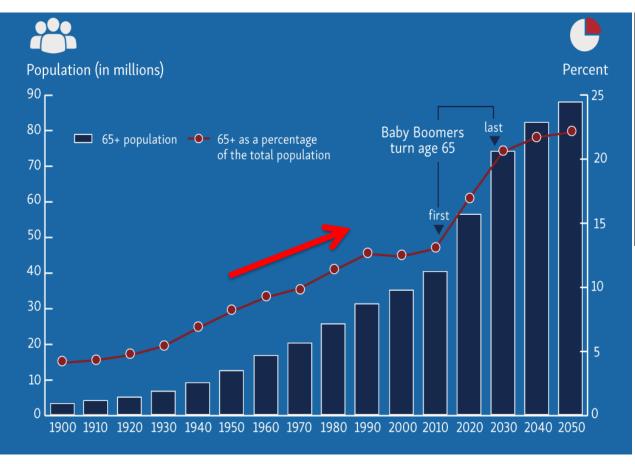
Performance on a visuo-spatial working memory task in adolescent and aged rhesus macaques

Monica N. Munoz
Buffalo Lab, Univ. of Washington
WaNPRC
Seattle, WA, USA



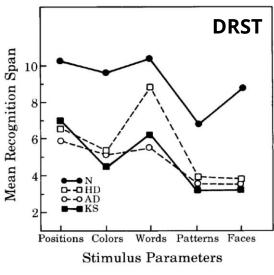


The United States has been aging steadily over the past century.



Normal Mild cognitive impairment Alzheimer's disease

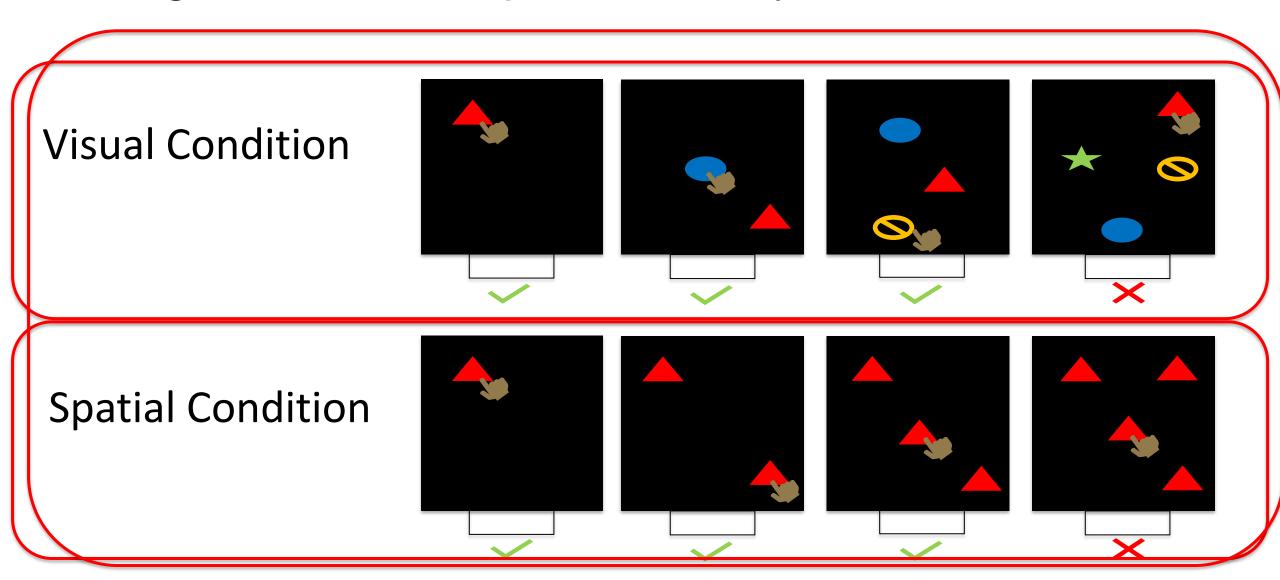
Source: NeurologyAdvisor.com



Marylin, A.S. (1996)



