

# **Characterizing External and Internal Attention:** Functional Connectivity Reveals Multiple Interacting Processing Streams

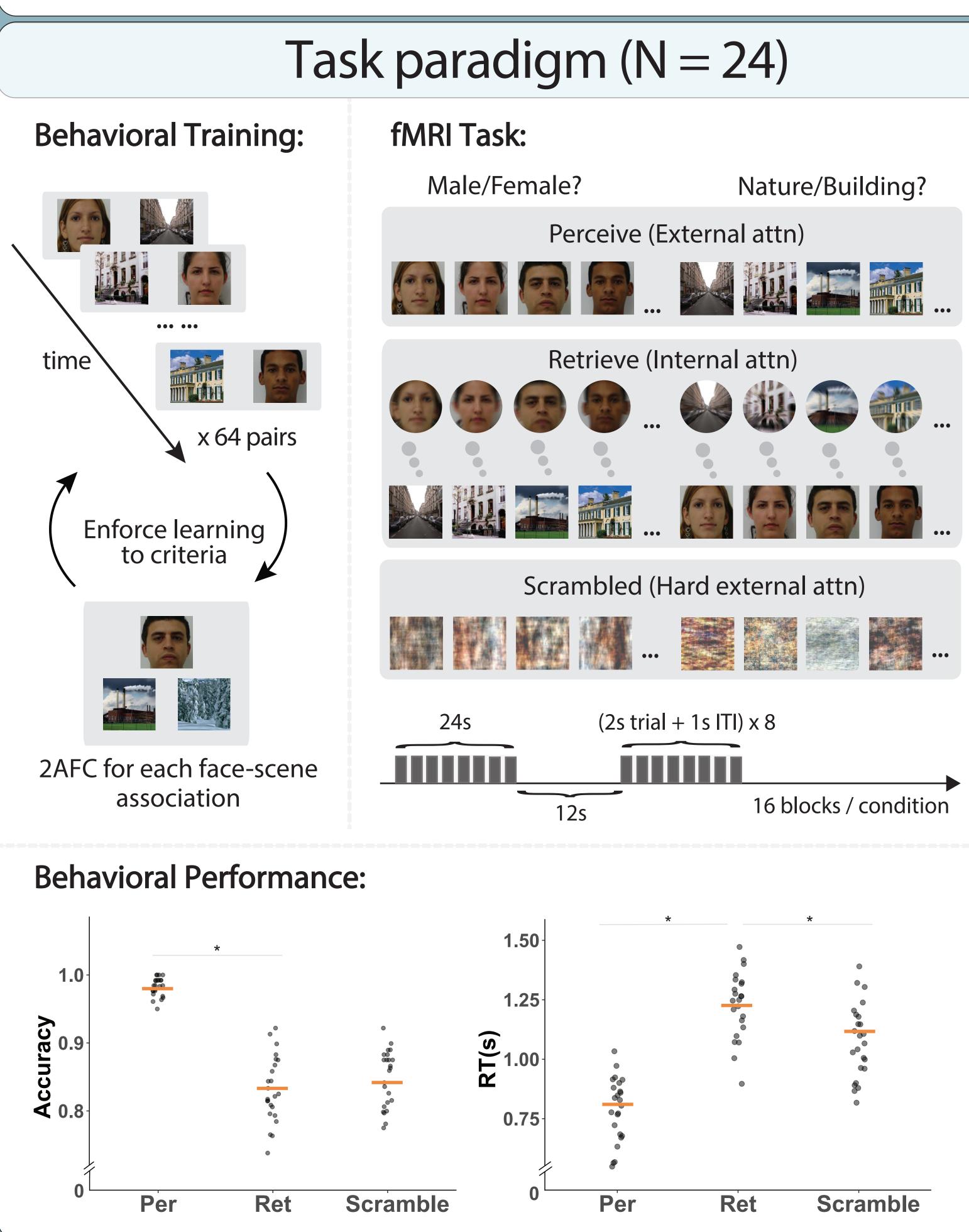
## Introduction

• Attention can be organized based on the source of the information being attended to<sup>1</sup>:

