

Yale SCHOOL OF PUBLIC HEALTH
Epidemiology of Microbial Diseases

EMD Seminar Series

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**“Sex-specific Immune Responses Link to
Metabolism in COVID-19”**

Immune responses have been shown to underlie sex-related differences in clinical outcomes for COVID-19 patients. As immune responses are, in part, regulated by metabolites, we examined the serum metabolome of COVID-19 patients to determine sex-specific metabolic regulation. We observed that male patients have elevated kynurenic acid production which associated with elevated cytokine levels and poorer clinical outcomes. The study also suggested a positive feedback between metabolites and immune responses which could underlie the differential sex-specific responses to COVID-19.

12:00 PM Wednesday, November 17, 2021
Host: N. Grubaugh/R. Heimer/A. Wyllie
47 College St., Rm. 106B and Zoom