**Section: Contact Information**

First Name : I-Chan  
Last Name : Huang  
Institution : St. Jude Children's Research Hospital  
Address 1 : MS 735  
Address 2 : 262 Danny Thomas Place  
City : Memphis  
State/Province/Region : TN  
Country : US  
Zip/Postal Code : 38105  
Phone Number : (901) 595-8369  
Alternate Phone Number :  
Email Address : i-chan.huang@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:** The relationships of persistent symptoms with relapse, second malignant neoplasm, and mortality  
Planned research population (eligibility criteria) :  
1) Childhood cancer survivors >=18 years old; 2) all types of cancers.  
Proposed specific aims :  
To examine the relationships of persistent symptoms (distress symptoms, pain, fatigue, etc.) with relapse, second malignant neoplasm, and mortality using data collected from different time points, including baseline and follow-ups.  
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: Secondary

Chronic Disease: Secondary

Psychology / Neuropsychology: Secondary

Genetics:

Cancer Control:

Epidemiology / Biostatistics: Primary

**Section: Outcomes or Correlative Factors**

Late mortality: Primary

Second Malignancy: Secondary

**Group: Health Behaviors**

Tobacco: Correlative Factors

Alcohol: Correlative Factors

Physical activity: Correlative Factors

Medical screening: Correlative Factors

Other:

If other, please specify:

**Group: Psychosocial**

Insurance: Correlative Factors

Marriage: Correlative Factors

Education: Correlative Factors

Employment: Correlative Factors

Other:

If other, please specify:

**Group: Medical Conditions**

Hearing/Vision/Speech: Correlative Factors
Hormonal systems : Correlative Factors
Heart and vascular : Correlative Factors
Respiratory : Correlative Factors
Digestive : Correlative Factors
Surgical procedures : Correlative Factors
Brain and nervous system : Correlative Factors
Other :
If other, please specify :

Group: Medications
Describe medications :

Group: Psychologic/Quality of Life
BSI-18 : Secondary
SF-36 : Secondary
CCSS-NCQ : Correlative Factors
PTS : Correlative Factors
PTG : Correlative Factors
Other :
If other, please specify :

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

Group: Demographic
Age : Correlative Factors
Race : Correlative Factors
Sex : Correlative Factors
Other :
If other, please specify :
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 have discussed this concept with Drs. Armstrong, Krull and Robison. We believe this study will provide useful insights about how symptoms are related to cancer outcomes in survivors.