

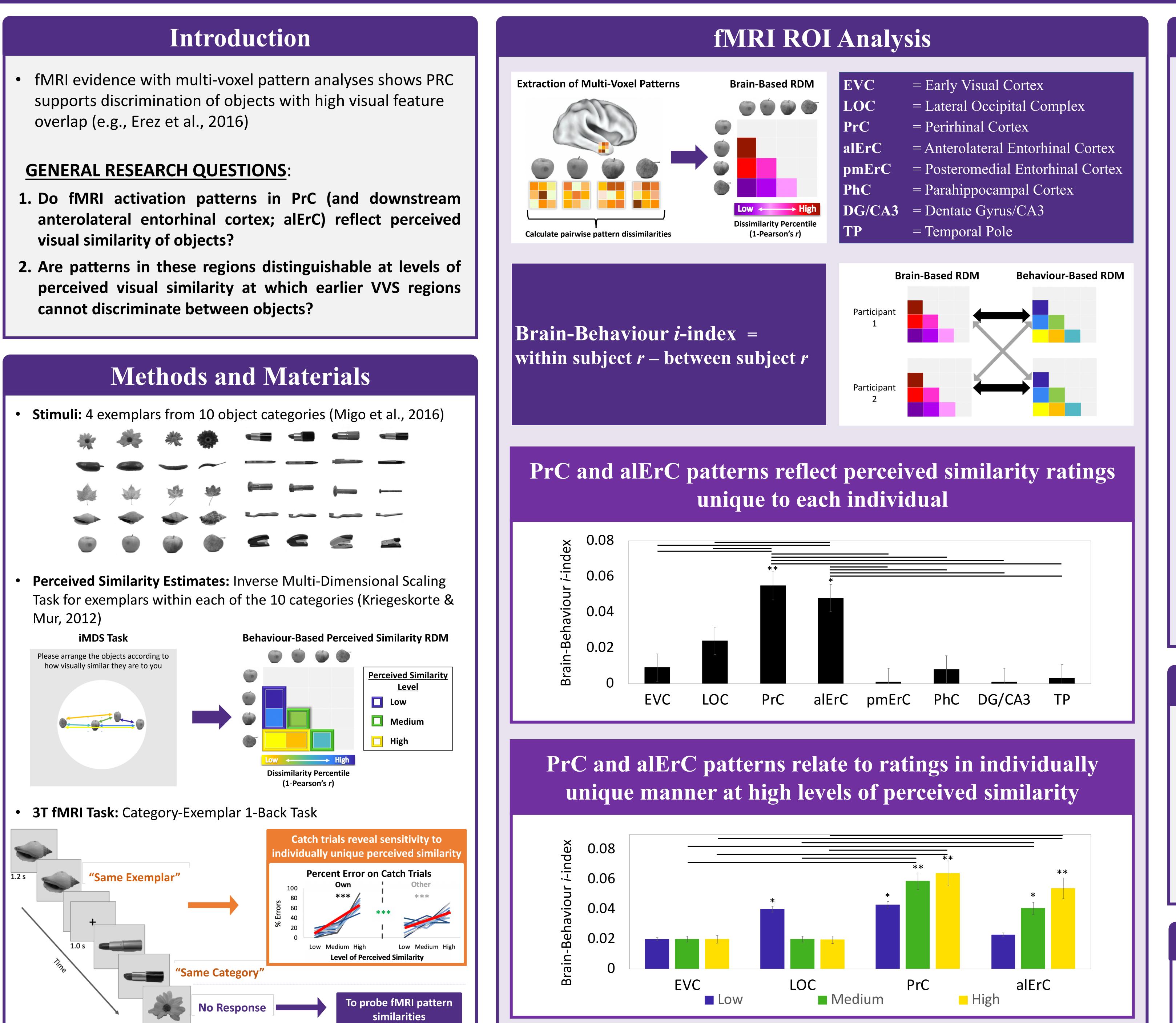




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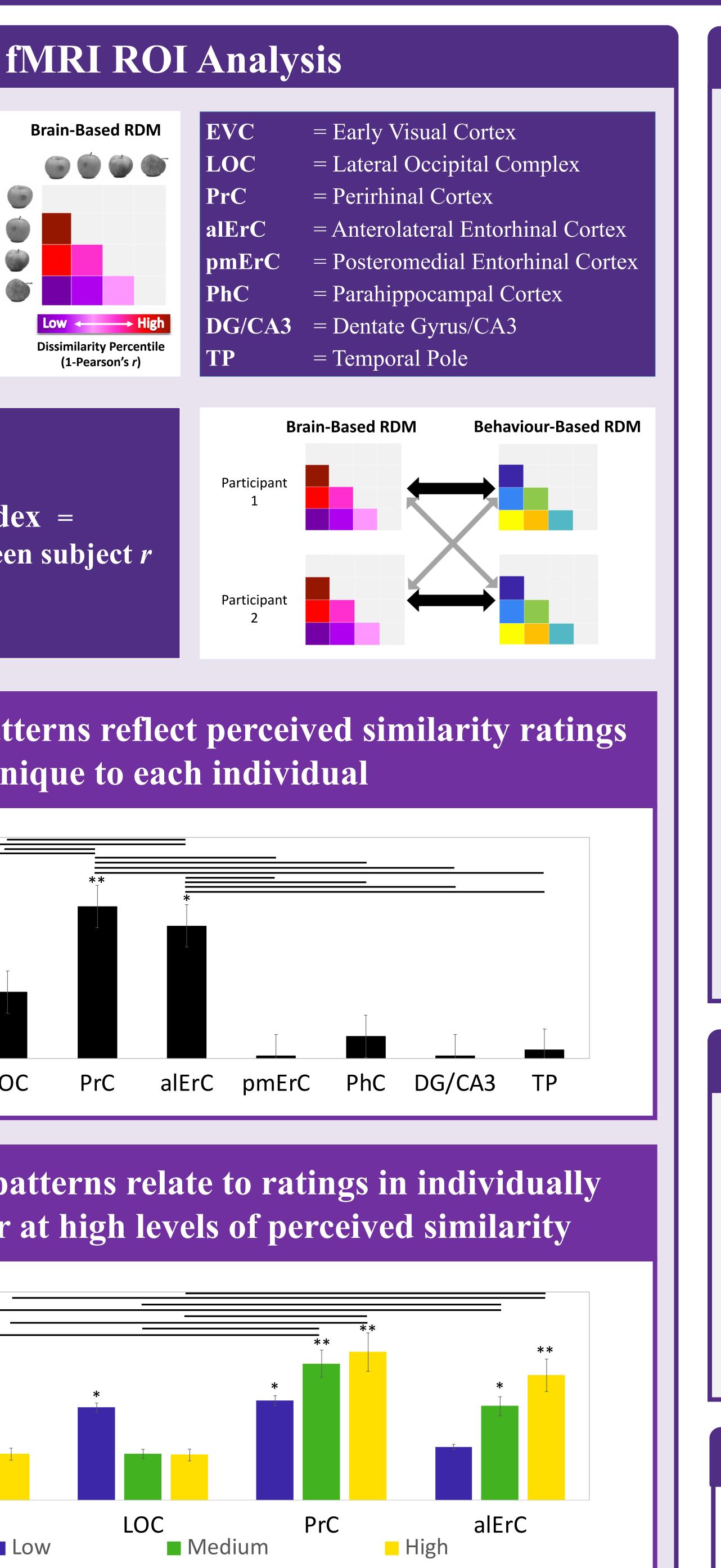
overlap (e.g., Erez et al., 2016)

- visual similarity of objects?
- cannot discriminate between objects?

