**Section: Contact Information**

First Name: Nicole
Last Name: Alberts
Institution: St. Jude Children's Research Hospital
Address 1: 262 Danny Thomas Place
Address 2: Mail Stop 740
City: Memphis
State/Province/Region: TN
Country: US
Zip/Postal Code: 38105
Phone Number: 19015957650
Alternate Phone Number:
Email Address: nicole.alberts@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: Internet-delivered cognitive behavioral pain management for pediatric cancer survivors with chronic pain: A randomized controlled trial

Planned research population (eligibility criteria):

Participants will be recruited from the CCSS cohort. All participants must be ≥ 18 years of age, endorse experiencing pain for ≥ 3 months, speak and read English, have access to a computer and the internet, not currently participating in cognitive behavioral therapy, not currently experiencing a psychotic illness or severe symptoms of depression.

Proposed specific aims:

**Primary Aim:**

Determine if integrating wearable respiration technology (Spire device) with an internet-delivered cognitive behavioral pain management program (Pain Course) is more effective than both the Pain Course alone, and an attention-control in reducing pain severity and pain-related disability among adult survivors of childhood cancer.

**Secondary Aims:**

1. Examine the impact of the Pain Course and Spire on symptoms of anxiety as measured by the GAD-7, depression as measured by the PHQ-8, quality of life as measured by the SF-12, and functional status as measured by the BPI Pain Interference Subscale.

2. Identify baseline characteristics of survivors (e.g., anxiety) that may moderate/mediate treatment outcomes.

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? : Anticipate applying for R01 funding in Spring 2019.
Group: Does this project require contact of CCSS study subjects for:
Additional self-reported information: Yes
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: Secondary
Genetics:
Cancer Control: Primary
Epidemiology / Biostatistics:

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: 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:
psychotropics; analgesics

**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: Correlative Factors

**Group: Demographic**
Age:
Race:
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 agree to share this information with St. Jude: Yes