

# Signalling the Vaginal Code: A Dual Role for Oxytocin in Sexual Partner Preference and Reproduction

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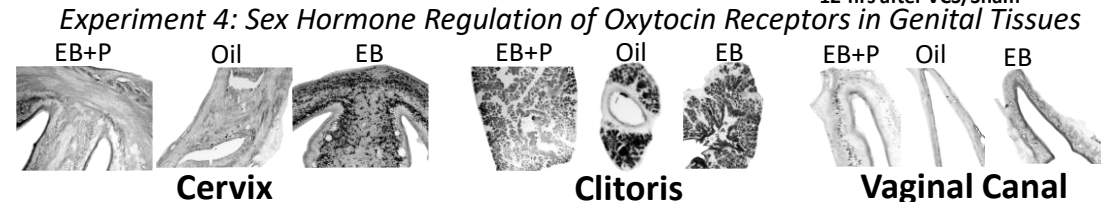
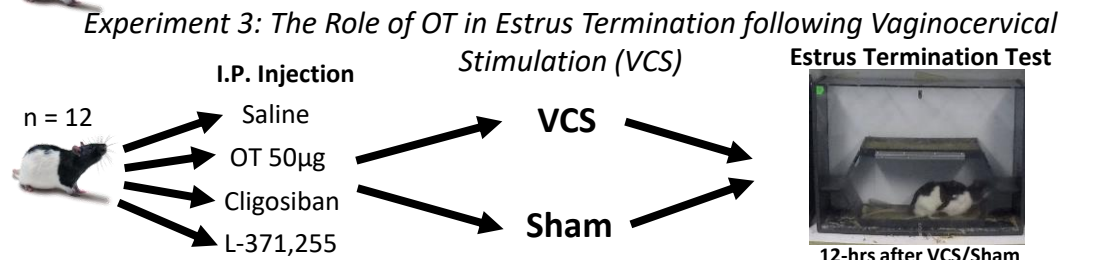
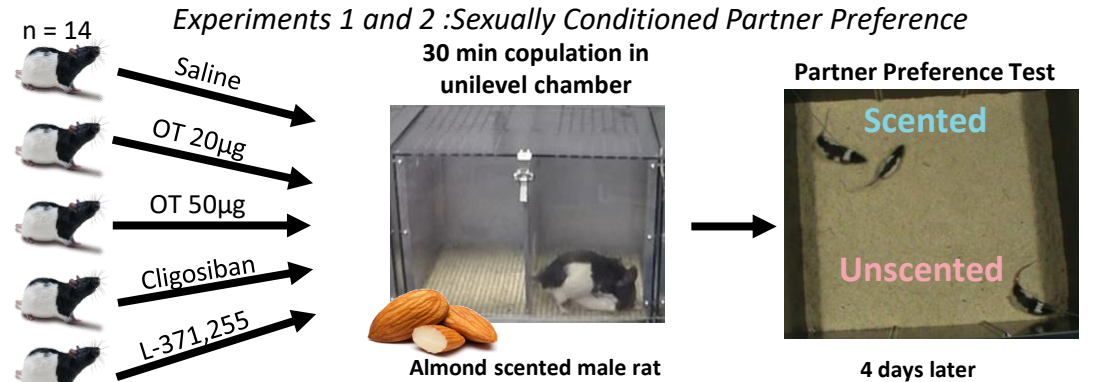
## Background

- Stimulation of the cervix during sex facilitates the formation of sexual partner preferences and the progestational state necessary for pregnancy in rats.
- In female rats, oxytocin (OT) is released during and after copulation.
- OT induces prolactin spikes
- OT transmission is also necessary for the formation of pair bonds in prairie voles.

