

PhD course in Animal Pain

Programme

Day 1: Monday 9 March from 9.30-20.00

Time	Event	By who
09.30-10.00	Coffee and arrival	
10.00-11.00	Welcome - Introduction to the course and to animal pain	Björn & Mette
11.00-11.15	Break	
11.15-12.45	Topic I. How far are we in the quantification of animal pain (part 1)?	Johnny Roughan
12.45-13.45	Lunch	
13.45-15.15	Topic I. How far are we in the quantification of animal pain (part 2)?	Johnny Roughan
15.15-15.45	Break combined with identification of main points of Topic I. Participants discuss in pairs (walk-and-talk possible). Written delivery to Mette/Björn.	
15.45-16.45	3 x participant presentation – 15 min each Anna: Biomarkers in synovial fluid and serum for diagnosis of pain in horses Khaled: Pain in rat models of metabolic osteoarthritis Anja: Pain medication- the regulatory perspective and dilemmas during registration of veterinary medicines	
16.45-17.00	Break	
17.00	Introduction to group work	Mette & Björn
17.15-18.45	Group work on Topic I 1. Answering questions based on talk/literature, preparation of report to next day. 2. Prepare questions to Johnny for Topic I. Written delivery to Johnny before 21.00.	
19.00-20.00	Dinner	

Day 2: Tuesday 10 March from 9.00-20.00

Time	Event	By who
9.00-9.30	Feedback to student questions and take-home messages from Topic I	Johnny Roughan Björn & Mette
9.30-11.00	Topic II. Pain and management procedures in cattle (part 1)	Cassandra Tucker
11.00-11.15	Break	
11.15-13.15	Topic II. Pain and management procedures in cattle (part 2)	Cassandra Tucker
13.15-14.15	Lunch	
14.15-14.45	Identification of main points in Topic II - Participants discuss in pairs (walk-and-talk possible) - Written delivery to Mette/Björn	
14.45-15.45	3 x participant presentations, 15 min each Riikka: Differences in activity iron disbudded calves using xylazine and combining it to ketamine and levomethadon Agnes: Effect of pair versus individual housing on calves' reactions to disbudding Joanna: Improving welfare for pigs, poultry and cattle on the day of slaughter	
15.45-16.00	Break	
16.00-17.00	3 x participant presentations, 15 min each Laure: Study of the impact of acute somatic pain caused by inflammation and its alleviation in cattle Mathilde: Multidimensional assessment of pain in piglets after castration Cornelia: Assessment of crushing losses in piglets during lactation period in loose housing	
17.00-17.15	Break	
17.15-18.45	Group work on Topic II 1. Answering questions based on talk/literature, preparation of report to next day. 2. Prepare questions to Cassandra for Topic II. Written delivery to Cassandra before 21.00.	
19.00-20.00	Dinner	

Day 3: Wednesday 11 March from 9.00-20.00

Time	Event	By who
9.00-9.30	What did we learn yesterday? Feed-back to student questions and take-home messages	Björn & Mette + Cassandra Tucker
9.30-11.00	Animal pain and assessment of animal welfare	Björn Forkman
11.15	Bus leaves for excursion Destination: Animal facilities at Copenhagen University	
12.00-13.00	Lunch at Blegdamsvej 3B (lunchboxes from hotel)	
13.00-14.30	Animal models for pain research – what do they really tell us?	Klas Abelson
14.30-16.30	Tour	
16.45	Bus leaves for hotel	
17.30-18.00	Identification of main points from Björn and Klas - Participants discuss in pairs (walk-and-talk possible) - Written delivery to Mette/Björn	
19-20	Dinner	

Day 4: Thursday 12 March from 9.00-?

Time	Event	By who
9.00-9.15	What did we learn yesterday?	Björn & Mette
9.15-10.15	3 x participant presentations, 15 min each Emma: Quantifying and managing pain associated with piglet processing Anneli: Nursing and training of pigs used in renal transplantation studies Linda: Aggressive and social behaviour at mixing of sows and assesment of skin damage	
10.15-10.30	Break	
10.30-12.00	Topic III: Evolutionary aspects of pain and suffering (part 1)	Jennifer Mather
12.00-13.00	Lunch	

13.00-14.30	Topic III: Evolutionary aspects of pain and suffering (part 2)	Jennifer Mather
14.30-15.00	Break and identification of main points from Jennifer. Participants discuss in pairs (walk-and-talk possible) - Written delivery to Mette/Björn	
15.00-16.00	3 x participant presentations – 15 min each Cecilie: Welfare assessment of zoo-housed polar bears Hanna: Pain alleviation in castrated reindeers Regine: Play and poor welfare – a coping strategy	
16.00-16.30	Break	
16.30-18.00	Group work on Topic III 1. Answering questions based on talk/literature, preparation of report to next day. 2. Prepare questions to Jennifer for Topic III. Written delivery to Jennifer before 21.00.	
19.00	Banquet at the venue	

Day 5: Friday 13 March from 9.00-13.15

Time	Event	By who
9.00-9.30	What did we learn? Feed-back to student questions and take-home messages	Björn & Mette Jennifer Mather
9.30-11.00	How can we study whether ectothermic vertebrates feel pain?	Catherine Williams
11.00-11.15	Break	
11.15-12.15	3R, animal pain research and study quality	Mette Herskin
12.15-12.45	Course evaluation	
12.45	Lunch and goodbye	