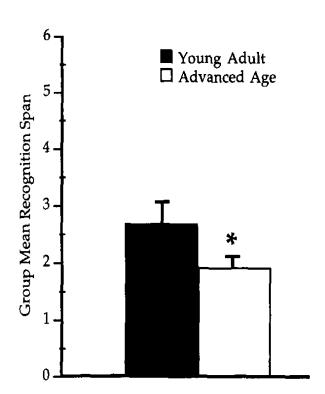
The Delayed Recognition Span Task (**DRST**) enables investigation of visuo-spatial memory demands



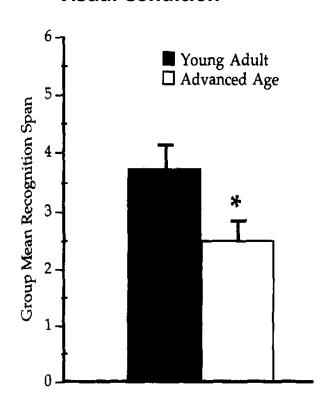
Aged macaques are impaired on visual and spatial conditions of DRST relative to younger macaques



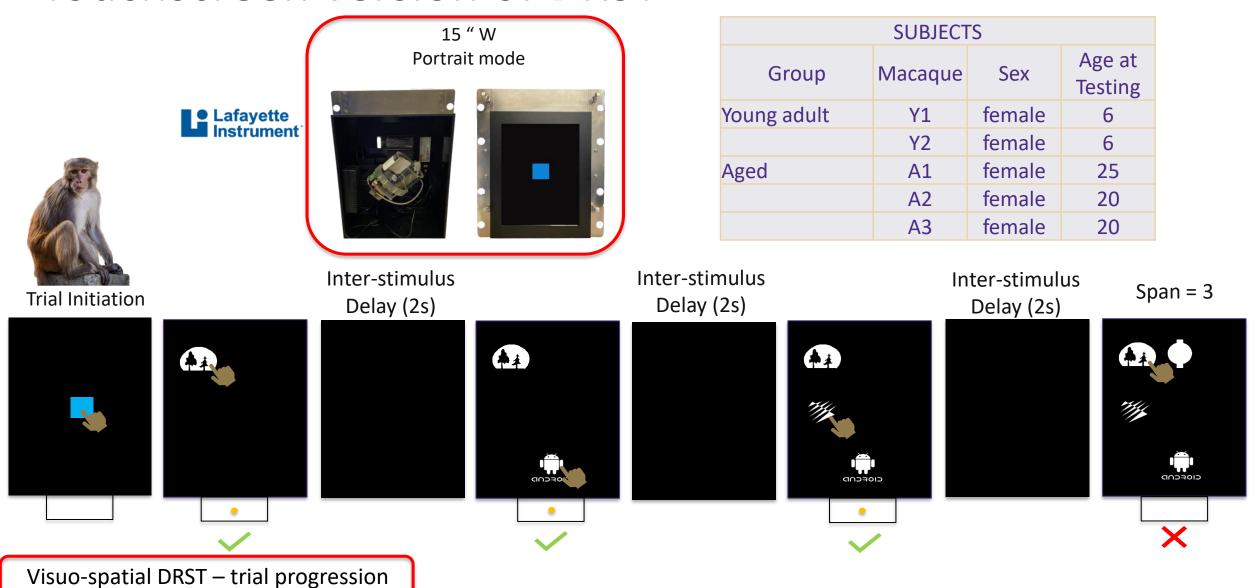




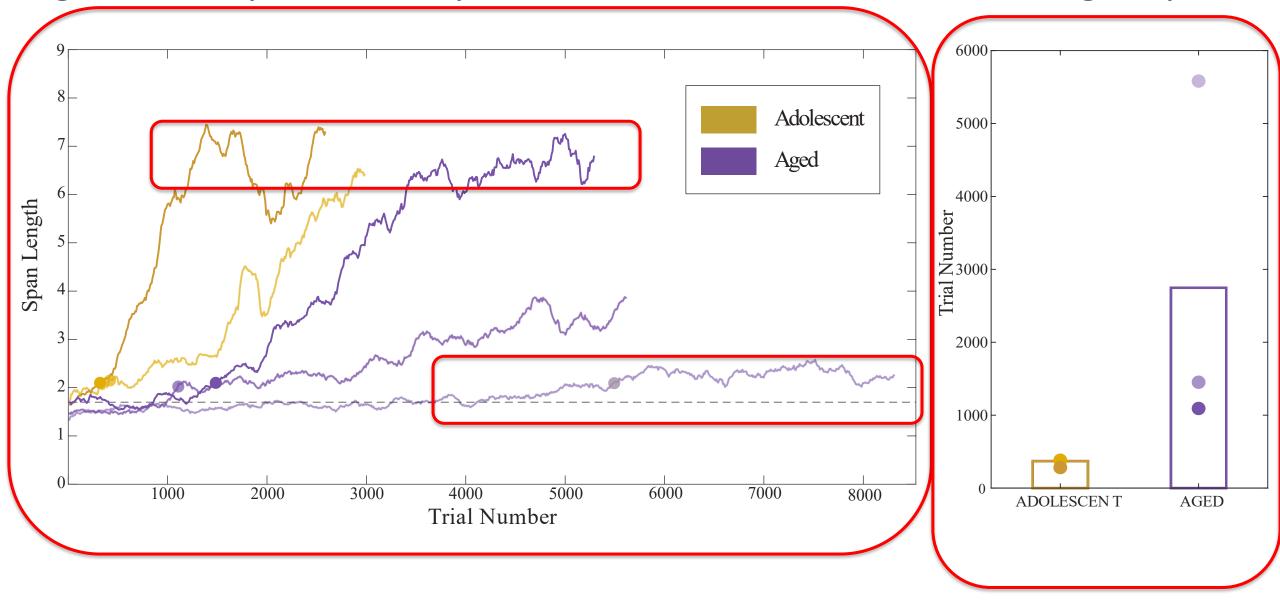
Visual Condition



Touchscreen version of DRST

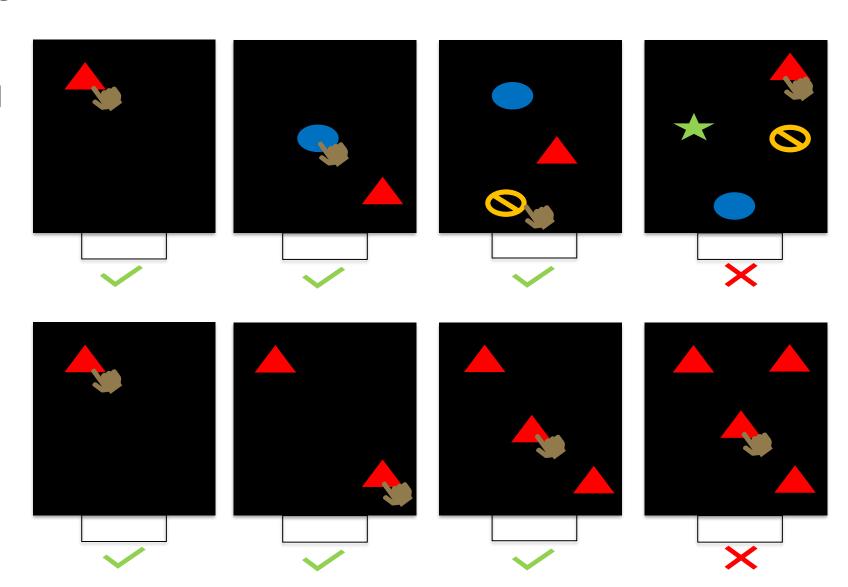


Aged macaques are impaired relative to the adolescent group



Future directions

- Introduce longer intertrial delays (6s,10s,14s,etc)
- Spatial vs Visual DRST
- Electrophysiology
- Platform for testing novel therapeutics and compounds impacting cognition



BUFFALO LAB







/in/mmunoz94/



@MonicaNathalyM1



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Megan Jutras Aa Lab Manager Phi

Aaron GarciaPhD Candidate

Monica N. Munoz Research Technician

NIA





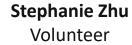




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NIH-P51 Primate Research Center Grant to WaNPRC

lan O'Leary
Research Technician





AHA-Allen Initiative in Brain Health and Cognitive Impairment Grant

