Section: Contact Information
First Name: Hannah
Last Name: Carter
Institution: University of California San Diego
Address 1: 9500 Gilman Dr MC0688
City: La Jolla
State/Province/Region: CA
Country: United States
Zip/Postal Code: 93093-0688
Phone Number: (858) 822-4706
Email Address: hkcarter@health.ucsd.edu

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: Germline Determinants of Pediatric Tumor Immune Microenvironment Effects on Risk, Prognosis and Treatment Response
Planned research population (eligibility criteria): Pediatric survivors with genetic profiling and clinical records including information about treatment, prognosis and secondary malignancies
Proposed specific aims:
1. Identify variants in genes that mediate the tumor immune microenvironment
2. Run associations of variants with occurrence of secondary malignancy, response to chemotherapy, age of diagnosis and survival
3. Build a predictive model of cancer risk, progression and treatment response using tumor immune microenvironment variants
Will the project require non-CCSS funding to complete?: Yes
If yes, what would be the anticipated source(s) and timeline(s) for securing funding?:
We have funding to support this work through the Mark Foundation for Cancer Research and an F30 grant.

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:
Psychology / Neuropsychology:
Genetics: Primary
Cancer Control:
Epidemiology / Biostatistics:

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

**Group: Health Behaviors**
- Tobacco: Correlative Factors
- Alcohol: Correlative Factors
- Physical activity: Correlative Factors
- Medical screening: Correlative Factors
- Other: Correlative Factors
  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:
- 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: Correlative Factors
- 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
Section: Anticipated Sources of Statistical Support
CCSS Statistical Center: Yes
If local, please provide the name(s) and contact information of the statistician(s) to be involved:
Xinlian Zhang xizhang@health.ucsd.edu
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