**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: Developing a clinical and genetic risk prediction model for diabetes mellitus among survivors of childhood cancer

**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 :  
Genetics : Primary  
Cancer Control :  
Epidemiology / Biostatistics : Secondary
Section: Outcomes or Correlative Factors

Late mortality:
Second Malignancy:

Group: Health Behaviors
Tobacco: Secondary, Correlative Factors
Alcohol: Correlative Factors
Physical activity: Correlative Factors
Medical screening: Primary
Other:
If other, please specify:

Group: Psychosocial
Insurance:
Marriage:
Education: Correlative Factors
Employment: Correlative Factors
Other:
If other, please specify:

Group: Medical Conditions
Hearing/Vision/Speech:
Hormonal systems: Correlative Factors
Heart and vascular: Correlative Factors
Respiratory:
Digestive:
Surgical procedures:
Brain and nervous system:
Other: Primary, Secondary
If other, please specify: Diabetes mellitus (primary), body mass index (secondary)

Group: Medications
Describe medications:
Medications for diabetes/insulin resistance, hypertension, and dyslipidemia

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):
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: 
- Local institutional statistician: Yes
  If local, please provide the name(s) and contact information of the statistician(s) to be involved.
  Dr. Melissa Richard (Melissa.Richard@bcm.edu) will lead the analysis. She has extensive experience in analyzing cardiometabolic traits in large cohorts, including CHARGE. Additionally, she is currently working with the PI of this project (Dr. Philip Lupo) on the CCSS GWAS of diabetes.

- 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:
  This project will be an extension of the currently approved CCSS diabetes genome-wide association study (GWAS). Specifically, we plan to generate a clinical risk prediction model using factors that have been identified in previous CCSS manuscripts (e.g., Meacham et al., 2009 and Mostoufi-Moab et al., 2016) and determine model improvement based on the inclusion of a genetic risk score derived from the GWAS. Notably, both Drs. Meacham and Mostoufi-Moab will be collaborators on this project.

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