Teachers, as an occupational group, have been previously shown to have an elevated risk of malignant melanoma, breast, and endometrial cancers relative to the general population. However, there is surprisingly little evidence regarding teacher-specific occupational risk factors driving this higher risk in cancer incidence. The California Teachers Study (CTS) cohort consists of 133,479 female teachers and administrators recruited during 1995-1996 who provided detailed information of their occupational characteristics and have been followed since enrollment until their development of cancer, and currently is in its 23rd year of follow-up. With the reported higher cancer incidence rates among teachers, it is crucial for us to understand the unique occupational-centered characteristics associated with various cancer risks. In this seminar, I will present my proposed research to assess the occupational characteristics in female teachers on the risk of developing malignant melanoma, breast and endometrial cancers in the large prospective California Teachers Study.