

PhD course
Animal Pain

Final programme

Day 1: Monday 7 March, 9:30 – 20:30

Time	Event	By who
09:30-10:00	Coffee and arrival	
10:00-10:30	Welcome, presentation of programme - Our ideas behind this course	Björn & Mette
10:30-12:00	Introduction to animal pain – the role of animals on the way from Descartes to the pain matrix	Mette
12:00-13:00	Lunch	
13:00-14:30	Nociceptive responses – why and how to quantify it in animals?	Pierpaolo Di Giminiani
14:30-15:00	Break	
15:00-16:30	Nociceptive responses II	Pierpaolo Di Giminiani
16:30-16:45	Break	
16:45-18:00	Participant presentations, 4 x 15 min Catherine W.: Integrating behaviour into a physiological model of nociception in <i>Python regius</i> Catherine O.: Degenerative joint disease and pain in commercial pigs Sara: Satellite glial cells' involvement in neuropathic pain Conor: Individual differences in pain sensitivity as a personality trait in domestic dogs	
18:00-19:00	Dinner	
19:00-20:30	Group work: Answering questions based on talks of the day/literature + preparing questions for Pierpaolo	

Day 2: Tuesday 8 March, 8:30 – 22:30

Time	Event	By who
08:30-09:00	What did we learn yesterday? Feed-back to student questions and take-home messages	Pierpaolo Björn & Mette
09:00-11:15	Introduction to pain relief	Klas Abelson

11:15-11:30	Break	
11:30-12:45	Participant presentations, 4 x 15 min Sarah: The startle response as an indicator of pain in dairy calves Alice: Pain at disbudding in cattle Mona: Why do we need to reduce/eliminate both tail biting and tail docking in pigs? Kirstin: Dairy cows and fitness for transport	
12:45-13:45	Lunch	
13:45-15:15	Group work: Answering questions based on talks of the day/literature	Klas Björn & Mette
15:15	Departure with bus	
16:00-21:00	Excursion and dinner Destination: the wildest place in town ☺ Bus leaves at 21:45	Carsten Grøndahl

Day 3: Wednesday 9 March, 8:30 – 20:45

Time	Event	By who
08:30-09:00	What did we learn yesterday? Feed-back to student questions and take-home messages	Björn & Mette
09:00-10:30	Why does pain hurt?	Victoria Braithwaite
10:30-11:00	Coffee break	
11:00-12:30	Why does pain hurt? II	Victoria Braithwaite
12:30-13:30	Lunch	
13:30-15:00	Participant presentations, 5 x 15 min Linda: Fish welfare in capture fisheries Maria R.: What does a calving cow prefer – exploiting isolation.-seeking behaviour Luisa: Finishing young bulls health and behavioural response to different environmental changes and farm managements Maria S.: Diseases effect on dairy cows' activity Ida: Risk factors for leg problems and associated pain in broilers	
15:00-15:15	Break	

15:15-16:45	Recent Danish research focusing on different aspects of animal pain (2 x 30 min + questions) Katrine Kop Fogsgaard: Behavioural consequences of bovine mastitis – is it pain? (30 min) Karina B. Gleerup: Pain faces in farm animals? (30 min)	
16:45-17:00	Break	
17:00-18:15	Participant presentations, 4 x 15 min Torun: Rearing undocked pigs, is it possible without tail biting? Christina: Effect of keel bone fractures on individual laying hen productivity and mobility Cecilia: Correlation between foot and leg pain, mobility and performance in dairy cattle Katryn: Specialist in the Zoo World – a generalist	
18:15-19:15	Dinner	
19:15-20:45	Group work: answering questions based on talks of the day/literature + preparing questions for Victoria	

Day 4: Thursday 10 March, 8:30 – 22:00

Time	Event	By who
08:30-09:00	What did we learn? Feed-back to student questions and take-home messages	Björn & Mette Victoria
09:00-10:30	Pain and suffering in animals	Dan Weary
10:30-11:00	Break	
11:00-12:30	Pain and suffering II	Dan Weary
12:30-13:30	Lunch	
13:30-15:00	Student presentations, 5 x 15 min Käthe: Wing fractures in broilers Anna: A more feasible WelFur-Mink protocol without reducing the reliability of the welfare assessment Oleksiy: Automatic detection of social interactions in the waiting area to automatic milking stations by video surveillance Matteo: New tools to assess emotional reactions in sheep Mari: Animal welfare problems in organic dairy calves	

15:00-15:15	Break	
15:15-16:15	Pain and animal welfare assessment?	Björn Forkman
16:15-16:30	Break	
16:30-18:00	Group work: answering questions based on talks of the day/literature + preparing questions for Dan	
19:30	Banquet at the venue	

Day 5: Friday 11 March, 9:00 – 12:00

Time	Event	By who
09:00-09:30	What did we learn? Feed-back to student questions and take-home messages	Björn & Mette Dan
09:30-10:30	3R, animal pain research and study quality	Mette Herskin
10:30-11:00	Break	
11:00-12:00	Grand summary & course evaluation	Björn & Mette
12:00	Lunch and goodbye	