

Section: Contact Information

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Institution : **The Hospital for Sick Children**

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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 : **Does sex mediate the relationship between treatment exposures and functional outcomes?**

Planned research population (eligibility criteria) :

Anyone from the CCSS who completed the BSI, NCQ, and SF-36 as well as their siblings.

Proposed specific aims :

- 1. To examine the impact of sex on neurocognitive, emotional, and quality of life outcomes in survivors compared to siblings.**
- 2. To determine whether sex mediates the effects of treatment exposures and/or chronic conditions on neurocognitive, emotional, and quality of life outcomes.**
- 3. To describe mediation effects of sex on the relationship between neurocognitive/emotional function and psychosocial outcomes (e.g., educational attainment, employment, income).**

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 :

Chronic Disease : **Secondary**

Psychology / Neuropsychology : **Primary**

Genetics :

Cancer Control :

Epidemiology / Biostatistics : **Secondary**

Section: Outcomes or Correlative Factors

Late mortality :

Second Malignancy : **Correlative Factors**

Group: Health Behaviors

Tobacco : **Correlative Factors**

Alcohol :

Physical activity :

Medical screening :

Other :

If other, please specify :

Group: Psychosocial

Insurance :

Marriage : **Primary**

Education : **Primary**

Employment : **Primary**

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 :

Surgical procedures : **Correlative Factors**

Brain and nervous system : **Correlative Factors**

Other :

If other, please specify :

Group: Medications

Describe medications :

History of analgesics, antidepressants, or anti-anxiety medications.

Group: Psychologic/Quality of Life

BSI-18 : **Primary**

SF-36 : **Primary**

CCSS-NCQ : **Primary**

PTS :

PTG :

Other :

If other, please specify :

Group: Other

Pregnancy and offspring : **Correlative Factors**

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 :

Dr. Rachel Peterson is a postdoctoral fellow in Psychology at the Hospital for Sick Children in Toronto. She completed her residency training at St. Jude Children's Research Hospital. Dr. Kim Edelstein, neuropsychologist at the Princess Margaret Cancer Centre, will mentor Dr. Peterson on this project.

I agree to share this information with St. Jude : **Yes**