A. Tasks

Experiment 1a and 1b

Northern Hemisphere (Left) Southern Hemisphere (Right)

Response = Left or Right
(Categories North or South)

Next trial until response…

Experiment 2

How similar or different are these two images?

Very Different   Very Similar
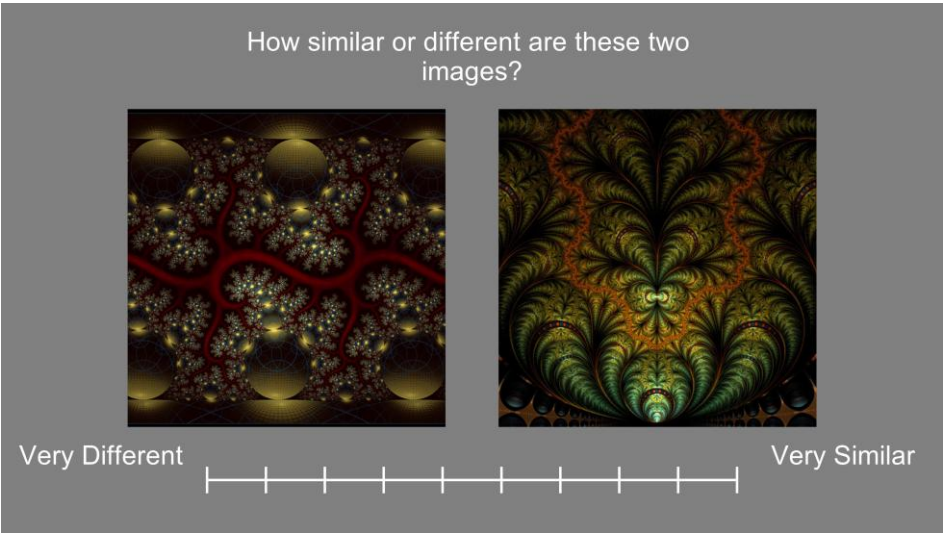
Response = Different/Similar Slider

Next trial until response….

B. Network Architecture

Output: $S\leftarrow$ $\rightarrow N$

μ: Mackintosh-like

Hidden: MM_1 MM_2 MM_3 MM_4

ρ Pearce-Hall-like

Input: A B C D E F G H

Legend:

A, … H = Input cues

MM_i = Multi-modal unit ith

= Full connectivity

= neurocomputational unit

= connection