

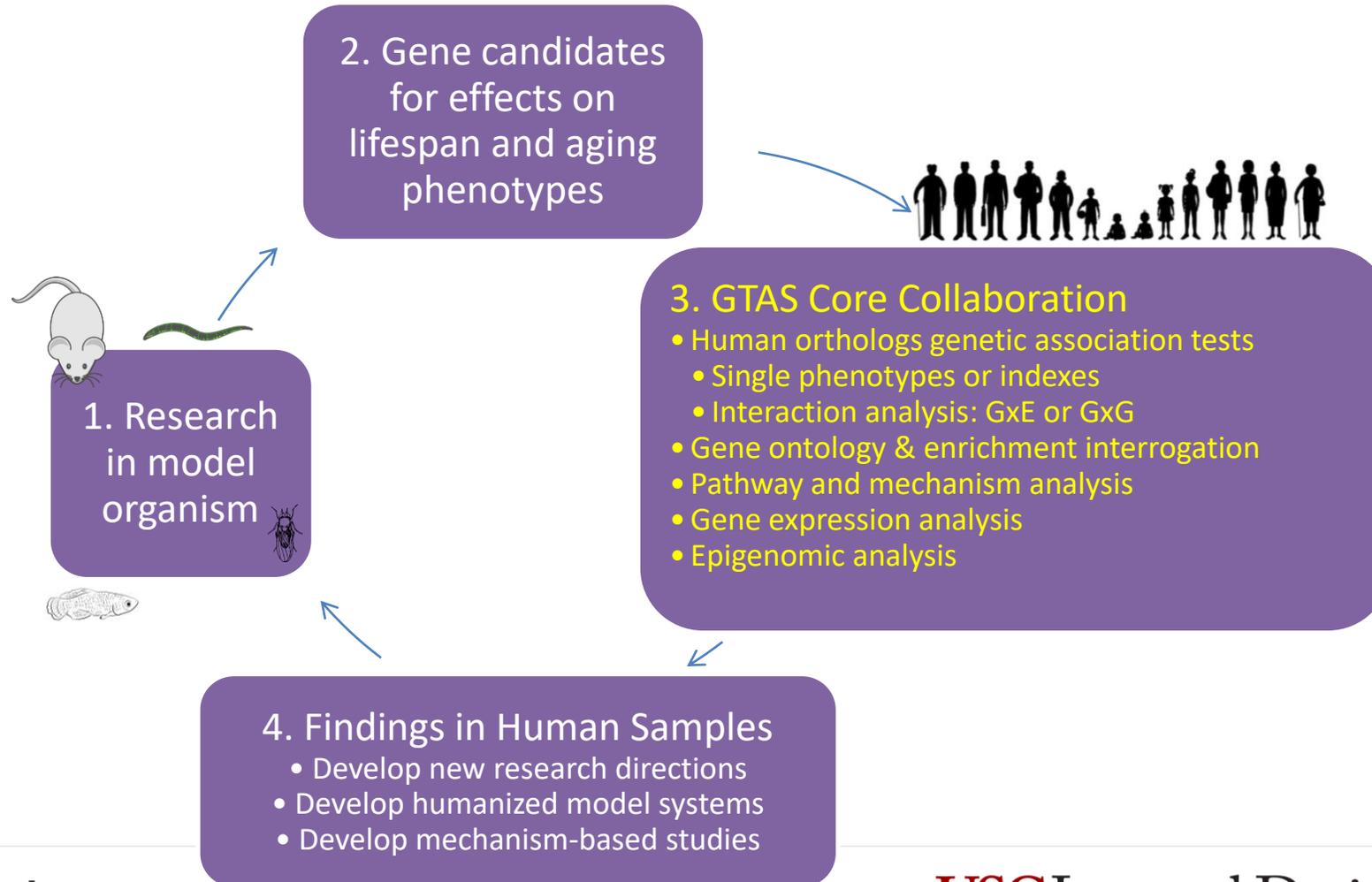
# Genomic Translation Across Species Core (GTASC)

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*Co-Leaders*

*Eileen Crimmins & Em Arpawong*

# 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

# Core Pilots and Vouchers

**Apply through the website**

<https://uscbucknsc.org>

**Contact Core Leaders with Questions**

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