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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: PRDM1 and somatic mutations in SMNs after HL
Planned research population (eligibility criteria): archival tumor samples from patients with radiation-induced second cancers after Hodgkin lymphoma
Proposed specific aims: 1. Genotype the chr 6q21 risk locus in all samples 2. Assess by FISH and/or IHC PRDM1 and MYC mutation status in SMNs, since 1) the region containing PRDM1 is frequently lost in radiation-induced breast cancer; 2) MYC is known to be a PRDM1 target, and 3) MYC is known to be altered in radiation-induced breast 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?:

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: we plan to use only archival material

What CCSS Working Group(s) would likely be involved? (Check all that apply)
To describe the anticipated scope of the study, please indicate the specific CCSS data to be included as outcome (primary or secondary) or correlative factors. (Check all that apply)

Late mortality: Secondary
Second Malignancy: Primary

Health Behaviors

Tobacco:
Alcohol:
Physical activity:
Medical screening:
Other:
If other, please specify:

Psychosocial

Insurance:
Marriage:
Education:
Employment:
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: antedent radiation and chemotherapy

Pregnancy and offspring:
Family History:

Psychologic/Quality of Life
BSI-18:
SF-36:
CCSS-NCQ:
PTS:
PTG:
Other:
If other, please specify:

Chronic conditions (CTCAE v3):
Health status:

Demographic
Age:
Race:
Sex:
Others:
If others, please specify:

Cancer treatment
Chemotherapy: Correlative Factors
Radiation therapy: Correlative Factors
Surgery:

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.: we do our own statistical analysis in collaboration with a statistical geneticist who is part of our group
Will this project utilize CCSS biologic samples?: Yes
If yes, which of the following?
Buccal cell DNA:
Peripheral blood:
Lymphoblastoid cell lines:
Second malignancy pathology samples: Yes
Other requiring collection of samples:
If other, please explain:

Other general comments: