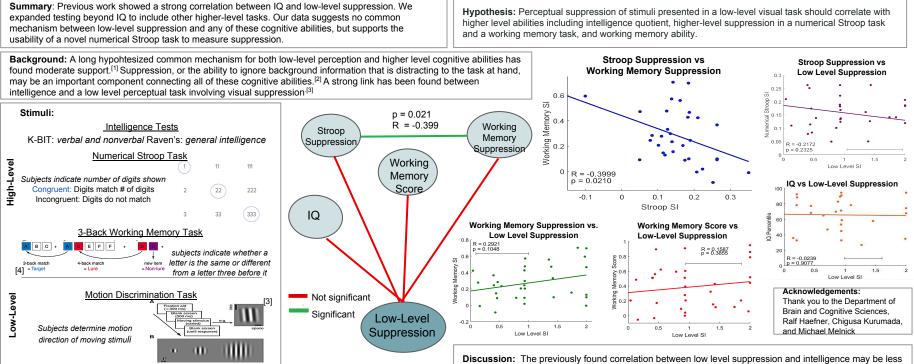


An Investigation of the Link Between Low-Level Suppression and Higher-Level Cognitive Abilities

Toby Kashket*, Shae Rhinehart*, Megan Runkle*, Jill Schwartz*, Woon Ju Park, Duje Tadin University of Rochester





Conclusion: No significant correlations between the participants' low-level suppression and their higher-level cognitive abilities were found. A correlation between the two higher level suppression indices was shown, which is indicative of a possible common mechanism for higher level suppression.

Discussion: The previously found correlation between low level suppression and intelligence may be less robust than previously found. Low level suppression also does not appear to correlate with other higher level suppression abilities or working memory. Alternatively, variability from lack of sleep after practice on the low level may have obscured any existing correlation. A correlation between suppression indices from working memory and numerical Stroop may suggest a common mechanism for higher level suppression.