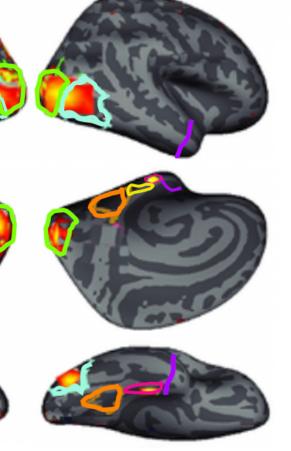


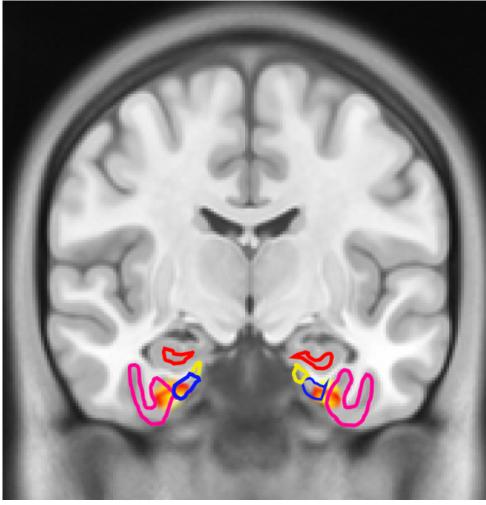
Perirhinal and Anterolateral Entorhinal Cortex Patterns Reflect Subjectively Perceived Visual Similarity of Objects

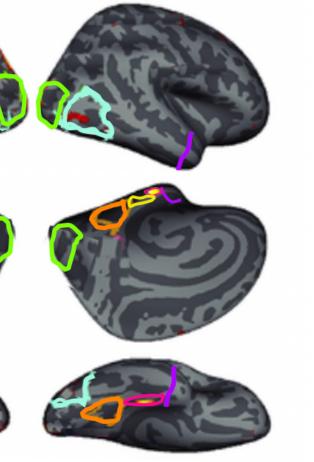
Kayla Ferko^{1*}, Anna Blumenthal², Chris Martin², Daria Proklova¹, Timothy Bussey¹, Lisa Saksida¹, Ali Khan¹, & Stefan Köhler¹ ¹ University of Western Ontario, London, ON, Canada; ² University of Toronto, Toronto, ON, Canada

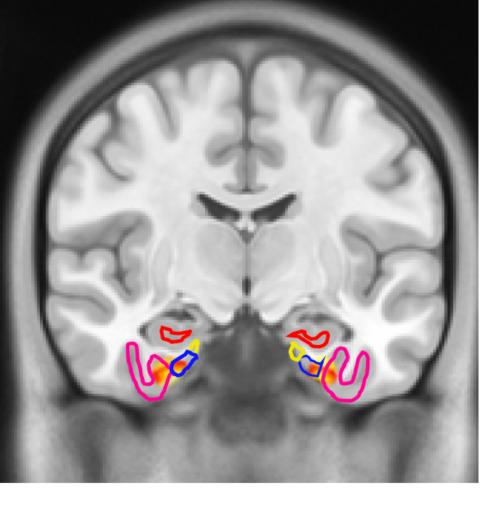


fMRI Searchlight Analysis Patterns in PrC, alErC & early VVS regions reflect entire perceived similarity RDM **Entire Perceived Similarity RDM Only PrC and alErC patterns reflect the** highest perceived similarity RDM **Highest Perceived Similarity RDM Summary and Conclusion** 1. fMRI activation patterns in PrC and alErC (but not pmErC and PhC) reflect perceived visual similarity of objects unique to the individual 2. Patterns in PrC and alErC relate to individually unique ratings at high levels of perceived visual similarity Findings provide support for PrC and alErC as extensions of the VVS for object processing References Erez, J., Cusack, R., Kendall, W., & Barense, M. D. (2015). *Cerebral Cortex, 26*(5), 2271-2282. Kriegeskorte, N., & Mur, M. (2012). Frontiers in psychology, 3, 245.









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