

Who we are



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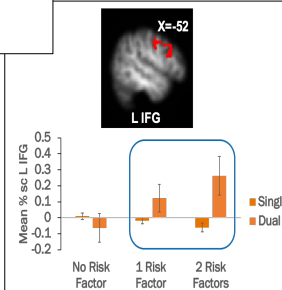
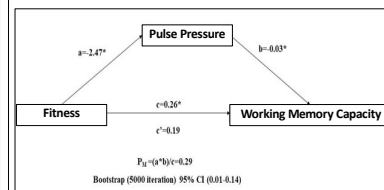
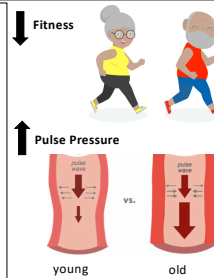
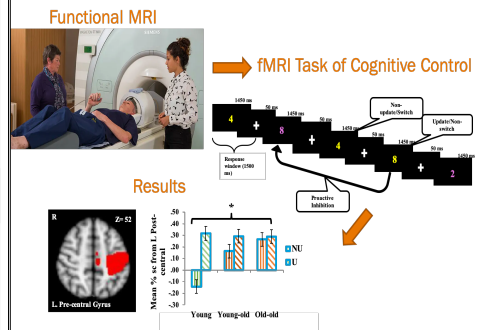
Collaborators

- Dr. Julia L. Evans, Callier Center, UT Dallas
- Dr. John Hart, Callier Center, UT Dallas
- Dr. Daniel Krawczyk, CBH, UT Dallas
- Dr. Shuo Qin, National University of Singapore
- Dr. Denise C. Park, CVL, UT Dallas
- Dr. Paul Fishwick, ATECH, UT Dallas
- Dr. Hyunkyoo Lee, Posit Science Corp.
- Dr. Michelle Voss, University of Iowa

Primary Research Questions

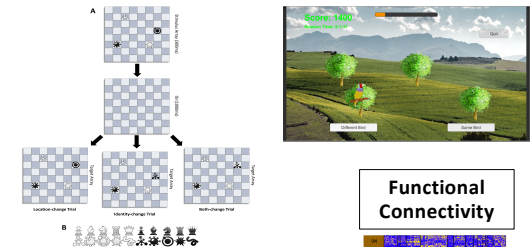
1. What brain networks and regions support different types of cognitive control (such as, working memory, task-switching, focusing attention)?
2. How is cognitive control and related brain networks and regions affected by **aging**, **cardiovascular health**, **Developmental Language Disorder (DLD)**, and **expertise**?
3. Do these brain networks and regions adapt with **cognitive training** (such as, tablet/computer games)?

Recent Findings: Aging and Cardiovascular Risks

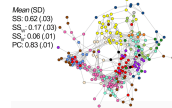
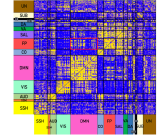


Research Tools and Techniques

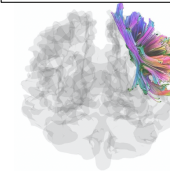
Lab-developed computer tasks and games



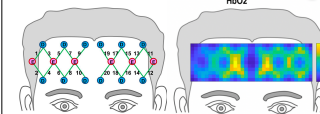
Functional Connectivity



White Matter Integrity



fNIRS



HD tDCS



Current and Recent Funding

- National Institute on Aging
- AWARE
- Posit Science Corporation
- Friends of BrainHealth
- UT Dallas



Paulina Skolasinska of LiNC lab
2021 Visionary Scientist Award from
Friends of BrainHealth