

Yale SCHOOL OF PUBLIC HEALTH

Environmental Health Sciences

VIRTUAL SEMINAR

Environmental Chemical Impact on the Host-Microbiome Interaction



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Professor

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Dr. Patterson is the Smith Professor and Professor of Molecular Toxicology at the Pennsylvania State University and is the Scientific Director of Metabolomics. He holds joint appointments in the Department of Veterinary and Biomedical Sciences and the Department of Biochemistry and Molecular Biology. He and his students, postdocs, and collaborators focus on understanding the host-metabolite-microbiota communication network—specifically how the manipulation of gut microbiota by diet and/or xenobiotics impacts host metabolites, their metabolism, and how these co-metabolites interact with host ligand-activated transcription factors. The lab employs a variety of tools, including NMR- and mass spectrometry-based metabolomics, genomics, and conventional and gnotobiotic transgenic mice, to facilitate its study of these pathways and understand their impact on human health and disease. Dr. Patterson received his MPhil degree in genetics in 2004 and his PhD in Genetics in 2006 from the Graduate Partnerships Program of National Cancer Institute and George Washington University.

12-1 p.m. EST. Wednesday, April 20, 2022
LEPH 101, 60 College Street
Zoom link: <https://yale.zoom.us/j/92965470385>