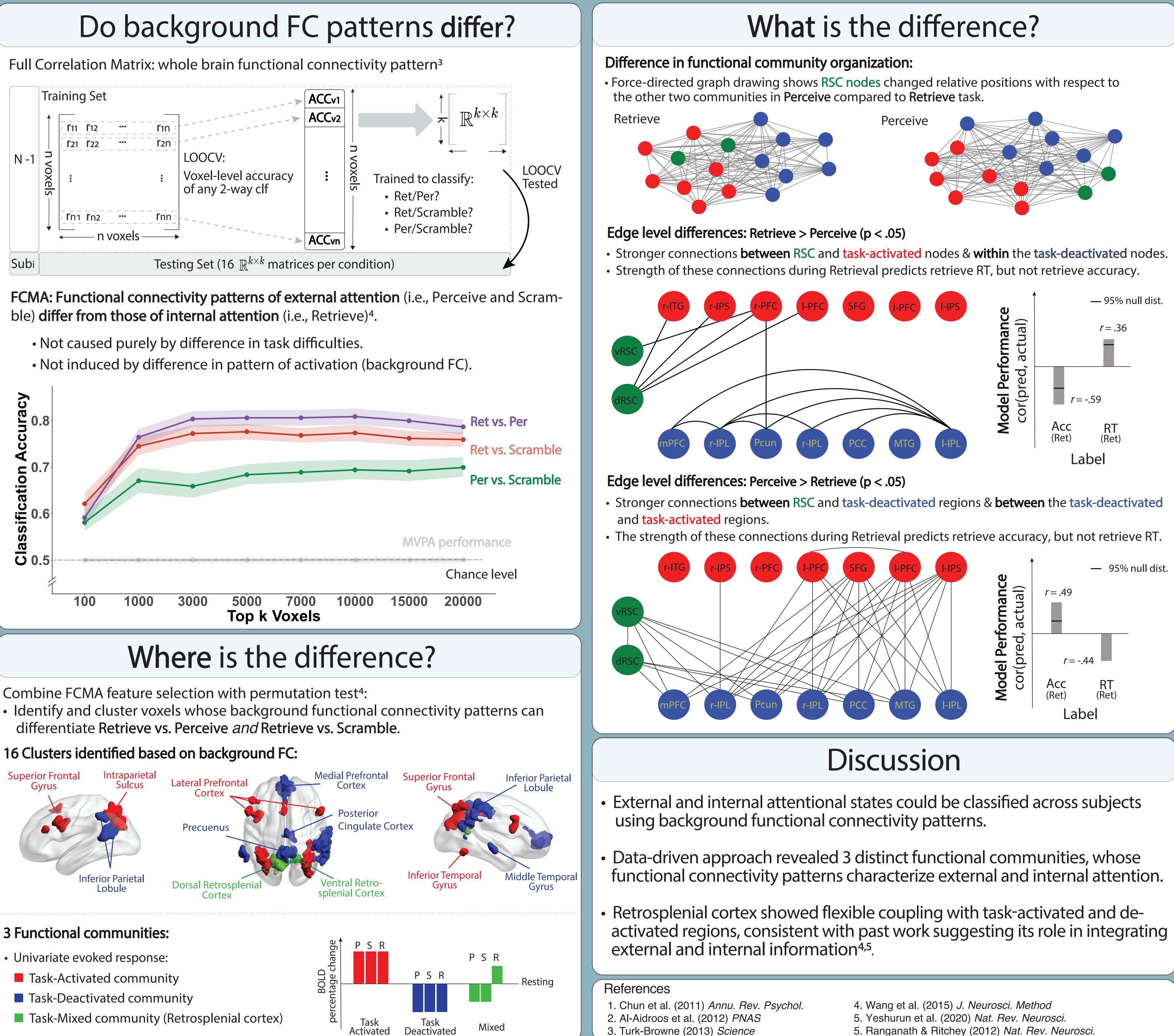
- External Attention: Selection of perceptual features available in the environment (e.g., during perceptual judgments).

