

— “ —

In the search for beneficial bacteria, follow your nose!

— ” —



Katherine P. Lemon, M.D., Ph.D.

Associate Professor
Molecular Virology & Microbiology
Baylor College of Medicine

JOIN VIA ZOOM



About this seminar: The long-term goal of research in the K Lemon Lab is to identify bacterial strains and bacterial-produced compounds that will be leads for new ways to prevent, and treat, infections. Within the human aerodigestive tract, the bacterial microbiota of the nasal passages, from the nostrils through the nasopharynx, is an excellent model system because it is simple, cultivable and readily accessible. Using this system, we are identifying causal mechanisms of interspecies interactions that shape microbiota composition and influence host-microbe interplay.

References:

1. Flores RS, Lemon KP., et al. **Genomic Stability and Genetic Defense Systems in *Dolosigranulum pigrum* a Candidate Beneficial Bacterium from the Human Microbiome.** mSystems. 2021, Sept 21;6(5):e00425-21
2. Claesen J, Lemon KP, et al. **A Cutibacterium acnes antibiotic modulates human skin microbiota composition in hair follicles.** Sci Transl Med. 2020 Nov 18;12(570):eaay5445
3. Escapa IF, Lemon KP, et al. **New Insights into nostril microbiome from the expanded HOMD: a resource for species-level identification of microbiome data from the aerodigestive tract.** mSystems. 2018;3:e00187-18

OCT 21 • 4:00 PM

<https://tinyurl.com/y5rd2uut>

Meeting ID: 951 0349 9512
Password: 2020



For more info:
escamill@bcm.edu
(713) 798-3478