List of suggested reading material for the 2016 PhD course in Animal Pain

**Basic pain biology**


**Nociceptive responses**


**Measures of animal pain**


Pain assessment

Pain relief
Jensen et al. 2015. Preferences of lame cows for type of surface and level of social contact in hospital pens. J. Dairy Science 98: 4552-4559.

Pain, welfare and suffering
Daros et al. 2014 Separation from the dam causes negative judgment bias in dairy calves. PLOS ONE 9, e98429, (5p).

Animal models and the quality of animal pain studies
Hooijmans et al. 2014. SYRCLE’s risk of bias tool for animal studies. BMC Medical Research Methodology 14: 43 (9p)
Macleod et al. 2015. Risk of bias in reports of in vivo research: a focus for improvement. PLOS Biology DOI: 10.1371/journal.pbio.1002273, (12p).
Tuyttens et al. 2014. Observer bias in animal behaviour research: can we believe what we score, if we score what we believe? Animal Behaviour 90: 273-280.