

A Perceptual Disfluency Effect on False Recognition

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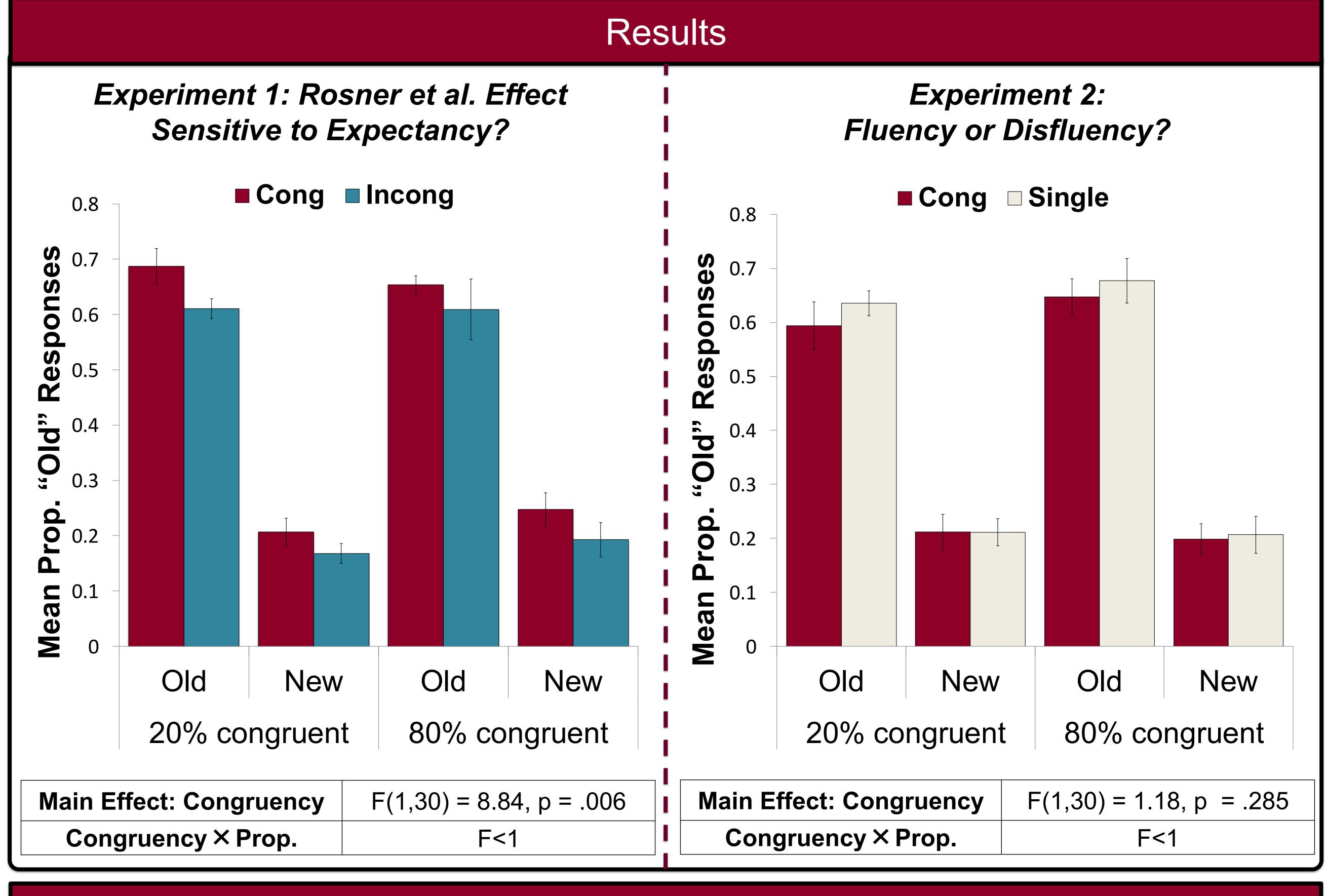
This seems related to the Jacoby-Whitehouse effect (JWE)—false recognition for words repeated sequentially (prime-target) rather than simultaneously at test².

Jacoby and Whitehouse (1989) proposed that processing fluency is often misattributed to memory of prior experience, causing a feeling of familiarity².

Westerman (2008) showed the JWE is sensitive to expectancy effects using a proportion-repeated manipulation³.

Research Questions: Is the false recognition effect found by Rosner et al. replicable; and is it related to the JWE?

Methods Experiment 1 & 2 (N = 32 in each): Read aloud 60 single words Arithmetic Distractor Recognition Test 120 words, 80% congruent Recognition Test 120 words, 20% congruent Experiment 1 Test Items Experiment 2 Test Items CCLLOOUDD VS. BARLIACRKM OLD NEW OLD NEW OLD NEW OLD NEW OLD NEW



Discussion

- Rosner et al. effect is replicable; congruent items appear to be more familiar than incongruent items.
- This effect is insensitive to expectancy, suggesting that it differs from the JWE.
- It seems this effect is not driven by the fluency associated with congruent items; likely driven by disfluency of incongruent items.
- Next Step: To compare incongruent items to single items; honing in on what is driving this effect.

References

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Acknowledgements

I would like to thank Tammy Rosner for her constant patience, support, and commitment to my success. I would also like to thank Dr. Milliken for his guidance and warm motivation. Finally, many thanks to the Multisensory Perception Lab and the Milliken Lab for their continuous support and advice. For correspondence, please contact: sclodnbc@mcmaster.ca.