

Researcher Information Form

Name: Susan M. Pinney, Ph.D., FACE

Department/Division/College:

Division of Epidemiology, Department of Environmental Health, College of Medicine.

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Research Interest (1-2 Sentences):

My research experience spans traditional epidemiology with a quantitative focus, molecular epidemiology including both linkage and GWAS genetic studies and studies of DNA methylation. I have studied risk factors and etiology of breast and lung cancer, and environmental factors such as cigarette smoke and environmental endocrine disruptors as risk factors for later cancer occurrence.

Unique Resources/Techniques:

My efforts have produced resources including data and bio-specimen repositories utilized by others throughout the University of Cincinnati, nationally at other academic institutions and in intra-mural programs at several NIH institutes. I have been responsible for the research resources, both data and biospecimens, of the Fernald Community Cohort since 1991, and the data archive of the Breast Cancer Registry of Greater Cincinnati since 2004.

Representative Publications (5 Maximum, May use Hyperlink):

Musolf AM, Moiz BA, Sun H, Pikielny CW, Bossé Y, Mandal DM, de Andrade M, Gaba C, Yang P, Li Y, You M, Govindan R, Wilson RK, Kupert EY, Anderson M, Schwartz AG, **Pinney SM**, Amos CI, Bailey-Wilson JE. Whole Exome Sequencing of Highly Aggregated Lung Cancer Families Reveals Linked Loci for Increased Cancer Risk on Chromosomes 12q, 7p and 4q. *Cancer Epidemiology, Biomarkers and Prevention*, 2020. Feb;29(2):434-442. doi: 10.1158/1055-9965.EPI-19-0887. Epub 2019 Dec 11. PMID:31826912

Fassler CS, Gutmark-Little I, Xie C, Giannini CM, Chandler DW, Biro FM, **Pinney SM**. Sex hormone phenotypes in young girls and the age at pubertal milestones. *Journal of Clinical Endocrinology and Metabolism*, 2019. 2019 Dec 1;104(12):6079-6089. doi: 10.1210/jc.2019-00889. PMID:31408174

Pinney SM, Windham GC, Xie C, Herrick RL, Calafat AM, McWhorter K, Fassler C,

Hiatt RA, Kushi LH, Biro FB. Perfluorooctanoate and Changes in Anthropometric Parameters with Age in Young Girls in the Greater Cincinnati and San Francisco Bay Area. *Journal of Hygiene and Environmental Health* 2019; <https://doi.org/10.1016/j.ijheh.2019.07.002>

Pugh AM, Giannini CM, **Pinney SM**, Hanseman DJ, Shaughnessy EA, Lewis JD. Characteristics and Diagnosis of Pregnancy and Lactation Associated Breast Cancer: Analysis of a Self-Reported Regional Registry. *American Journal of Surgery* 2018 Oct;216(4):809-812. doi: 10.1016/j.amjsurg.2018.07.060. Epub 2018 Sep 20.

Liu Y, Lusk C, Cho M, Ahang R, Scheurer M, Kheradmand F, Qiao D, Wheeler D, Tsavachidis S, Armstrong G, Chow C-W, Behrens C, Pikielny C, Neslund-Dudas C, **Pinney SM**, Bailey-Wilson J, Gaba C, Mandal D, Wistuba I, Amos C, Silverman E, Schwartz AG, Spitz M. Rare Variants in Known Susceptibility Loci and Their Contribution to Risk of Lung Cancer. *Journal of Thoracic Oncology* 2018; 13(10):1483-1495. doi: 10.1016/j.jtho.2018.06.016