

# DBDS Workshop in Biostatistics

Remote Access:

<https://stanford.zoom.us/j/98254419706?pwd=SlpzcDExV0t0b1Nnbi9FazRycXIFQT09>

<b>DATE:</b>	September 30, 2021
<b>TIME:</b>	1:30-3:00pm
<b>TITLE:</b>	<i>Big data from tiny microbes across Earth's ecosystems</i>
<b>SPEAKER:</b>	<b>Emiley Eloe-Fadrosh</b> , Metagenome Program Head & Environmental Genomics Group Lead, DOE Joint Genome Institute, Lawrence Berkeley National Lab

## Abstract:

Genome-resolved metagenomics has enabled unprecedented insights into the ecology and evolution of environmental and host-associated microbiomes. This powerful approach is scalable and was applied to over 10,000 metagenomes collected from diverse habitats to generate an extensive catalog of microbial diversity. In collaboration with a large research consortium, we highlight how this genomic catalog can support discovery of new biosynthetic gene clusters and associating environmental viruses to their microbial hosts.

## Suggested Reading:

- [“A genomic catalog of Earth’s microbiomes”](#)



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