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The effect of controllability and predictability on anticipatory behaviours in lambs: An STSM experience

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STSM



INRA
SCIENCE & IMPACT

- Spent 3 months in Clermont-Ferrand 2015
- Study visit to INRA's facilities





Background and aim

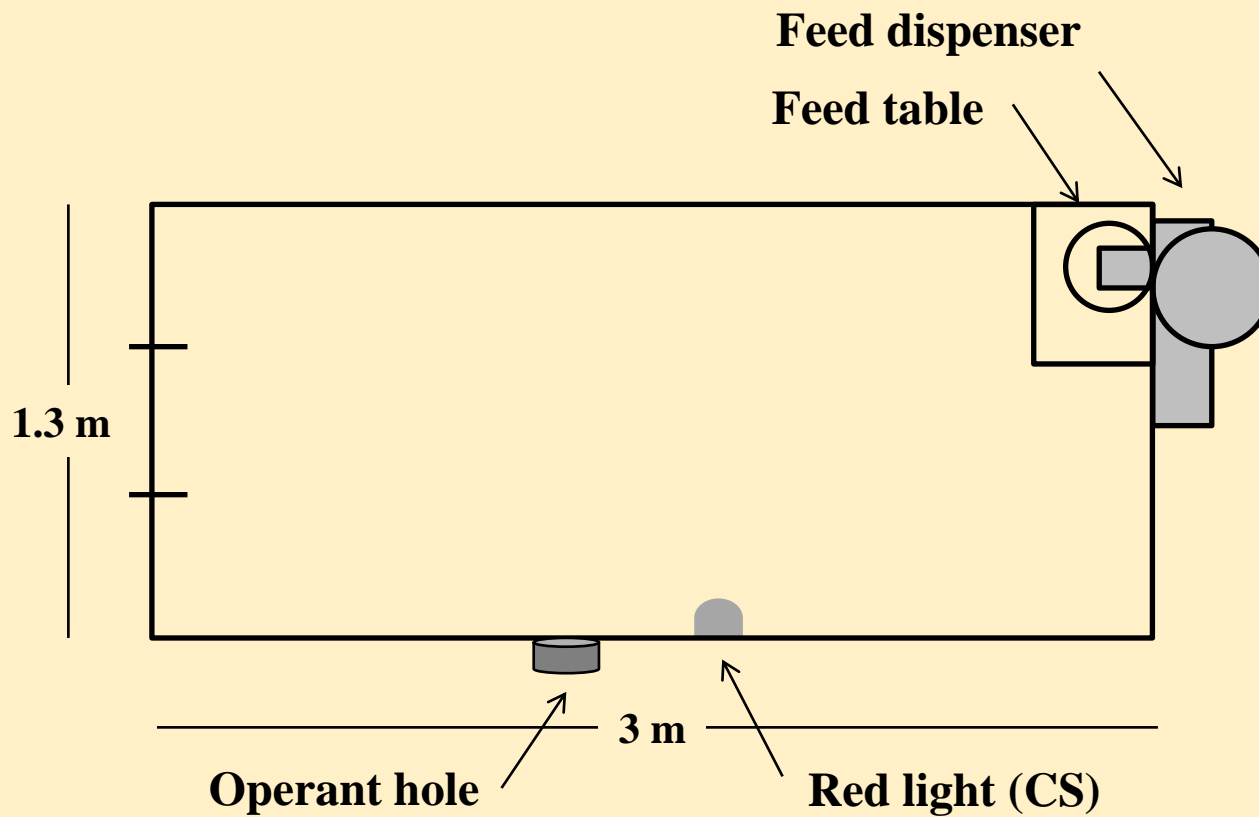
- **The importance of positive emotions...**
- **Anticipation...**
- **Frustration:** The resulting feeling of being prevented from achieving something

(Manning & Stamp Dawkins, 1998; Soanes, 2003)

- **Controllability:** The occurrence of an event is depending on a response

(Bassett & Buchanan-Smith, 2007; Puppe *et al.*, 2007)

