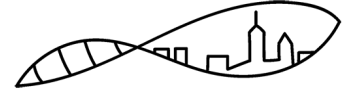


REMNet Newsletter



Jan. 2021 | Issue 11

Upcoming Events

Michigan ASM: 03/21/21

ASM Microbe: 06/03/21 - 06/07/2021

Lilly Austin: 06/03/21 - 06/05/21

AAEEBL: July 2021

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

ESA Mid-Atlantic: October 2021

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

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

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

If you have other events we can share here,

Email us: ugmicronet@gmail.com



Happy New Year from REMNet!

A new year has begun and so far so good, it's looking promising. With vaccinations around the corner and new guidelines for our campuses, we may be able to move towards a return to our campuses sooner than later.

We're planning a REMNet meeting for March and we'd like as many of you to join us as possible. **Here is our poll to see which date would work for you.** We hope to have some engaging microbiome speakers and we want to give you all some time to connect with your working groups and have time to come up with some goals and targets. Expect to hear from us! If you don't have a working group lined up here they are once more.

- Access
- Assessment
- Wet lab
- Data Analysis
- Dissemination

Upcoming REU Deadlines

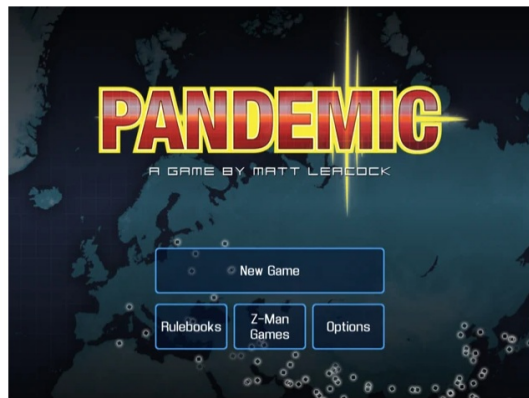
NSF BIT SURE - 02/14/21

NC State University - February 2021

ASP Summer Research Fellowship -
02/15/21

Montana State University - 02/28/21

Consider Game Based Learning For Your Students



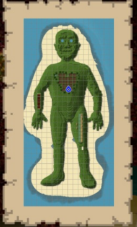
Human Microbiome MINECRAFT MAP

Your body is home to TRILLIONS of microbes that form communities in different places in and on your body. Together these communities make up your **MICROBIOME**. In this Minecraft map, you can PLAY games in some of the areas of your body where microbes live. Learn how to defend against the bad ones while protecting the good!

[Download Human Microbiome Minecraft Map](#)

The games were created by teens who participated in the Lang Science Program at the American Museum of Natural History.

Watch introductions to the games by the kids who made them.



GUTSY

The Card Game

A game about the microbes that make you... you!

[Download Cards & Instructions](#)



Microbial Life Educational Resources

Microbiology in Jeopardy

Stephen C. Wagner, Stephen F. Austin State University

This activity is part of the On the Cutting Edge Peer Reviewed Teaching Activities collection.

This material is replicated on a number of sites as part of the SERC Pedagogic Service Project

Summary

This is classroom review in the style of the gameshow "Jeopardy" for use in a microbiology course for allied health students offered at our university. The game is set up as a Power Point presentation with hyperlinks to make it progress like the real jeopardy game. Although the questions for this particular version cover metabolism and diseases of the skin and respiratory system, they can be easily modified by the instructor to apply the material to be reviewed. This game was used during a review period before a major test. Students enjoyed the competition between each other as well as the unique approach to reviewing for their exam. They also appreciated being able to review sample questions before the exam.

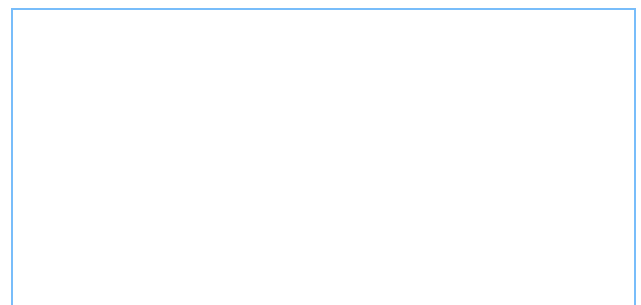
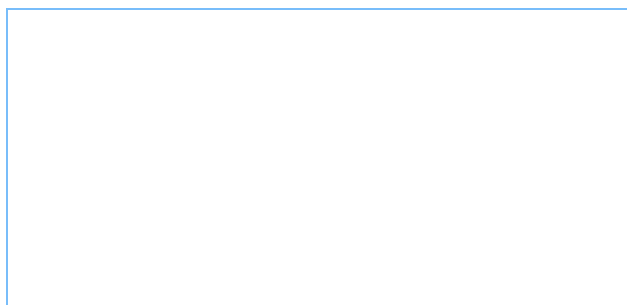
Exciting Recent Microbiome Studies and News



Turning microbiome research into a force for health

The microbiome comprises trillions of microorganisms living on and inside each of us. Historically, some researchers have guessed at its role in human health, but in the last decade or so genetic sequencing techniques have illuminated this galaxy ...

