

June 2021| Issue 16

Upcoming Events

BIOME: 07/19/21 - 08/06/21

AAEEBL: 07/20/21 - 07/22/21

SABER: July 2021 (Every Friday)

Lilly Asheville: 08/02/21 - 08/04/21

SENCER: 08/05/21 to 08/22/21

ESA Mid-Atlantic: October 2021

Lilly Traverse: 10/14/21 - 10/16/21

South Central ASM: 10/21/21 - 10/23/21

Sigma Xi: 11/04/21 - 11/7/21

NABT: 11/11/21 - 11/14/21

Lilly Original: 11/18/21 - 11/20/21

If you have other events we can share here

Email us: ugmicronet@gmail.com



Conference News

Team REMNet attended this year's ASMCUE and presented a prerecorded microbrew and we presented at the roundtables. We met some new REMNet members! Welcome to the family.

The [SENCER](#) Summer Institute is fast approaching and you'd all be welcome to do a poster or session there especially if your work has a climate justice angle! We welcome anyone who is doing undergraduate work with civic and social engagement AND there'll be workshops on course design and science communication. See [here](#) to submit proposals.

We have news below from Emmett Smith and Theo Muth. Please share your good news with us!

Exciting Recent Microbiome Studies and News

NIH Scientists Describe "Multi-Kingdom

Dialogue" Between ...

National Institutes of Health scientists and their collaborators have identified an internal communication network in mammals that may regulate tissue repair and inflammation, providing new insights on how diseases such as obesity and...

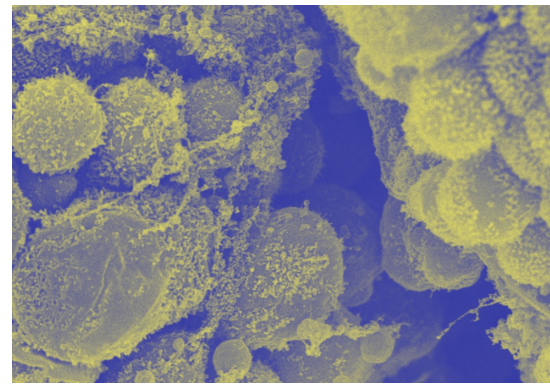
[Read more](#)
www.niaid.nih.gov

bioRxiv
THE PREPRINT SERVER FOR BIOLOGY

Pathogenic and Indigenous Denitrifying Bacteria are...

The global rise and spread of antibiotic resistance greatly challenge the treatment of bacterial infections. Wastewater treatment plants (WWTPs) harbor and discharge antibiotic resistance genes (ARGs) as environmental contaminants. However, the...

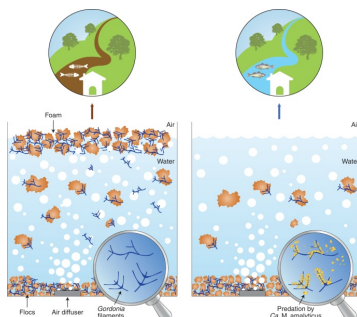
[Read more](#)
www.biorxiv.org



Microbes in Human Fetuses Spur Immune Development

Over the last decade, scientists have shown that the fetal immune system comes online much sooner than was initially thought, but what type of antigens train nascent immune cells and how this affects subsequent development remain open questions.

[Read more](#)
www.the-scientist.com



Parasitic bacteria control foam

formation

The search for bacteriophages for the biocontrol of bacteria commonly associated with wastewater foams, such as *Gordonia*, unexpectedly reveals a new parasitic ultrasmall bacterium with predatory activity against foaming microorganisms. Although...

[Read more](#)
www.nature.com



Scientists discover function of microbes living in...

Scientists from the University of Rhode Island have taken the first steps toward understanding the function of microbes that live on and in Eastern oysters, which may have implications for oyster health and the management of oyster reefs and...

[Read more](#)
www.sciencedaily.com

Member Emmett Smith featured on their local NPR station!

Read about Emmett Smith's work here "How Drones and DNA Can Drill Down to the Past"

How Drones And DNA Can Drill Down To The Past

Earlham College researchers have returned to Iceland with a variety of tech tools to help Icelanders learn more about their Nordic past. Computer scientist Charlie Peck and biologist Emmett Smith have spent a month at the end of a long peninsula...

[Read more](#)
www.wvxu.org

Theo's MDI Climb for the CURE

Theo used his 50th birthday to fundraise for cancer research (through the American Cancer Society). His goal was to raise >\$1,000 by climbing the 34 "peaks" of Acadia National Park on Mount Desert Island, ME, during the week of his birthday. That is a total elevation of 26,248 feet (just a bit under one Mt. Everest) in 7 days of hiking. He drew his inspiration for the MDI Climb for a Cure from his family members, friends, children of friends, and colleagues and their families, who are battling and surviving cancer.

We wonder if he collected soil for microbiome projects as well??!!

He raised \$2208, well done Theo!!

If you'd like to donate to his cause - visit [here](#)



Journal Club



The Inside Guide: The Gut Microbiome's Role in Host...

A few minutes from the University of Pennsylvania campus in Philadelphia sits a small peach orchard that's home to some unusual experiments. Contrary to first appearances, the subjects of the experiments are not the peach trees themselves, each...

[Read more](#)
www.the-scientist.com

Annotating Together

The Gut Microbiome's Role in Host Evolution

Bacteria that live in the digestive tracts of animals may influence the adaptive trajectories of their hosts

[Read more](#)
hyp.is