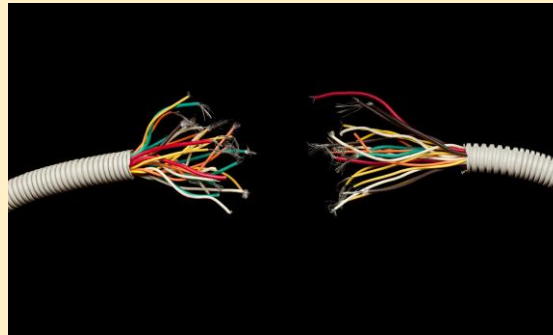
The **aim** of this study was to assess if an element of controllability would affect anticipatory behaviours in lambs



Treatment	Predictability	Controllability
Control treatment	✘	✘
Pavlovian treatment	✚	✘
Operant treatment	✚	✚

Training and testing

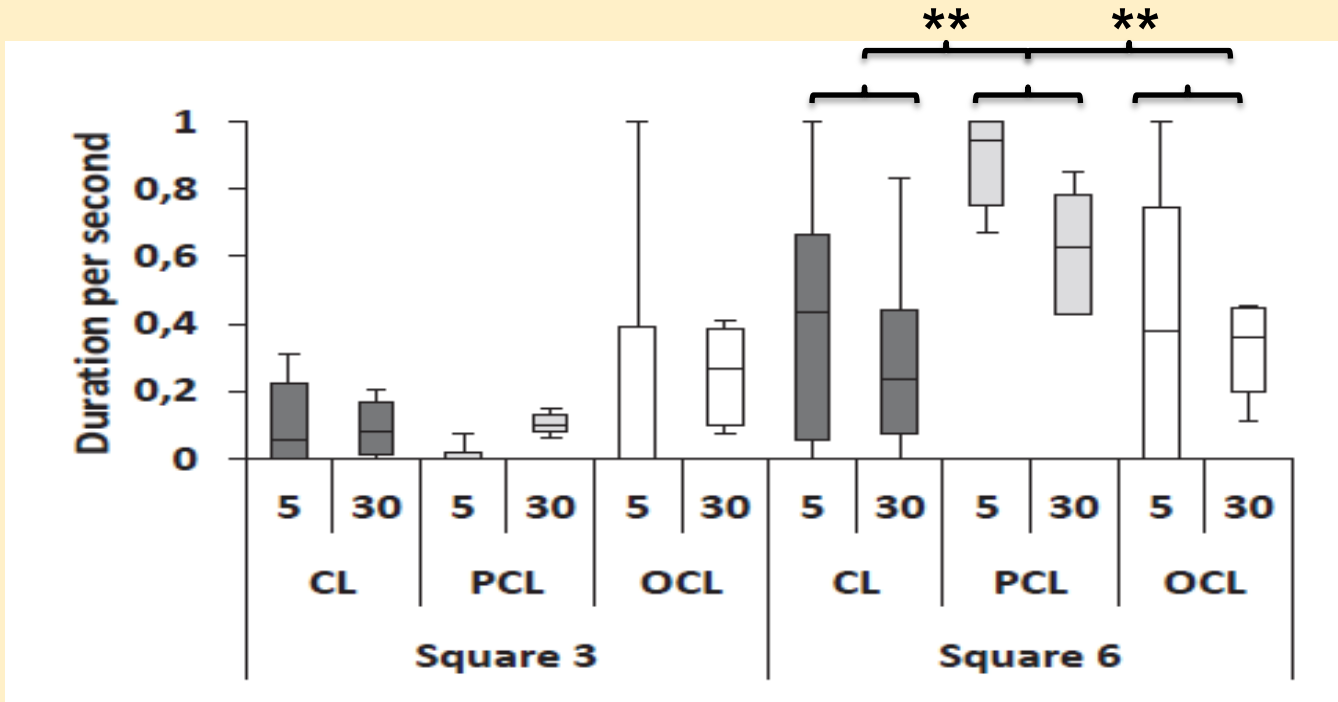
- Trained with 5 s CS-US interval
- Planned to gradually increase the interval
- Problems...
- 30 s delay between cue and US
- 20/36 completed the study



Results: Location

Square 3 = by cue/hole

Square 6 = by feed bowl





To conclude...

- Difficult to draw inferences from this study
- Potential control -> loss of control
- Important to try to understand emotional states during anticipation



My experience of my STSM

- Working with another group
- Good experience...in hindsight
- Language...

Thank you

