Section: Contact Information

First Name : **Maria**
Last Name : **Gramatges**
Institution : **Baylor College of Medicine**
Address 1 : **1102 Bates St**
Address 2 : **Ste 1200**
City : **Houston**
State/Province/Region : **TX**
Country : **US**
Zip/Postal Code : **77009**
Phone Number : **832-824-4678**
Alternate Phone Number :
Email Address : mmgramat@txch.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 : **A Genome-Wide Association Study for Frailty in Adult Survivors of Childhood Cancer**
Planned research population (eligibility criteria) :
This study will be conducted in the 5,324 childhood cancer survivors of European ancestry who are enrolled to the CCSS original cohort (diagnosed 1970-1986) and who have available genotype data. All CCSS participants (original and expansion cohorts) who completed a follow up questionnaire by the end of 2016 and are at least 18 years old have already been characterized for frailty (n=10,899).
Proposed specific aims :
Aim 1: Evaluate the relationship between previously-published genetic variants associated with components of frailty and the risk for these frailty-related outcomes in survivors of childhood cancer

Aim 2: Identify novel genetic variants associated with frailty-related outcomes and frailty status classification in survivors of childhood cancer

Aim 3: Develop an integrated clinical and genetic risk prediction model for frailty in survivors of childhood cancer
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 :
Genetics : **Primary**
Cancer Control :
Epidemiology / Biostatistics : **Secondary**

Section: Outcomes or Correlative Factors

Late mortality :
Second Malignancy :

Group: Health Behaviors

Tobacco :
Alcohol :
Physical activity :
Medical screening :
Other :
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 : **Primary**
If other, please specify : **FRAILTY (recently characterized by Hayek and Ness et al.)**

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 :
Chronic conditions (CTCAE v3) : **Secondary**
Health status :

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 : **Yes**
If local, please provide the name(s) and contact information of the statistician(s) to be involved. :
Analysis will be conducted by Melissa Richard under the supervision of Philip Lupo and Monica Gramatges. Replication is requested with the assistance of Dr. Yasui.
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. Ness is a collaborator on this proposal and has agreed to share the frailty characterization data currently under review. Dr. Hayek is also included.
I agree to share this information with St. Jude : **Yes**