Section: Contact Information

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Section: Project Requirements and Description

Group: Requirements to submit AOI

A comprehensive review of previously published data has been completed. : **Yes**
The specific aims are clear and focused. : **Yes**
The investigator has appropriate experience and expertise to develop the concept proposal; if not, has identified a mentor or senior co-investigator. : **Yes**
The investigator agrees to develop an initial draft of the concept proposal within 6 weeks of approval of the AOI and to finalize the concept proposal within 6 months. : **Yes**
Project Title : **A GWAS of Hypertension in Adult Survivors of Childhood Cancer.**
Planned research population (eligibility criteria) :
This proposed project is a collaborative project between CCSS and St. Jude Lifetime Cohort Study (SJLIFE). The project proposes to complete a genome-wide association study (GWAS) to identify susceptibility markers of hypertension in childhood cancer survivors alive at least 5 years after diagnosis of leukemia, CNS malignancy, Hodgkin lymphoma, non-Hodgkin lymphoma, Wilms tumor, neuroblastoma, soft tissue sarcoma, or a bone tumor.

Outcome:
Hypertension -
Discovery phase (CCSS): Hypertension will be determined by the self-reported questionnaire data stating the patient reports being diagnosed with hypertension by a physician and those that report taking medication for it.

Replication phase (SJLIFE): Clinically ascertained hypertension which will be determined by patients with a CTCAE grade 2 or higher.
Proposed specific aims :
Specific Aim 1: To perform GWAS to identify variants associated with hypertension (as defined by patients self-reporting a physician diagnosis of hypertension and/or taking hypertension medication) in childhood cancer survivors using the genetic data from the 1970-1986 cohort in CCSS.

Specific Aim 2: To identify variants that modify treatment-specific risk of hypertension in childhood cancer survivors using genetic data from the CCSS.

Specific Aim 3: To replicate significant findings associated with hypertension in an independent set of childhood cancer survivors in the SJLIFE study.

Will the project require non-CCSS funding to complete? : **No**

If yes, what would be the anticipated source(s) and timeline(s) for securing funding? :

Group: Does this project require contact of CCSS study subjects for:

Additional self-reported information : **No**

Biological samples : **No**

Medical record data : **No**

If yes to any of the above, please briefly describe. :

Group: What CCSS Working Group(s) would likely be involved? (Check all that apply)

Second Malignancy :

Chronic Disease : **Secondary**

Psychology / Neuropsychology :

Genetics : **Primary**

Cancer Control :

Epidemiology / Biostatistics : **Secondary**

Section: Outcomes or Correlative Factors

Late mortality :

Second Malignancy :

Group: Health Behaviors

Tobacco : **Correlative Factors**

Alcohol : **Correlative Factors**

Physical activity : **Correlative Factors**

Medical screening :

Other :

If other, please specify :

Group: Psychosocial

Insurance :

Marriage :

Education : **Correlative Factors**

Employment :

Other :

If other, please specify :

Group: Medical Conditions

Hearing/Vision/Speech :

Hormonal systems :

Heart and vascular : **Primary**

Respiratory :

Digestive :

Surgical procedures :

Brain and nervous system :
Other :
If other, please specify :

Group: Medications

Describe medications :
Hypertension medication: primary

Group: Psychologic/Quality of Life

BSI-18 :
SF-36 :
CCSS-NCQ :
PTS :
PTG :
Other :
If other, please specify :

Group: Other

Pregnancy and offspring :
Family history :
Chronic conditions (CTCAE v3) : **Correlative Factors**
Health status :

Group: Demographic

Age : **Correlative Factors**
Race : **Correlative Factors**
Sex : **Correlative Factors**
Other :
If other, please specify : **Body Mass Index (BMI): Correlative factor**

Group: Cancer treatment

Chemotherapy : **Correlative Factors**
Radiation therapy : **Correlative Factors**
Surgery : **Correlative Factors**

Section: Anticipated Sources of Statistical Support

CCSS Statistical Center : **Yes**
Local institutional statistician :
If local, please provide the name(s) and contact information of the statistician(s) to be involved. :
Will this project utilize CCSS biologic samples? : **No**
If yes, which of the following? :
If other, please explain :

Section: Other General Comments

Other General Comments :
I agree to share this information with St. Jude : **Yes**