

UNIVERSITY &GUELPH

capture attention, even after reward is no longer being given¹.

Reward Learning task.



Monetary Rewards Speed Conscious Visual Perception Blaire Dube and Naseem Al-Aidroos Department of Psychology, University of Guelph

Background

Stimulus at Low-Reward Location Appearing First

> -0.15 -0.1 -0.07 -0.04 -0.02 0 0.2 0.4 0.7 0.1 0.15 **Stimulus Onset Asynchrony** *PSS* = -0.014; *p* < 0.05

In order to report simultaneous perception of stimuli at a high and low reward location, the stimulus at the low-reward location must be presented 14ms prior to the stimulus at the high reward location.

Conclusions

Beyond measures of attention, reward also affects measures of perception. Rewarding a spatial location accelerates perception of stimuli appearing in that location, and this effect persists in the absence of actual reward. Rewarded spatial locations yield effects similar to rewarded features.

Anderson, B.A., Laurent, P.A., & Yantis, S. (2011). Value-driven attentional capture. Psychological and Cognitive Sciences, 108, 10367-10371

This work was supported in part by a Natural Science and Engineering Research Council grant to Naseem Al-Aidroos



1	
0.9 -	
0.8 -	
0.7 -	
0.6	
0.5	
0.4 -	
0.3 -	
0.2	
0.1	Stimulus at High-Reward
0	

References

