DIETARY INTAKE OF ADVANCED GLYCATION END-PRODUCTS AND RISK OF CANCER

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From: Advanced Glycation End-Products: A Biological Consequence of Lifestyle Contributing to Cancer Disparity

Dietary Advanced Glycation End-products (AGE) and Risk of Breast Cancer in the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO)
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**R01 AIMS**

- **Specific Aim 1.** Determine if increased AGE bioavailability promotes early tumor progression via ancestry specific changes in RAGE regulation.

- **Specific Aim 2.** Determine the impact of increased AGE bioavailability on ancestry specific matrix deposition.

- **Specific Aim 3:** Confirm that dietary-AGE consumption increases risk of aggressive prostate cancer in Black men:

  - Examine association between dietary intake of AGES and aggressive prostate cancer in the North Carolina-Louisiana Prostate Cancer Project (PCaP).
  
  - Examine associations between serum concentrations of AGEs and dietary AGE intake and aggressive prostate cancer in PCaP.
  
  - Examine association between dietary intake of AGEs and risk of prostate cancer in the PLCO.
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