A Rodent Model of Medial Temporal Lobe-Dependent Discrimination Deficits in the Elderly

9th Annual McKnight Inter-Institutional Meeting
Tucson, Arizona
April 29, 2016

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Object Discrimination Deficits in Old Animals

Easy – low overlap

Difficult – high overlap
Object Discrimination Deficits in Old Animals
Object Discrimination Deficits in Old Animals

Interaction effect, p < 0.01

Turner, Johnson et al., FUN abstract, 2015
Posters on Capital Hill 2016
Object Discrimination Deficits in Old Humans
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Object Discrimination Deficits in Old Humans
Object Discrimination Deficits in Old Animals

Test Sets
- 0% overlap
- 89% overlap
- 92% overlap
- 95% overlap
- Identical control

Training Set

%Correct

Overlap

0% 89% 92% 95% Identical

Young
Aged
Object Discrimination Deficits in Old Animals

Training Set

Test Sets

0% overlap

89% overlap

92% overlap

95% overlap

Identical control

%Correct vs. Overlap

- Young
- Aged
- Young-HPC

% Correct decreases with increasing overlap.
**Acknowledgements**

*Sarah Johnson (Postdoc)*  
*Sean Turner (University Scholar Awardee)*  
Abbi R. Hernandez (Graduate Student)  
Nicholas Topper (Research Specialist)  
Jack-Morgan Mizell (Technician)  
Leslie Gaynor (Graduate Student in Bauer Lab)  
Lindsay Santacrocce (Undergraduate student)

**Collaborators:** Jennifer Bizon,  
Andrew Maurer, Brandi Ormerod, Barry Setlow,  
Russell Bauer and Marcelo Febo

**Funding Institutions**  
The McKnight Brain Research Foundation  
UF 2014 Research Opportunity Seed Fund  
Pepper OAIC Pilot/Scholar Award (P30 AG028740)  
Institute on Aging, Cognitive Aging and Memory  
NIH/NIA R01 AG049722, R03 AG049411  
UF ADRC AG047266