



## Pilot Projects, Year 16 (2011-12)

**Random Mutations in Breast Cancer Stem Cells** • [Dr. Eun Hyun Ahn](#), PI, Department of Pathology, UW School of Medicine.

**Diesel Particulate-Induced Cardiac Histone Acetylation and Heart Failure** • [Dr. Michael T. Chin](#), PI, Cardiology Division, UW School of Medicine • Co-investigators: Theo Bammler, DEOHS, UW School of Public Health; Richard Byer, DEOHS, UW School of Public Health; Frederico Farin, DEOHS, UW School of Public Health

**Statistical Methods for Gene-Environment Interaction in the Presence of Measurement Error** • [Dr. Chongzhi Di](#), PI, Fred Hutchinson Cancer Research Center • Co-Investigator Ulrike Peters, Department of Epidemiology, UW School of Public Health

**A Pilot Health Study of Airborne Calcium Carbonate Nanoparticle Exposure** • [Dr. Michael Yost](#), PI, DEOHS, UW School of Public Health • Co-Investigator Sverre Vedal, DEOHS, UW School of Public Health

## Pilot Projects, Year 17 (2012-13)

**Parkinsonism and Methylation of Manganese Neurotoxicity Genes in Welders** • [Dr. Harvey Checkoway](#), PI, DEOHS, UW School of Public Health • Co-Investigators: Frederico Farin, DEOHS, UW School of Public Health; Brad Racette, Division of Adult Neurology, Washington University; Susan Searles Nielsen, UW School of Public Health

**Maternal heavy metal exposure, DNA methylation, and fetal growth** • [Dr. Daniel Enquobahrie](#), PI, Department of Epidemiology, UW School of Public Health • Co-Investigators: David Siscovick, Department of Epidemiology, UW School of Public Health; Frederico Farin, DEOHS, UW School of Public Health; John Stamatoyannopoulos, Department of Genome Sciences, UW; Michelle Williams, Department of Epidemiology, UW School of Public Health

**Effect of NAT Genotype on urinary nitropyrene excretion profile and clearance** • [Dr. Chris Simpson](#), PI, DEOHS, UW School of Public Health • Co-Investigators: Penelope JE Quintana, Division of Environmental Health, San Diego State University; Joel Kaufman, DEOHS, UW School of Public Health

**Expression profiling of hepatic enzymes and transporters in human hepatocytes treated with pregnancy-related hormones; implications for the exposure of pregnant women to environmental chemicals** • [Dr. Jashvant Unadkat](#), PI, UW School of Pharmacy • Co-Investigator: Theo Bammler, DEOHS, UW School of Public Health

**The role of PBDE in non-alcoholic steatohepatitis-related liver cancer** • [Dr. Raymond Yeung](#), PI, UW School of Medicine • Co-Investigator: David Marcinek, Department of Radiology, UW School of Medicine