

Stephanie Mathews

Environmental Microbiology

Department of Biological Sciences











COLI





















































































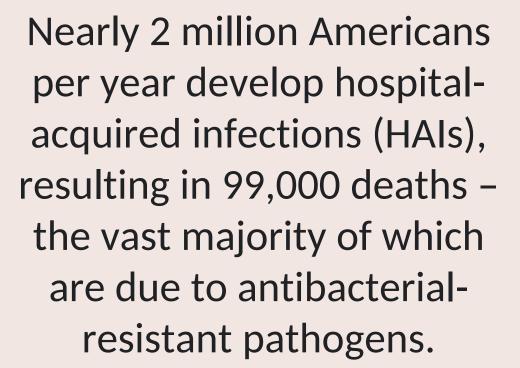












Research Questions

What environment may contain antibiotic producing bacteria?

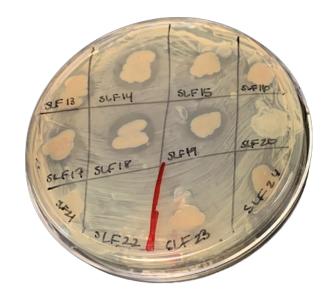
Can we isolate antibiotic producing bacteria that can inhibit growth of hard-to-treat pathogens?



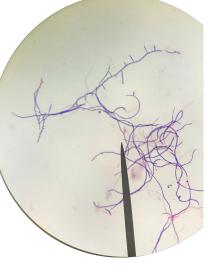
Methods

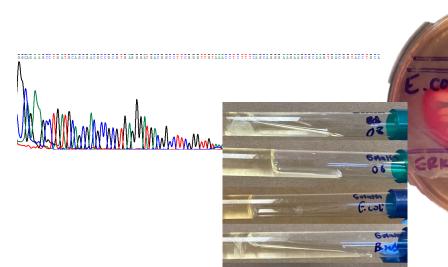


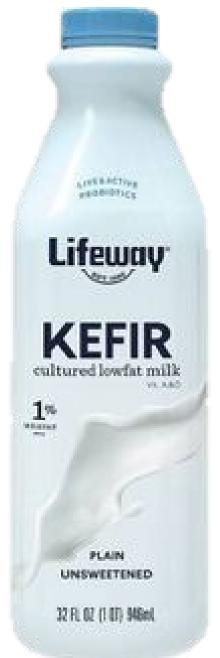










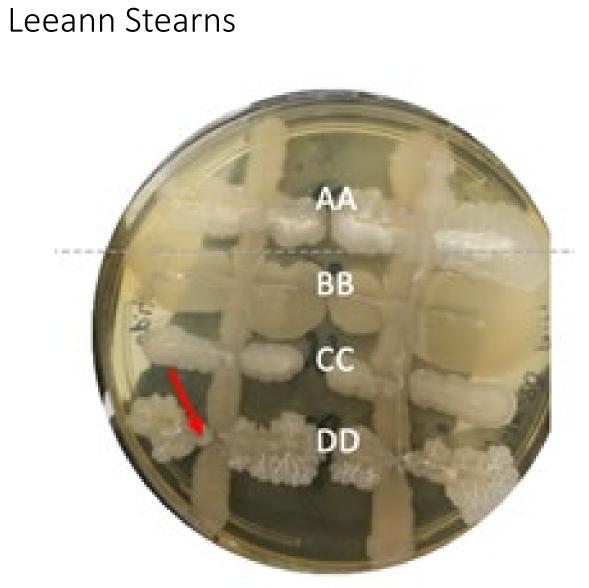


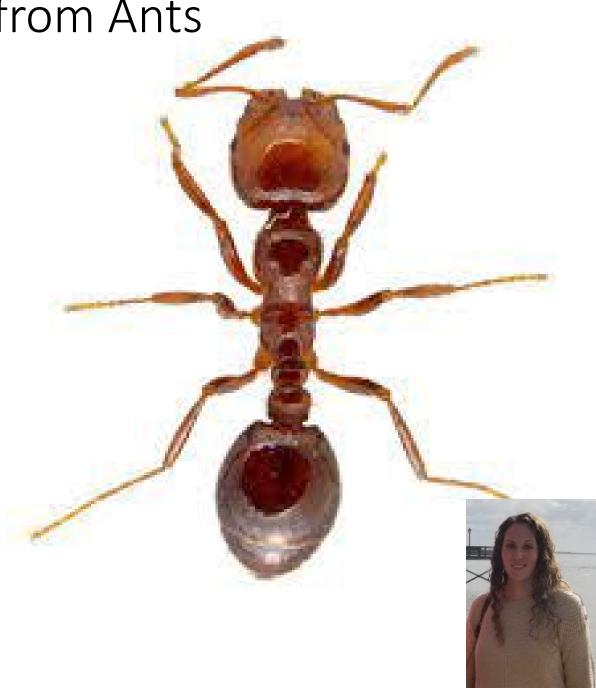
Antibiotic Producing Bacteria from Kefir Anna Braaten





