

UC Davis Environmental Health Sciences Center

SCIENCE SEMINAR

MARCH 17, 2022, 12-1 PM

Dr. Carolyn Slupsky

on "Prenatal exposures, the placenta metabolome and neurodevelopment"

Professor Slupsky holds a joint appointment in the Departments of Nutrition and Food Science & Technology at the University of California, Davis. Her research is focused on the nexus between food, the gut microbiome and health, with a focus on understanding how diet and the environment impact the relationship between the gut microbiome and host metabolism. She is particularly interested in how food, nutrition and environmental exposures impact the microbiome to shape prenatal and postnatal infant and child development. Professor Slupsky is a world-renowned leader in metabolomics and data integration, with more than 150 publications to date. She was named a UC Davis Chancellor's Fellow in 2015, and the Kinsella Endowed Chair in Food, Nutrition, and Health in 2016.

Dr. Kari Neier

on "Using epigenomics and transcriptomics to gain insights into mechanisms of PCB toxicity"

Dr. Neier has a PhD in toxicology from the University of Michigan and is a postdoctoral scholar in the **LaSalle Lab** at the University of California, Davis. Neier's work focuses on bioinformatics, analyzing and integrating metabolome, microbiome, bulk and single-cell transcriptome and DNA methylome data to investigate the pathophysiology of Rett syndrome and mechanisms of developmental PCB toxicity.

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