

Genomic Translation Across Species Core (GTASC)

Co-Leaders

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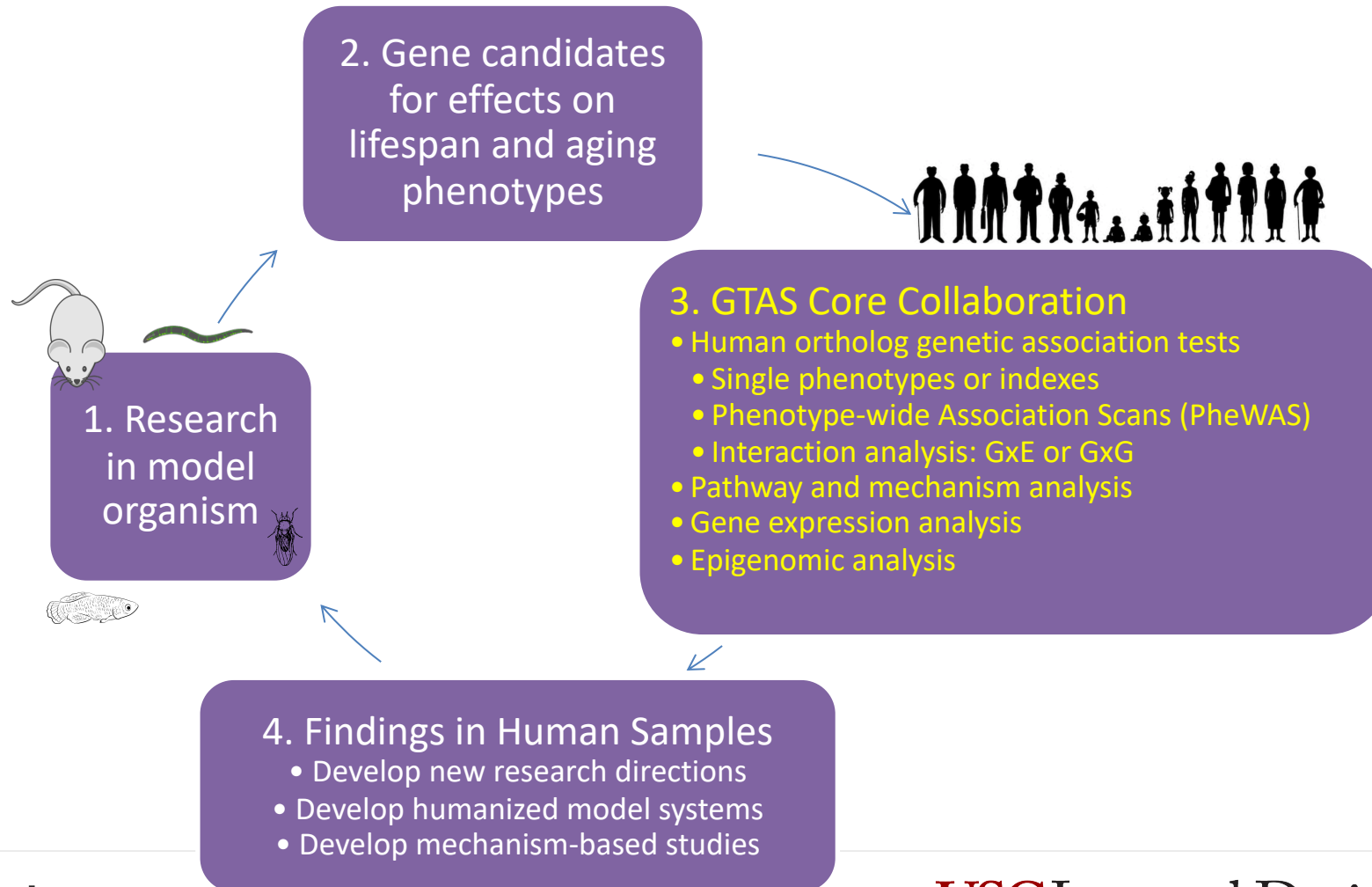


