

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 : **Trajectory of Cardiovascular Risk Factors and Disease and Physical Activity in Adult Survivors of Adolescent and Young Adult Cancers Over Time**

Planned research population (eligibility criteria) :

Cancer survivors who were age 15-20 at diagnosis, all treatment types, no EXCLUSIONS for cancer type, treatment type, gender, race, ethnicity, or other demographics

Proposed specific aims :

AIM 1:

1a: Compare incidence and time to onset of cardiovascular risk factors [composite variable of diabetes, hypertension, dyslipidemia] between adult survivors of AYA cancers who received cardiotoxic treatment to adult survivors of AYA cancer who did not receive cardiotoxic treatment.

1b: Compare incidence and time to onset of cardiovascular disease [composite variable of heart failure, valvular heart disease, ischemic heart disease/myocardial infarction, stroke] between adult survivors of AYA cancers who received cardiotoxic treatment to adult survivors of AYA cancer who did not receive cardiotoxic treatment.

AIM 2: Examine the relationships between PA (weekly METS) with cardiovascular risk factor incidence (diabetes, hypertension, dyslipidemia) and cardiovascular disease incidence (heart failure, valvular heart disease, ischemic heart disease/myocardial infarction, stroke) in adult survivors of AYA cancers longitudinally across 7-time points (baseline, 2000, 2003, 2005, 2007, 2014, 2017).

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? :
Application for NCI F31 for submission of 08 December 2021. The completion of the proposed AIMS is not dependent on F31 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 : **Primary**

Psychology / Neuropsychology :

Genetics :

Cancer Control : **Secondary**

Epidemiology / Biostatistics :

Section: Outcomes or Correlative Factors

Late mortality : **Correlative Factors**

Second Malignancy :

Group: Health Behaviors

Tobacco :

Alcohol :

Physical activity : **Correlative Factors**

Medical screening :

Other :

If other, please specify :

Group: Psychosocial

Insurance :

Marriage :

Education :

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 :

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) :

Health status :

Group: Demographic

Age :

Race :

Sex :

Other :

If other, please specify :

Group: Cancer treatment

Chemotherapy : **Correlative Factors**

Radiation therapy : **Correlative Factors**

Surgery :

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**