory animals (3R)  
14:30-15.15 Capturing wild animals  
15:15-16:00 Experiments on fish

### Thursday 26/9 Demonstrations and practical animal handling IMB and IBV

9-13 three groups 1. Animal stables at IBV, Capturing wild animals  
2. Animal facility at IMB: Tour, blood sampling of mice&rats, handling  
3. Aquarium-department, blood sampling of fish

### Friday 27/9 Seminar rooms + GA01 2015 Ny auditorium 13, Domus Medica

**Group work:** The lecturers will prepare relevant questions from their lectures for discussion in small groups and written answers are made from each group. Plenum discussion at the end.

**Exam:** The students are to fill out an application to FDU. The lecturers will prepare three optional experiments to apply for: Either 1) Field work, 2) Fish experiments, 3) Mammal experiments. Students may work together in pairs but individual delivery of exams should be performed. The exam should be handed in by October 1<sup>st</sup>, 2013.

### Lecturer

Harald Carlsen  
Jon Paul Hildahl, IBV, UiO  
Ludvig Munthe  
Siri Kristine Knudsen, UiTø

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Atle Mysterud, IBV, CEES, UiO  
Harald Carlsen

Vera K. Rodas  
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Morten Bronndal, IBV, UiO  
Göran Nilsson, IBV, UiO

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