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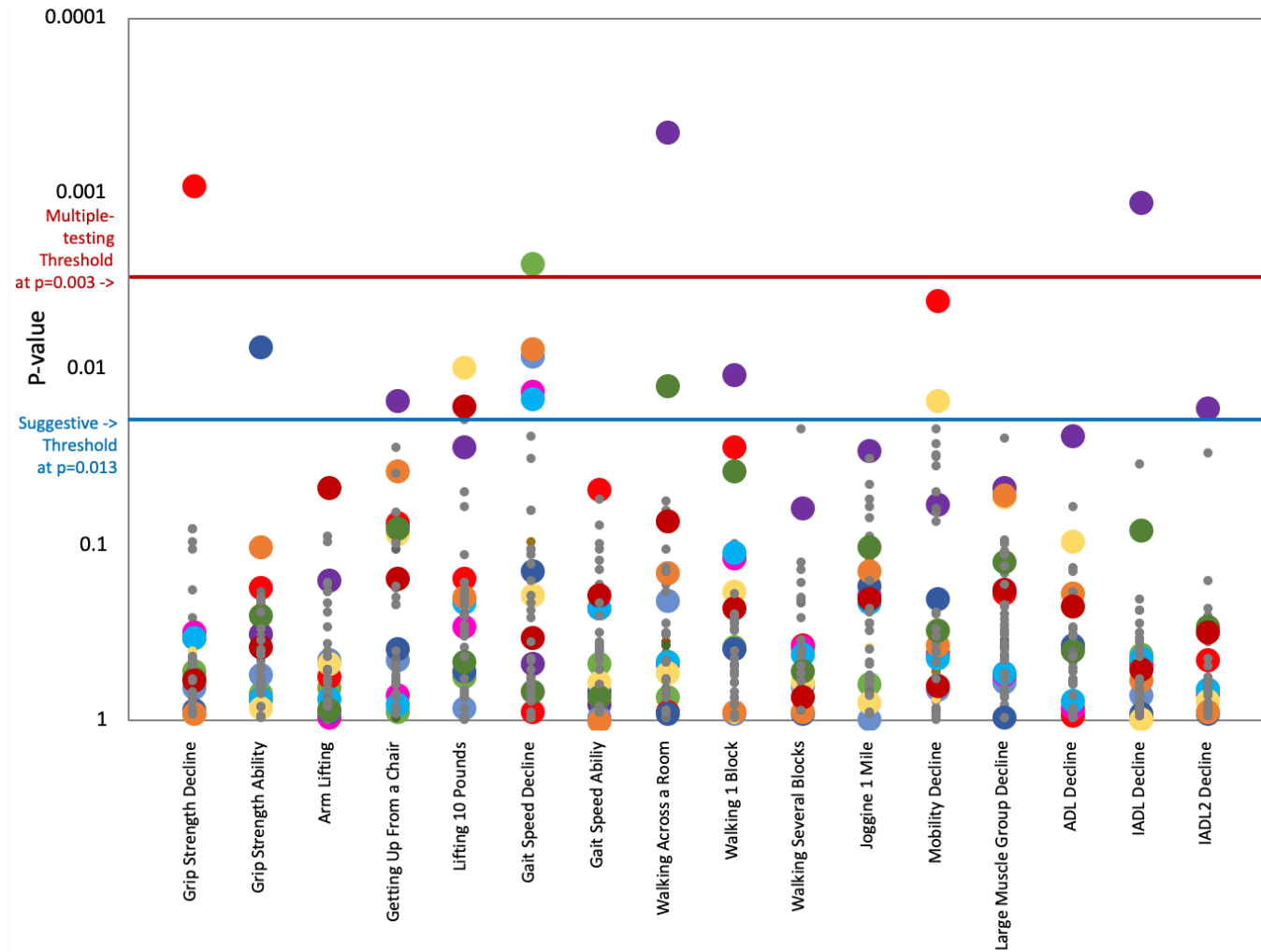
GTASC goal is to advance translational research through collaboration in the cycle of research



Collaborate with the GTAS Core to inform experimental designs

- Conduct **hypothesis-driven interrogation** in large-scale longitudinal human datasets (up to 25 years of follow-up) invoking several data components:
 - Blood-based markers, inflammaging & immune indicators
 - Genomics and transcriptomics
 - DNA methylation
 - Telomeres (DNA deterioration)
 - Flow cytometry
 - Physical status and muscle functioning
 - Disease conditions & metabolic indicators
 - Cognitive & behavioral phenotypes
 - Mortality/longevity
- Conduct pathway analysis to inform networks with these components

Example of validation: GeneWAS muscle functioning



Core Pilots and Vouchers

Apply through the website

<https://uscbucknsc.org>

Contact Core Leaders with Questions

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