

Assessment, Prevention and Alleviation of Pain and Distress in Laboratory Animals

16th to 18th July 2019

Comparative Biology Centre, Newcastle University, Medical School,
Framlington Place, Newcastle Upon Tyne, NE2 4HH

Course tutors: PAF – Professor Paul Flecknell

JVR – Dr. Johnny Roughan

ML - Dr. Matt Leach

AM – Dr Amy Miller

Tuesday 16th July

10:00 Coffee and Registration

10:15 Introduction and use of iPads (PAF)

10:30 What is pain and distress? An introduction and overview of consciousness in animals, and a discussion of the lack of coherence between legislation, ethics, science and philosophy (PAF)

11:15 Pain and Nociception - practical physiology, just enough to appreciate the factors that influence pain and analgesic efficacy (PAF)

12:00 Measuring pain – research tools ,practical approaches and current “state of the art” (JVR)

13:00 Lunch

13:45 Cage-side means of assessing Pain - Behavioural scoring, Rat (JVR)

14:00 Cage-side means of assessing Pain - Behavioural scoring, Mice (AM)

14.45 Analgesics - Practical Pharmacology – What drugs do we use, could we use, and how do they act? (Part 1) (PAF)

15.30 Tea

15.45 Problems of behaviour-based assessment (JVR)

16.30 Close

Wednesday 17th July

- 9:00 Cage-side means of assessing Pain - Behavioural scoring, Rabbits (ML)
- 9.45 Pain Faces - what are they and why should we use them (ML)
- 10:15 Scoring pain faces in mice - how to do it (ML)
- 11.00 Coffee
- 11.15 Scoring pain faces in rats - how to do it (ML)
- 11.45 Scoring pain faces in rabbits - how to do it (ML)
- 12.15 Cage side assessment of pain and distress – what are we assessing and how do we do it? (PAF)
- 13.00 Lunch
- 13:45 Practical Pharmacology – What drugs do we use, could we use, and how do they act? (Part 2) (PAF)
- 14.15 Problems in mouse pain management and potential solutions (JVR)
- 14.45 Analgesics - what to give, when and how (PAF)
- 15.30 Tea
- 15.45 Using analgesics in a research environment - problems and pitfalls (PAF)
(PAF)
- 19:30 Dinner at “Peace and Loaf” Restaurant, 217, Jesmond Road, Newcastle

Thursday 18th July

- 09:00 Pain and distress during rodent euthanasia – what is current best practice?
(ML)
- 09.45 Problem solving – what analgesics for what procedures? (PAF)
- 10:45 Coffee
- 11.00 Pain management in large animals (PAF)
- 12.00 What do we know about pain and pain management in non-mammalian
species? (PAF)
- 13.00 Lunch
- 13.45 Problem solving – when science and welfare conflicts arise (PAF)
- 14.45 Final discussions
- 15.00 Close