Section: Contact Information
First Name: Samah
Last Name: Hayek
Institution: St. Jude Children’s Research Hospital
Address 1: 262 Danny Thomas Place
City: Memphis
State/Province/Region: TN
Country: US
Zip/Postal Code: 38105
Phone Number: 901595699
Alternate Phone Number:
Email Address: samah.hayek@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: Prevalence and Predictors of Frailty in Childhood Cancer Survivors and Siblings
Planned research population (eligibility criteria):

Survivors and siblings who completed follow-up 5 (2014)
Proposed specific aims:
1) To estimate the prevalence of the frailty phenotype in CCSS cohort members
2) To identify risk factors for frailty phenotype among the CCSS cohort members
3) To estimate the association between chronic conditions and frailty among the CCSS cohort members
4) To estimate the association between treatment types and frailty among the CCSS cohort members

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: **Primary**
Epidemiology / Biostatistics: **Secondary**

**Section: Outcomes or Correlative Factors**
Late mortality:
Second Malignancy: **Correlative Factors**

**Group: Health Behaviors**
Tobacco: **Correlative Factors**
Alcohol: **Correlative Factors**
Physical activity: **Correlative Factors**
Medical screening:
Other: **Correlative Factors**
If other, please specify: Chronic conditions

**Group: Psychosocial**
Insurance: **Correlative Factors**
Marriage: **Correlative Factors**
Education: **Correlative Factors**
Employment: **Correlative Factors**
Other: **Correlative Factors**
If other, please specify: Description of the cohort

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

**Group: Medications**
Describe medications:

**Group: Psychologic/Quality of Life**
- BSI-18:
- SF-36: **Primary**
- CCSS-NCQ:
- PTS:
- PTG:
- Other: **Secondary**
  If other, please specify: **Justify the validity sub-scale of the SF-36**

**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: **Correlative Factors**
  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:
  - Local institutional statistician: **Yes**
  - If local, please provide the name(s) and contact information of the statistician(s) to be involved.:
    - we will do the analysis by ourselves with guidance from Wendy
- 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:
  - The study will be supervised by Dr. Kirsten Ness