

### New York bound... and New biospecimens resource!

Five CEG members have had abstracts accepted to the [2022 Meeting of the NIEHS Environmental Health Sciences Core Centers](#) (EHS CC) at the New York Academy of Medicine in New York City, July 13 -15. This year's meeting is sponsored by the Transdisciplinary Center on Effects of Early Environmental Exposures (P30 ES023515) and Institute for Exposomic Research at the Icahn School of Medicine at Mount Sinai. Representing the CEG are

**Angelico Mendy, MD, MPH, PhD;** Aimin Chen, MD, PhD; **Kimberly Yolton, PhD.** [Early Life Exposure to Replacement Flame Retardants and Child Respiratory Outcomes](#)

**Susan Pinney, PhD, FACE;** Marilyn V. Howarth, Kathleen M. Vandiver, Adrian Wood, Bob Adams, Joyce Bentle, Sharon Cooke-Vargus, Lisa Crawford, Graham Mitchell, Martha K. Stevenson, Suzanne M. Sullivan, Kent Meloy, Kayla McGill. Poster: [Lessons Learned Along the Road to Hazardous Waste Clean-up](#)

**Michelle Burbage, PhD;** Nicholas Newman, DO, MS, FAAP. [Fostering Meaningful Bidirectional Community-Academic Engagement](#)

**Nicholas Newman, DO, MS, FAAP;** Reid Hartman, MD; Joseph Kiesler, MD. [Integrating Environmental Medicine into Pre-Clinical Physician Education: Lessons Learned](#)

The CEG is pleased to announce the recent delivery of two freezers

to house biospecimens from the [Growing up Female](#) study. The Growing Up Female study is a collaborative program of the Breast Cancer and the Environment Research Program (BCERP) that has been examining the role that genetic-level markers and social, environmental and lifestyle factors play in the timing of female puberty. The research team, led by CCHMC's [Frank Biro, MD](#), hypothesizes that the early development of obesity as a result of environmental, social, and lifestyle factors leads to early breast development and an earlier start of the menstrual cycle as well as an increased risk of developing breast cancer. Request to use biospecimens can be submitted to the **Growing up Female** study in c\o [Susan Pinney, PhD, FACE](#).

### Recent Publications

Turner AL, Brokamp C, Wolfe C, **Reponen T, Brunst KJ, Ryan PH.** Mental and physical stress responses to personal ultrafine particle exposure in adolescents. *Int J Environ Res Public Health.* 2022 Jun 19;19(12):7509. [PMID: 35742759](#). [PMCID: PMC9223710](#).

Salo PM, **Mendy A,** Wilkerson J, Molsberry SA, Feinstein L, London SJ, Fessler MB, Thorne PS, Zeldin DC. Serum antioxidant vitamins and respiratory morbidity and mortality: a pooled analysis. *Respir Res.* 2022 Jun 9;23(1):150. [PMID: 35681205](#). [PMCID: PMC9178544](#).

Upadhyay PR, Starner RJ, Swope VB, Wakamatsu K, Ito S, **Abdel-Malek ZA.** Differential induction of reactive oxygen species and expression of antioxidant enzymes in human melanocytes correlate with melanin content: Implications on the response to solar UV and melanoma susceptibility. *Antioxidants (Basel).* 2022 Jun 20;11(6):1204. [PMID: 35740103](#). [PMCID: PMC9219903](#).

Li Y, Xiao X, Li J, Byun J, Cheng C, Bossé Y, McKay J, Albanes D, Lam S, Tardon A, Chen C, Bojesen SE, Landi MT, Johansson M, Risch A, Bickeböllner H, Wichmann HE, Christiani DC, Rennert G, Arnold S, Goodman G, Field JK, Davies MPA, Shete SS, Le Marchand L, Melander O, Brunström H, Liu G, Hung RJ, Andrew AS, Kiemeny LA, Shen H, Sun R, Zienolddiny S, Grankvist K, Johansson M, Caporaso N, Teare DM, Hong YC, Lazarus P, Schabath MB, Aldrich MC, Schwartz AG, Gorlov I, Purrington K, Yang P, Liu Y, Han Y, Bailey-Wilson JE, **Pinney SM,** Mandal D, Willey JC, Gaba C, Brennan P, Amos CI; INTEGRAL-IL-CCO lung cancer consortium. Genome-wide interaction analysis identified low-frequency variants with sex disparity in lung cancer risk. *Hum Mol Genet.* 2022 Feb 9;ddac030.

Online ahead of print. [PMID: 35138370](#).



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