

### **Section: Contact Information**

First Name : **Robert**

Last Name : **Goldsby**

Institution : **UCSF Benioff Children's Hospital**

Address 1 : **550 16th St**

Address 2 : **Box 0434**

City : **San Francisco**

State/Province/Region : **CA**

Country : **United States**

Zip/Postal Code : **94143**

Phone Number : **4154763831**

Alternate Phone Number :

Email Address : [goldsbys@ucsf.edu](mailto:goldsbys@ucsf.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 : **Chronic Conditions in Pediatric Cancer Survivors Diagnosed During Infancy (<1 year old) Compared to Similarly Treated Survivors Diagnosed at an Older Age (1-9 years old)**

Planned research population (eligibility criteria) :

**Cancer in infants is rare, but has particular challenges. This transformative period for families is particularly difficult and complex decisions are fraught with emotions. The impact of these decisions, particularly in young children with life threatening illnesses, can be significant.**

**Young age is generally associated with a number of late effects from cancer directed therapy. These can range from enhanced treatment related dental abnormalities to long term added risk of second malignant neoplasms. However, the overall impact of late effects in this population has not been thoroughly examined.**

**We purpose to examine the late effects in the very young child using the robust Childhood Cancer Survivorship Study. We will examine the late cause specific mortality and the prevalence of chronic conditions. We will compare to diagnosis and treatment matched older children to assess if there is added risk in this population.**

Proposed specific aims :

**Aims:**

**1)**

**a. Describe the overall and cause-specific mortality of infants, less than 1 year of age, diagnosed with cancer.**

**b. Compare survival outcomes to older similarly treated children.**

**c. Compare to sibling.**

**2)**

**a. Describe the prevalence and cumulative incidence of chronic health conditions in**

- survivors diagnosed with cancer in infancy.  
b. Compare to older, similarly treated children  
c. Compare to sibling

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? :

**Funds are available if needed (local Swim Across America funds)**

***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 : **Secondary**

Chronic Disease : **Primary**

Psychology / Neuropsychology :

Genetics :

Cancer Control :

Epidemiology / Biostatistics :

***Section: Outcomes or Correlative Factors***

Late mortality : **Secondary**

Second Malignancy : **Secondary**

***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 :  
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 :  
Chronic conditions (CTCAE v3) : **Primary**  
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 :  
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 :  
**Other local contributors: Trish Murphy (RN) and Hannah Rees (medical student)**  
I agree to share this information with St. Jude : **Yes**