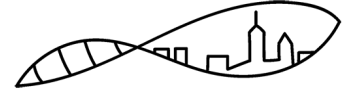# REMNet Newsletter

March 2021| Issue 13

Upcoming Events

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

World Microbe Forum: 06/20/21 - 06/24/21

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

ASMCUE: 06/29/21 - 07/01/21

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

AAEEBL: July 2021 (week of your choice)

SABER: July 2021 (Every Friday)

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

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

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

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

SENCER Summer Institute: Aug 5th - 8th

If you have other events we can share here

Email us: **ugmicronet@gmail.com**


Happy St. Patricks Day from REMNet!

REMNet would like to wish you a Happy St. Patricks Day!

On March 20th, REMNet held an online meeting for our working groups. We featured two guest speakers from ASM, Irene Hulede and Rachel Horak.
26 attendees came and we collaborated in breakout rooms according to our working groups. Lots of great ideas bubbled up and we'll be reaching out to you to ensure we keep the momentum going.

Davida Smyth (She/her/hers)
@ProfSmyth

We're getting stuff done! Working hard on a Saturday! REMNet is faculty-powered! And on a microbiome mission @REMNet_microbio @TinyEarthNet @pulseducation @ASMicrobiology @SENCERnet @SfAMtweets @qubeshub
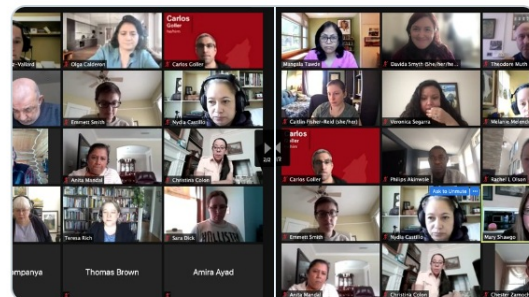
3:17 PM · Mar 20, 2021 · Twitter Web App

## Metagenomic analysis reveals the signature of gut...

Patterns of diurnal activity differ substantially between individuals, with early risers and late sleepers being examples of extreme chronotypes. Growing evidence suggests that the late chronotype significantly impacts the risk of developing mood ...

Read more
www.biorxiv.org

How our microplastic waste becomes 'hubs' for pathogens, ...

Researchers have shown that ubiquitous microplastics can become 'hubs' for antibiotic-resistant bacteria and pathogens to grow once they wash down household drains and enter wastewater treatment plants -- forming a slimy layer of buildup,
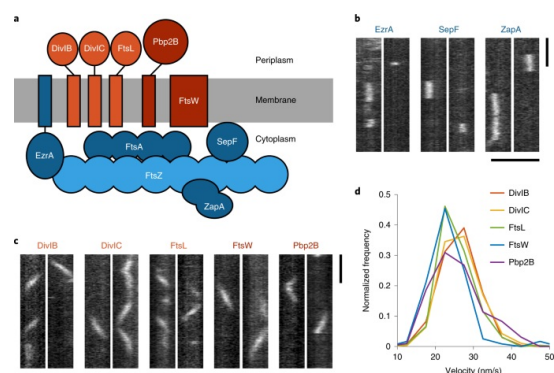
Single-molecule imaging reveals that Z-ring condensation ...
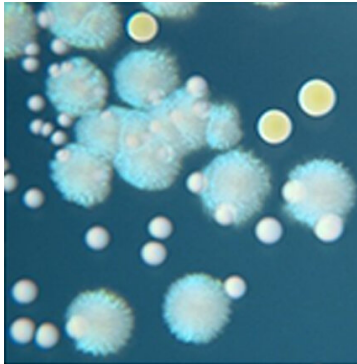
Live-cell single-molecule imaging of different Bacillus subtilis divisome proteins that interact with FtsZ (such as FtsA, EzrA, SepF and ZapA) reveals different subcomplexes with distinct motility:

or...

www.sciencedaily.com

stationary FtsZ-binding proteins that bind...

www.nature.com

New proteins may lead to the reversal of antibiotic...

Connections are crucial. Bacteria may be most dangerous when they connect-banding together to build fortress-like structures known as biofilms that afford them resistance to antibiotics. But a biomolecular scientist in Israel and a microbiologist ...

phys.org
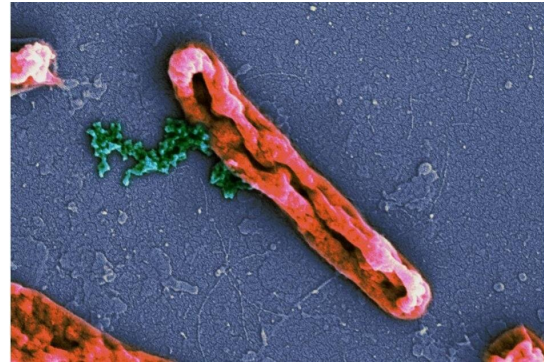
Antimicrobial peptides accelerate lipid transport in the ...

New insight into how antimicrobial peptides destroy the membrane may help in designing better drugs against multi-drug resistant bacterial infections. Now that we are in the midst of a pandemic, it is easy to forget the perhaps even greater...

phys.org

Our latest venture - An Online Journal Club

Following on interest from our March 20th meeting, REMNet is planning to start a journal club where we co-annotate papers taking inspiration from Carlos and Davida.

We'll choose a paper this time round but if you all are interested we'll start a reading circle and each of you can pick a paper that we can annotate together. Ideally we'd like to pick papers that are key in the study of microbiomes and we could build up a list of annotated resources that we can share with one another. If you're interested go ahead and sign up!

Sign up here: **hypothes.is**
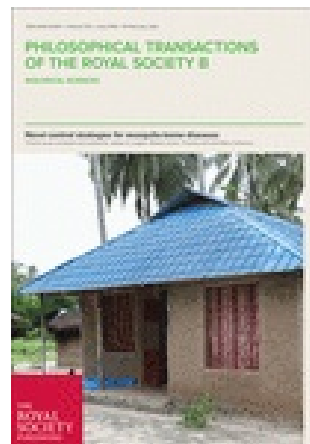
Then join our group to create and view everyone's annotations here: **https://hypothes.is/groups/2oo1Vo3q/remnet**

Go here to read their paper on how you can use Hypothes.is to co-annotate papers with your students, colleagues and friends!

Tips & Tools
DOI: https://doi.org/10.1128/jmbe.v22i1.2135

JMBE Journal of Microbiology & Biology Education

Sharing Notes Is Encouraged:
Annotating and Cocreating with Hypothes.is and Google Docs†

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Differential attraction in mosquito-human interactions...

Mosquito-borne diseases are a major cause of morbidity and mortality in human populations living in tropical and sub-tropical regions. A striking example is malaria, a disease transmitted by Anopheles mosquitoes that causes more than 400 000...

Read more
royalsocietypublishing.org