CCSS Application of Intent

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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	Immune Deficits in Survivors of Childhood Cancer
Planned research population (eligibility criteria)	1) Survivors with thyroid or meningioma SMN 2) Survivors matched by treatment exposures, and with no SMN and no grade 3/4 CHC (collected prospectively as part of the CCSS supplemental blood banking recruitment study)
Proposed specific aims	1) To characterize the prevalence and type of immune deficits in long-term radiation-exposed survivors of childhood cancer with meningioma or thyroid SMN, compared to matched survivors with no SMN 2) To determine host and disease-related factors that are associated with immune deficits in long-term survivors of childhood cancer 3) To identify genetic and molecular mechanisms underlying immune deficits in long-term survivors of childhood cancer
Will the project require non-CCSS funding to complete?	Yes
What would be the anticipated source(s) and timeline(s) for securing funding?	NCI R01 (MPI with Kavita Dhodapkar, Emory and Smita Bhatia, UAB)

Additional self-reported information	No
Biological samples	No
Medical record data	No
If yes to any of the above, please briefly describe.	
WORKING GROUPS	
Second Malignancy	Primary
Chronic Disease	
Psychology / Neuropsychology	
Genetics	Secondary
Cancer Control	
Epidemiology / Biostatistics	
OUTCOMES/CORRELATIVE FACTORS	
Late Mortality	
Second Malignancy	Primary
HEALTH BEHAVIORS	
Tobacco	
Alcohol	
Physical Activity	
Medical Screening	
Other	
If other, please specify	
PSYCHOSOCIAL	
Insurance	Correlative Factors
Marriage	Correlative Factors
Education	Correlative Factors
Employment	Correlative Factors
Other	
If other, please specify	
MEDICAL CONDITIONS	
Hearing/Vision/Speech	
Hormonal Systems	
Heart and Vascular	

Respiratory	
Digestive	
Surgical Procedures	
Brain and Nervous System	
Other	
If other, please specify	
MEDICATIONS Describe medications	
PSYCHOLOGIC/QOL BSI-18	
SF-36	
CCSS-NCQ	
PTS	
PTG	
Other	
If other, please specify	
OTHER Pregnancy and Offspring	
Family History	Correlative Factors
Chronic Conditions (CTCAE v3)	Correlative Factors
Health Status	Correlative Factors
DEMOGRAPHIC Age	Correlative Factors
Race	Correlative Factors
Sex	Correlative Factors
Other	Correlative Factors
If other, please specify	
CANCER TREATMENT Chemotherapy	Correlative Factors
Radiation Therapy	Correlative Factors
Surgery	
STATISTICAL SUPPORT	CCSS Statistical Center Local institutional statistician
If local, please provide the name(s) and contact information of the	Undecided, if local will be Melissa Richard, PhD

statistician(s) to be involved.	
Will this project utilize CCSS biologic samples?	Yes
If yes, which of the following?	Peripheral blood
If other, please explain	Some being collected prospectively under supplemental funding protocol (controls without grade 3/4 CHC and additional survivors with SMN history)
Agree	I agree to share this information with St. Jude