Opportunity Summary:
Cancer Grand Challenges is a global funding platform founded in 2020 by the two largest funders of cancer research in the world: Cancer Research UK (CRUK) and the National Cancer Institute (NCI) in the US.

The year’s program seeks to support global teams of multidisciplinary researchers to come together and think differently to solve some of the biggest challenges in cancer research in the following key areas:

- **Cachexia**: understand and reverse cachexia and declining performance status in cancer patients
- **Dormancy**: identify and target dormant cancer cells
- **E-cigarettes**: determine the potential benefits and risks of e-cigarette use
- **Extrachromosomal DNA**: understand the biology of ecDNA generation and action, and develop approaches to target these mechanisms in cancer
- **Inflammation**: determine how inflammation causes cancer
- **Macromolecules**: systemically deliver macromolecules to intracellular targets for therapeutic benefit in cancer
- **Normal Phenotypes**: understand how cells and tissue maintain ‘normal’ phenotypes while harboring oncogenic mutations and they transition to become a tumor
- **Senescence**: understand and exploit senescence to improve cancer treatment
- **Solid Tumors in Children**: develop novel therapies to target unique features in solid tumors in children.

A webinar hosted by CRUK and NCI staff about this program will be posted on the Grand Challenges website soon.

Eligibility & Requirements:
- Teams must be multidisciplinary, international (no more than 70% of the activity/funding can be based in a single country), and incorporate training for future leaders in cancer research.
- The size of each group is variable, but must include a coordinating PI and comprise ideally between 5-13 co-investigators.

Optional Internal Support & Feedback Process:
An interdisciplinary committee of faculty will review optional internal expressions of interest (EOI) and select the top 3-4 to receive tailored institutional support (science writing, graphic design assistance, etc.). All submitted EOIs will be provided with comments from the committee, and will be free to apply to this Grand Challenges regardless of whether they are selected for further assistance.

If you wish to be considered for additional support, or received feedback on your project idea, please send a short EOI comprised of the following via JHU InfoReady (https://jhu.infoready4.com/#/competitionDetail/1833050) no later than February 9, 2021:

- Brief description of your team
- Description of your proposed research (500 words) and rationale for team composition (250 words)

Questions? Comments? Email the Office of Foundation Relations at FoundationRelations@jhu.edu.