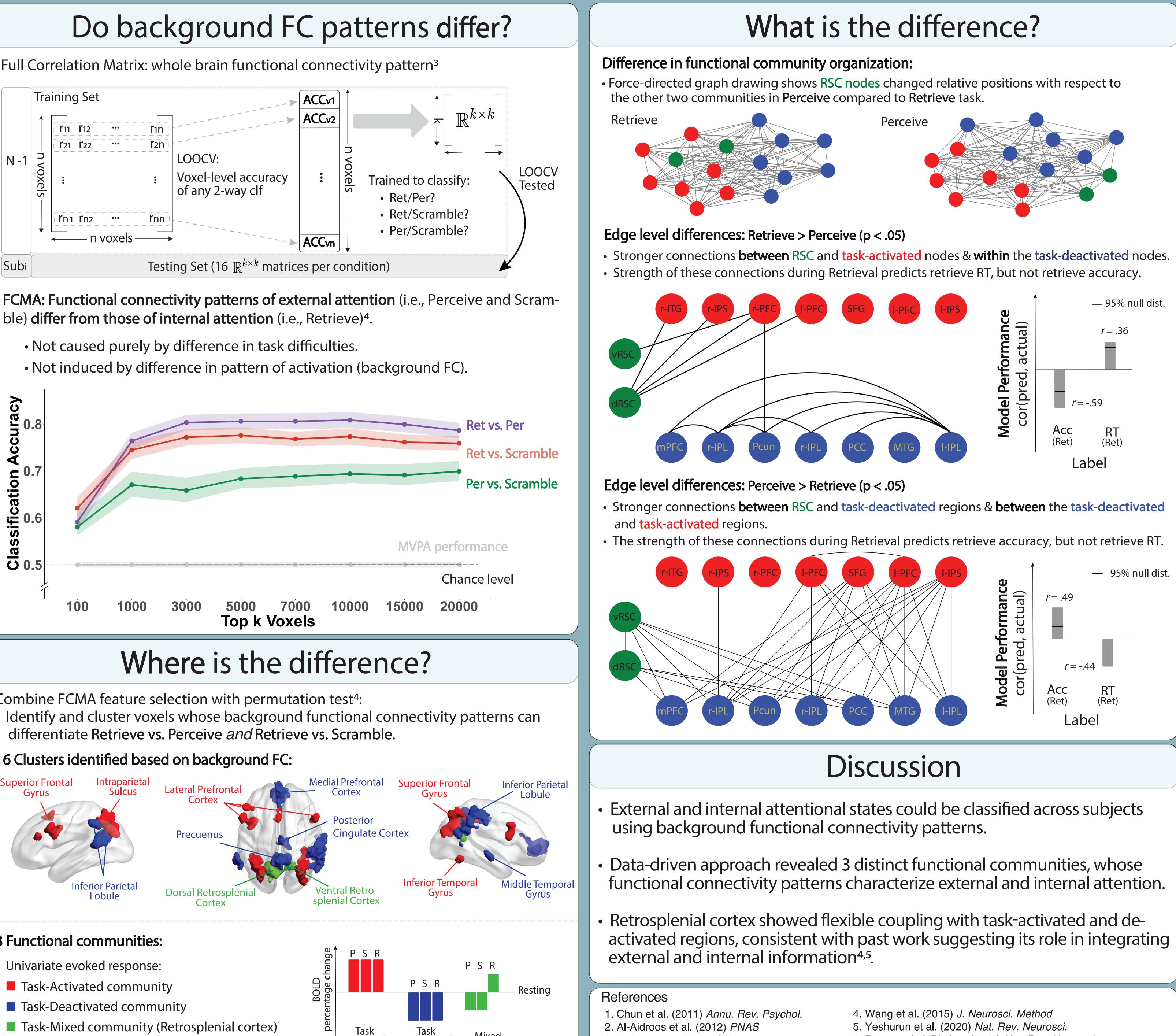
– Internal Attention: Selection of self-generated features available from internal representations (e.g., during episodic remembering).

