Section: Contact Information

First Name: Jeanne
Last Name: Pierzynski
Institution: St. Jude Children's Research Hospital
Address 1: 262 Danny Thomas Place
Address 2: Mail Stop 735
City: Memphis
State/Province/Region: TN
Country: US
Zip/Postal Code: 38105
Phone Number: 901-595-6091
Alternate Phone Number: 
Email Address: jeanne.pierzynski@stjude.org

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