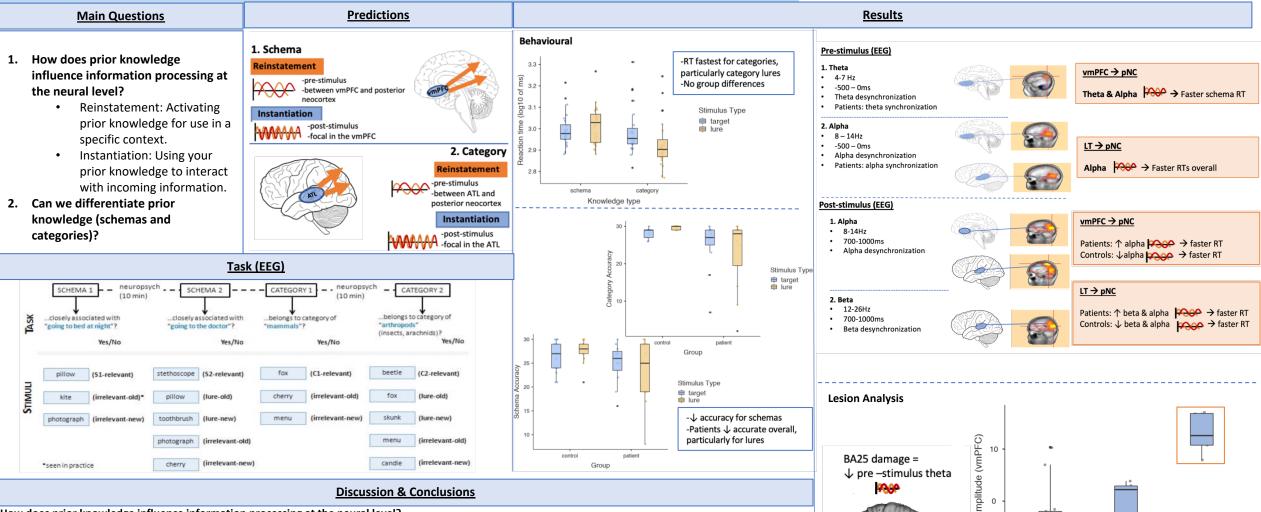
Differential Influence of Ventromedial Prefrontal Cortex Lesions to Schema and Category Knowledge

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How does prior knowledge influence information processing at the neural level?

- Reinstatement: pre-stimulus theta & alpha kee between vmPFC and posterior neocortex (schemas) and LT and posterior neocortex (categories)
- Instantiation: post-stimulus alpha & beta keen vmPFC and posterior neocortex (schemas) and LT and posterior neocortex (categories)
- Patients: faulty reinstatement mechanism \rightarrow affects task performance for both schemas and categories
- Patients compensate: greater post-stimulus alpha & beta desynchronization
- BA 25 lesions \rightarrow impaired schema-related preparatory activity

Can we differentiate prior knowledge (schemas and categories)?

- Schemas & categories: underlying systems overlap
- Kinds of prior knowledge influence each other

References

- Ghosh, V.E. et al. (2014), .J. Neurosci
 - Gilboa, A. and Moscovitch, M. (2017), Cortex
 - Hebscher, M., & Gilboa, A. (2016), Neuropsychologia
- **Ouestions**?

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amplitude theta -10 BA 25 control patient Group

