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Systems Neuroscience CISC 3250

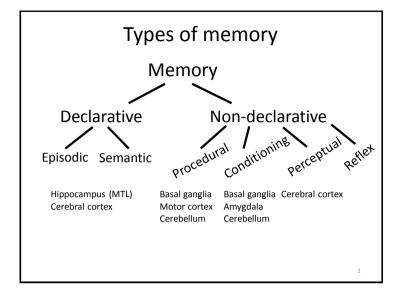
Memory

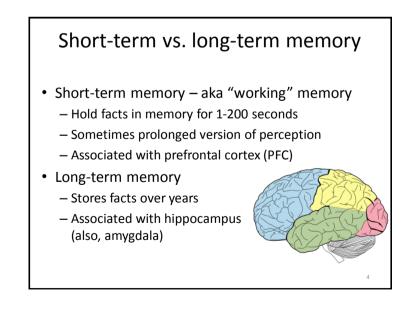
Professor Daniel Leeds dleeds@fordham.edu JMH 332

Declarative vs. non-declarative memory

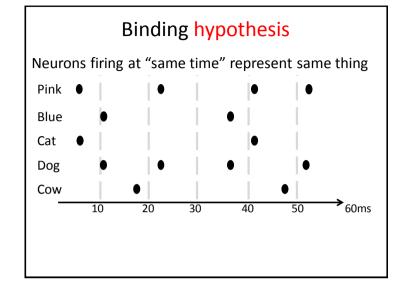
- Declarative
 - "Winter break ended on January 15"
 - "Apples are edible, chairs are not edible"
- Non-declarative
 - Throwing a baseball
 - Pattern completion (seeing the dog behind the fence)

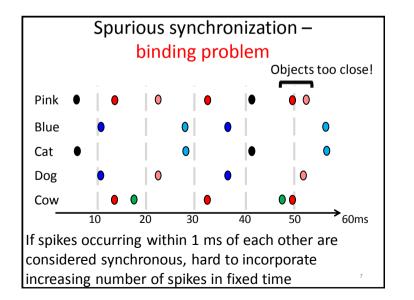


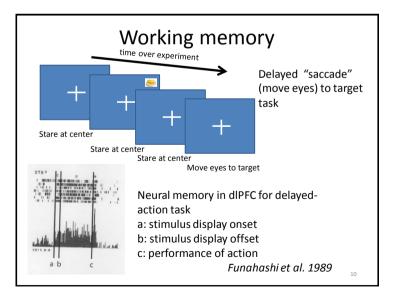


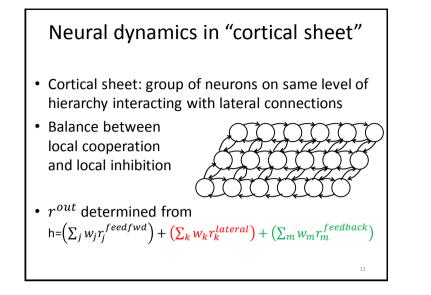


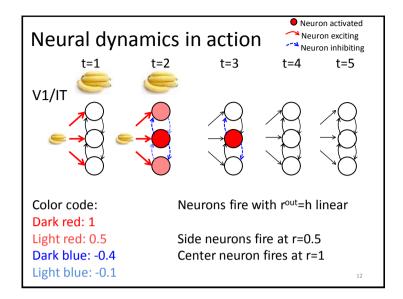


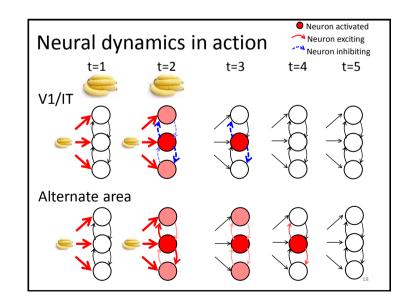


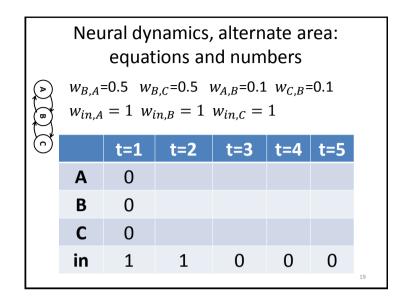












Neural system dynamics

• In an interconnected cortical sheet, neural activity can continue after feedforward input is gone