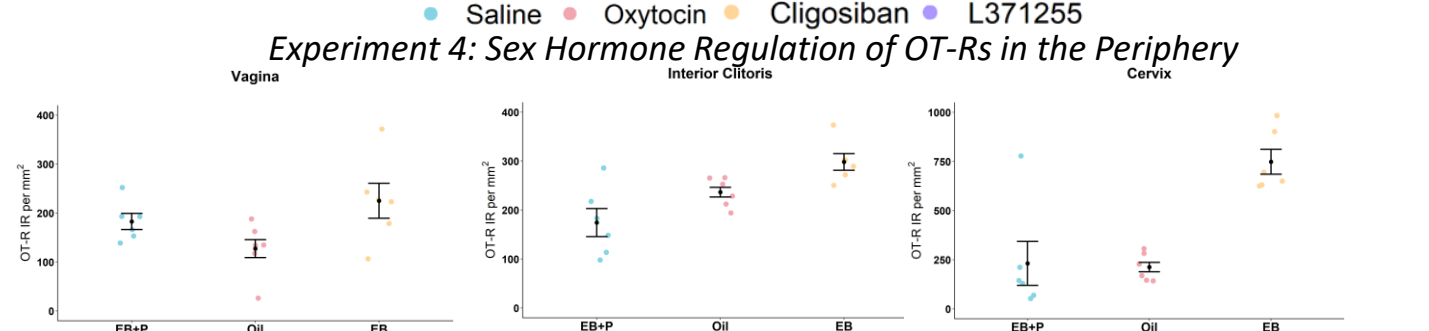
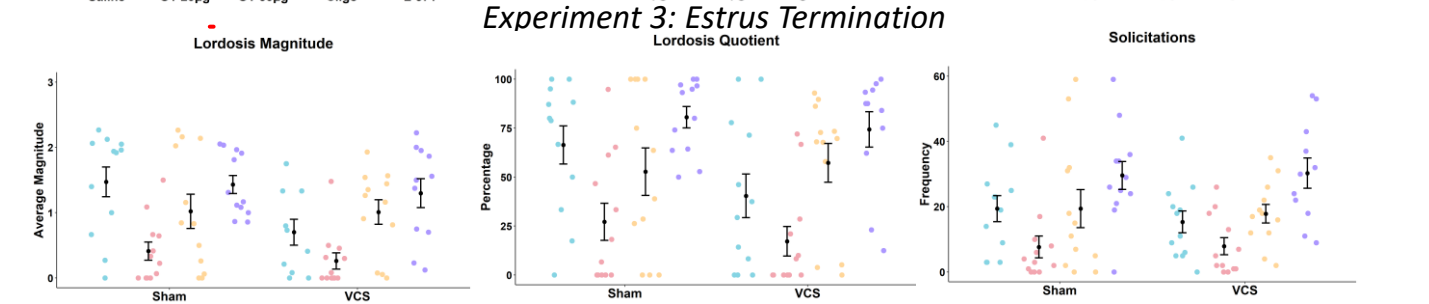
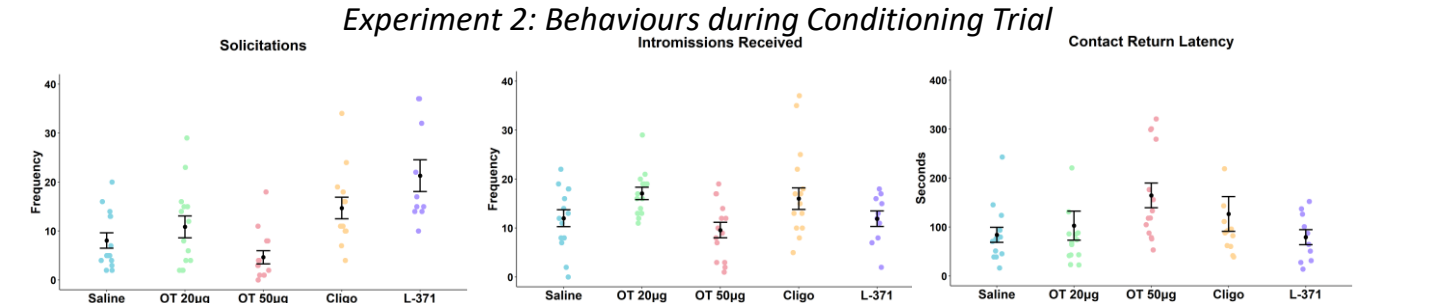
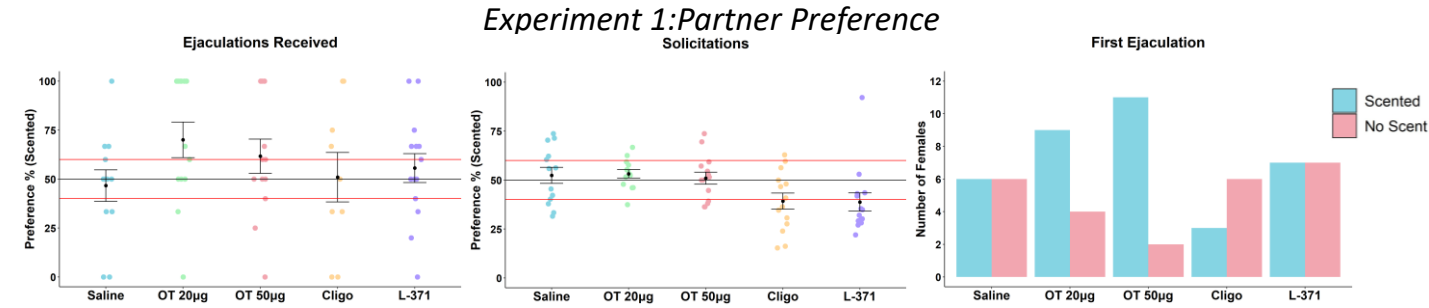
## Take Home Message

- The peripheral actions of oxytocin influence the hedonic value of copulation and its progestational effects.

## Methodology



## Results



● Saline ● Oxytocin ● Cligosiban ● L371255