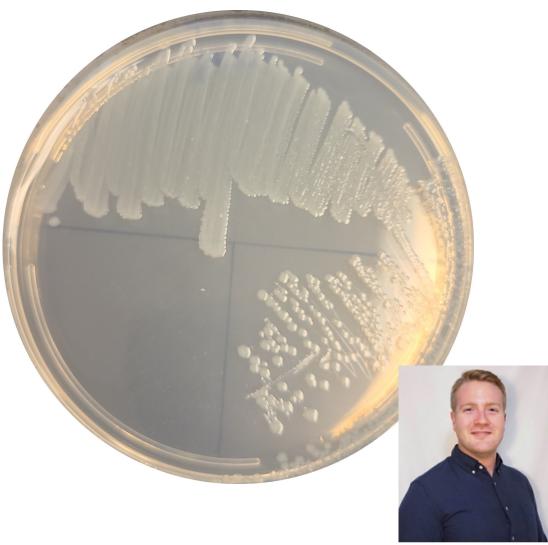
Antibiotic Producing Bacteria from Ants





Antibiotic Producing Bacteria from Wastewater Thomas Rush

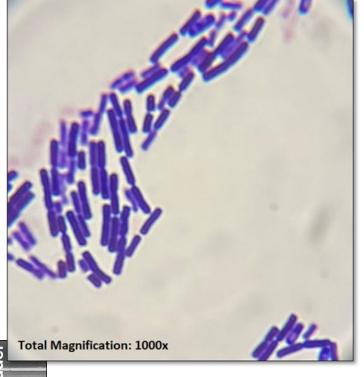


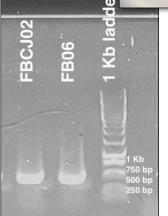


Antibiotic Producing Bacteria from Soil

Biology 275 and 334 course labs







FB-CJ02: Bacillus cereus

Additional Research Questions

• Is there diversity of heterotrophic nitrifying bacteria?

What roles does stress play in Women's Lacrosse Athlete wellness?

Isolation of Denitrifying Bacteria Allison Cannady



POLLINATOR MEADOWS & RIVER PARK

campbellriverpark.net 260 Club Road, Lillington, NC 27546







Cortisol and CRP analysis in CU athletes Austin Calhoun

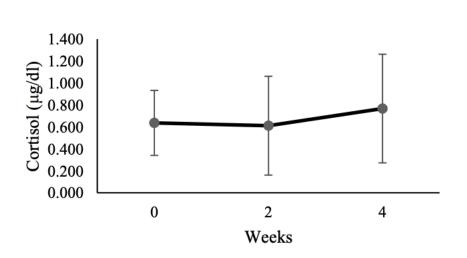
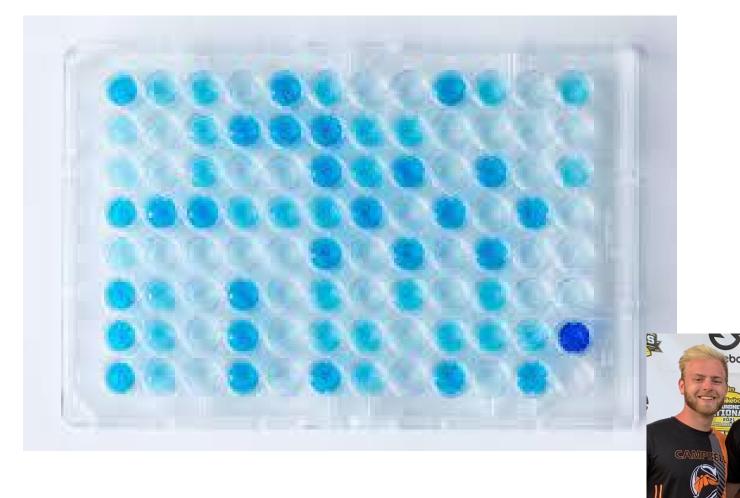


Figure 1: Mean \pm standard deviation for changes in cortisol from baseline (week 0) to week 4 of the study.



Clothing

Arthropods

PAST PROJECTS

What role do microorganisms have on the world around us?

Sourdough







Food Production





Thank you

Past Student Researchers

Micaela Robson

Kaitlyn Mizelle

Dylan Rogers

Amanda Brechko

William Strader

Caitlyn Vester Coleman

Jessica Wakeman

Jenna Carter

Ashley Darroch Lawson

Taylor Braswell

Biological Sciences Faculty and Staff

Ester H. Howard Summer Research Program

Wiggins Memorial Library Staff

Tiny Earth