[Read more news.mit.edu](https://news.mit.edu)

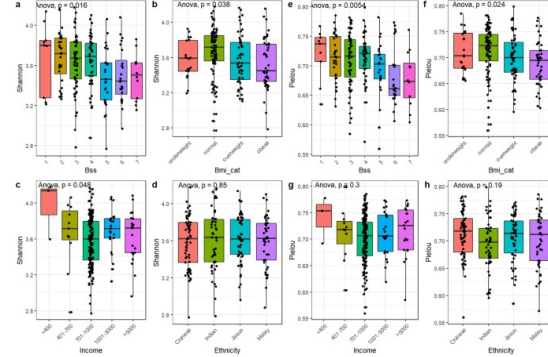


SD

Make-up of gut microbiome may influence COVID-19...

The variety and volume of bacteria in the gut, known as the microbiome, may influence the severity of COVID-19 as well as the magnitude of the immune system response to the infection, suggests research published online in the journal Gut.

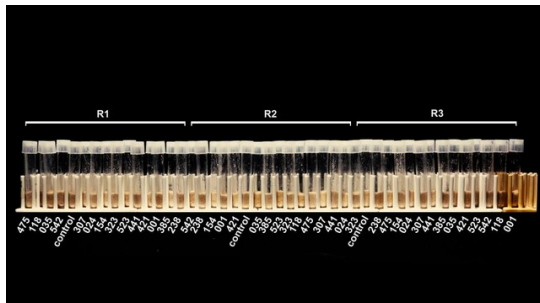
[Read more](#)
www.sciencedaily.com



Ethnicity influences the gut microbiota of individuals...

No studies have investigated the influence of ethnicity in a multi-ethnic middle-income country with a long-standing history of co-habitation. Stool samples from 214 Malaysian community members (46 Malay, 65 Chinese, 49 Indian, and 54 Jakun) were ...

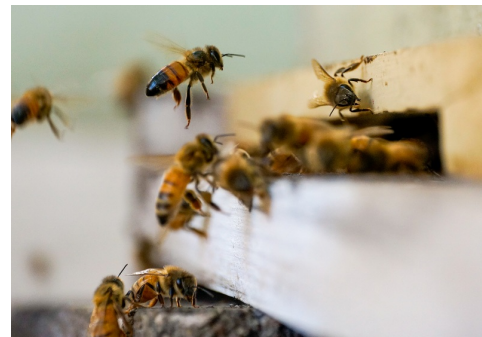
[Read more](#)
www.nature.com



The diversity and function of sourdough starter microbiomes

Ecology Microbiology and Infectious Disease Benjamin E Wolfe, Department of Biology, Tufts University, United States; Department of Ecology and Evolutionary Biology, University of Colorado, United States; Cooperative Institute for Research in...

[Read more](#)



Honeybee Microbes Shape the Colony's Social Behavior

As summer fades to fall, flowers wilt and forager honeybees scouring for nectar may find their sweet snack to be scarce. Typically, foragers continue to search around for some last drops of nectar before winter, but if a ravenous colony is...

[Read more](#)

Getting Crafty with Microbiology



Contents of the Micro@Home Kit for teaching General Microbiology safely at home!

If you are like us concerned about safety at home while learning microbiological techniques, look no further than "**Crafty Microbiology**". In this approach, craft supplies partnered with disposable lab tools can be used to teach fundamental lab skills safely at home! The three "Microbiome Mamas" developed a total of 9 exercises to teach the basic ASM microbiology laboratory skills:

- Aseptic technique and Proper personal protective equipment (PPE) removal,
- Microscopy and stains
- Streaking for single isolates, plating a lawn, and serial dilution, antibiotic resistance assays
- Inoculating media, modeling disease spread, and filtering microbes.

This is fun, innovative and accessible and we are grateful for your ingenuity!

REMNet | [[QUBES website](#)]



REMNet is supported by NSF RCN-UBE grant # 1827035