The female vaginal biome is an ecosystem of good bacteria and bad bacteria. When those bacteria are out of balance, problems such as increased risk of infection and reproductive and gynecologic sequelae occur. The Herbst-Kralovetz lab focuses on understanding the microbiome and host-microbe interactions in the female reproductive tract related to gynecologic and oncologic health outcomes. This seminar will cover recent work by the Herbst-Kralovetz lab team to integrate multiple omics data sets (microbiome, immunoproteome and metabolome) to predict features of the cervicovaginal microenvironment as they relate to women’s health and disease using clinical data sets and innovative 3-D human model systems.

Abstract, Dr. Melissa Herbst-Kralovetz

Center for Health Through Microbiomes Seminar Series

September 28, 12-1 p.m.
WCPH (ISTB7) Auditorium, Room 107
777 E University Dr, Tempe, AZ 85281

Dr. Melissa Herbst-Kralovetz

Leveraging Multi-Omics Analyses to Positively Impact Women’s Health

RSVP https://na.eventscloud.com/htmseminar
Virtual Attendance https://asu.zoom.us/j/84566756842

About the speaker

Melissa Herbst-Kralovetz, PhD
Director & Associate Professor
The University of Arizona

Dr. Melissa Herbst-Kralovetz is a tenured Associate Professor in the Departments of Basic Medical Sciences and Obstetrics and Gynecology and became the Director of the Women’s Health Microbiome Initiative at the College of Medicine-Phoenix in 2017 and currently directs the Women’s Health Research Program. In 2021, she became the co-Director of the Reproduction, Endocrine, & Behavior Through the Lifespan (REBLS) in the COM-Phx medical program. Her research program is focused on understanding the microbiome and host-microbe interactions in the female reproductive tract as it relates to oncologic, reproductive, gynecologic health outcomes and health disparities. https://herbstkralovetzlab.weebly.com/