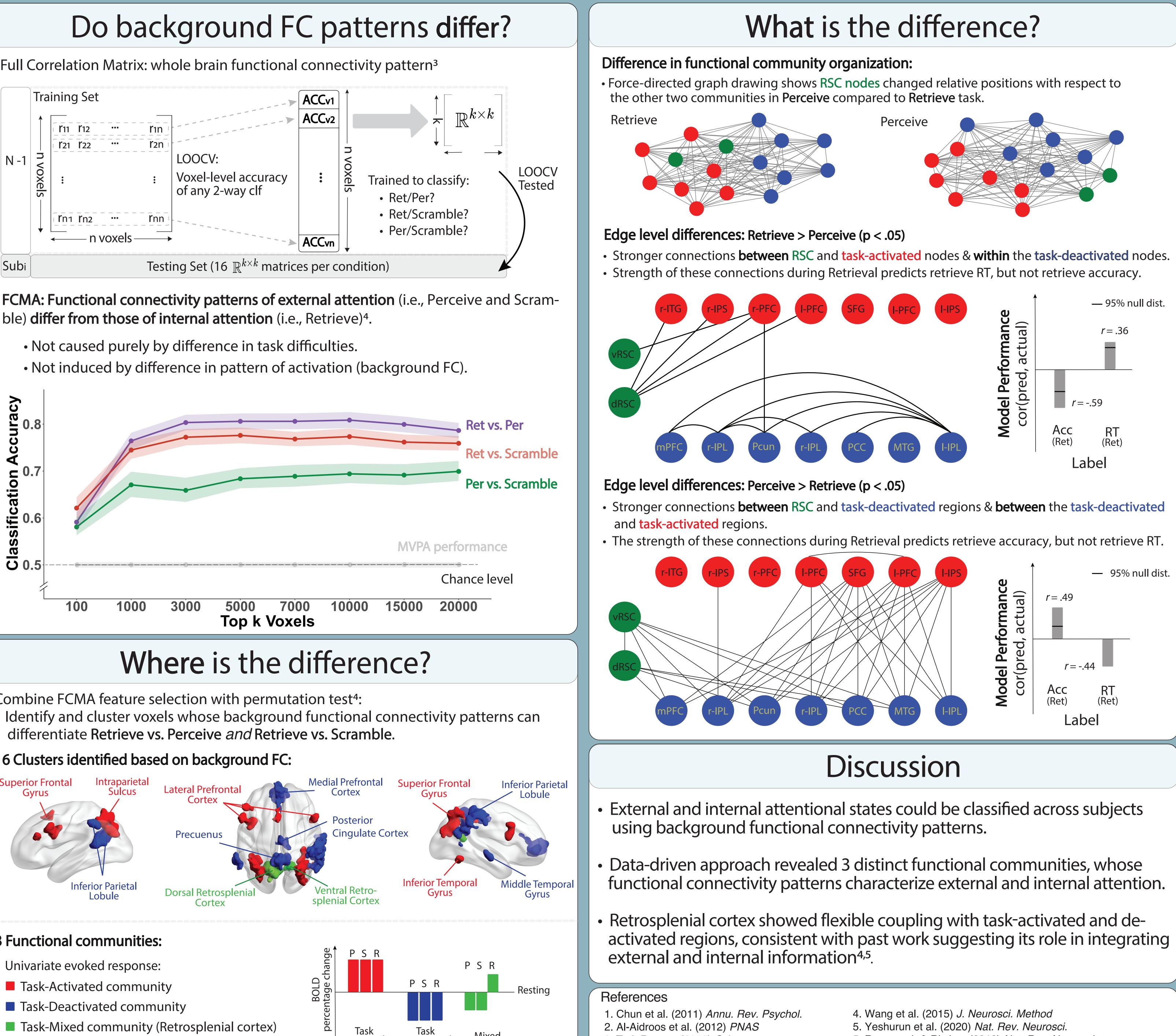
- Background functional connectivity (FC) captures neural dynamics of selective attention between different types of perceptual features<sup>2</sup>.
- How do neural dynamics of attention differ between external and internal attentional states?



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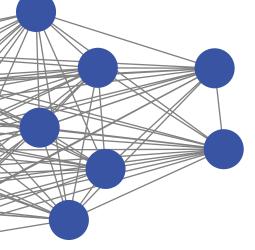


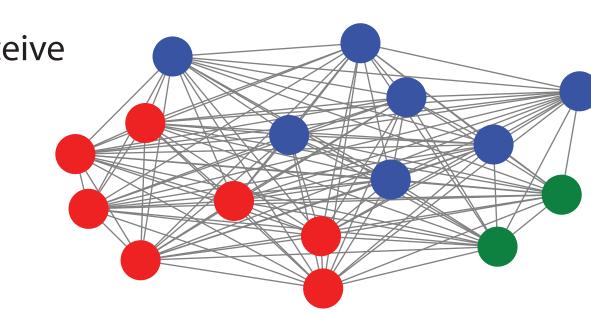


### **3 Functional communities:**

Y. Peeta Li<sup>1</sup>, Yida Wang<sup>2</sup>, Nicholas B. Turk-Browne<sup>3</sup>, J. Benjamin Hutchinson<sup>1</sup>







5. Ranganath & Ritchey (2012) Nat. Rev. Neurosci.