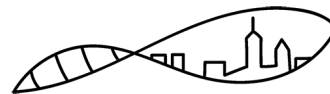


REMNet Newsletter



October 2023 | Issue 20

Upcoming Events

SACNAS: 10/26/23 - 10/28/23

Theobald Smith Society: 10/27/23

NABT: 11/02/23 - 11/05/2023

ABASM: 11/03/23 - 11/04/23

CAFPA-ASM D.C.: 11/03/23

NC-ASM: 11/04/23

INSPIRE: 11/08/23 - 12/01/23

SCBASM: 11/09/23 - 11/11/23

ISM Fall Meeting: 11/14/23

ABRCMS: 11/15/18 - 11/18/23

ICCMG: 11/16/23 - 11/17/23

ASMCUE: 11/17/23 - 11/19/23

HGSC: 12/02/23 - 12/05/23

Microbiotech'23: 12/07/23 - 12/09/23

AMR - Genomes, Big Data, and

Emerging Technologies: 03/13/24 -

03/15/24

RMBASM: 04/20/24

17th International Congress on

Toxoplasmosis: 05/26/24 - 05/30/24

EOMW: 05/28/24 - 05/31/24

SABER: 07/11/24 - 07/14/24

ESA: 08/04/24 - 08/09/24

EPAASM: Monthly



News from REMNet

Happy Fall Semester!

We're hoping you're all enjoying teaching your classes and doing your research as we head into the spooky season. As always, we're here at REMNet, ready to support and celebrate your teaching and microbiome-related research - continue sharing the good news.

We welcome the following:

1. Papers that you've published
2. Conferences you've presented at
3. Student success stories
4. Grant success stories or calls for proposals
5. Upcoming events - webinars, conferences, seminars
6. REUs of relevance to our students

We're entering our final year of funding and we're currently hosting our third webinar in collaboration with ASM. We have about 50 attendees from institutions across the country! So far, so good! We're sharing more on this below.

This past Summer, Theo and Davida headed to ASM Microbe and ESA to host in-person workshops. We are heading to ASMCUE this November to give two workshops. We'd love to see you there. Let us know if you're going to be in attendance as we might recruit you to help us with a booth.

If you have other events we can share here

Email us: ugmicronet@gmail.com

We're working hard on improving our online resources and website. Last year we started a resource related to budgeting your microbiome-related research - if you have resources to share or ideas - get in touch so we can add them [here](#).

This year Davida and Carlos are editors of a Special Topics Edition of *Frontiers in Microbiology* called "Using Case Study and Narrative Pedagogy to Guide Students Through the Process of Science". Check out the issue [here](#). The deadline for submission is November 21st. Discounts are available on a case-by-case basis with the journal.



REMNet went to Dublin, Ireland

Theo and Davida attended the Global Soil Biodiversity Conference 2023 at University College Dublin, in Dublin Ireland in March. The team held an in-person workshop which was attended by scientists, educators and researchers from all over the world and learned about ongoing projects to protect and understand soil ecosystems and diversity.

[GSB2023](#)



REMNet went to ESA

REMNet was active at the Ecological Society of America (ESA) annual meeting in Portland, OR in August 2023. We ran a Microbiomes for All! Tools for Environmental Microbiome Research and Data Analysis with Students workshop for ~30 participants. This was a great opportunity to meet new people in the ESA and the Pacific Northwest communities! Everyone seemed excited about the potential for incorporating microbiome projects into their work with students.

[ESA 2023](#)

REMNet went to ASM Microbe 2023

We held a workshop prior to this year's ASM meeting in Houston, Texas. We had a small group and worked on microbiome-related data analysis and designing issue-driven courses. Attendees included not only faculty but some graduate students and undergraduates as well. They enjoyed the meeting, and we were to explore a bit of Houston as well.

Those of us who went to the conference also got to meet the marvelous microbiologists at NASA as well as the one and only astronaut and microbiologist Kate Rubins.



News from our members

This past July, Mel Melendrez, and colleagues received funding from NSF to establish a Consortium of Biological Data Science Education (CBSE), which is targeted toward community colleges and minority-serving institutions that do not typically have the resources or infrastructure to run big data analytical modules in their classrooms, and yet computational proficiency is so important as we move into more data-driven career fields in science etc. They will be soliciting data sets that users are interested in looking at but that are not yet 'user-friendly/undergraduate friendly' to use in the classroom, and building curricula/providing training workshops. They will welcome data sets from any facet of STEM and are inclusive of genomic datasets of all types!

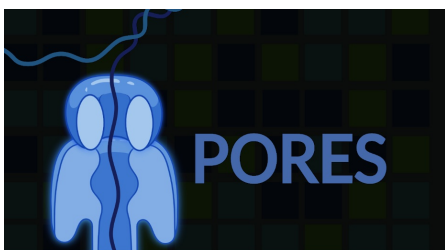


Looks perfect for you all. Contact Mel (melanie.melendrez-vallard@anokaramsey.edu) and read about the grant below

CBSE Grant

North Carolina State University

has launched an REU called BeeMORE USDA REU on microbiomes and bees. The wonderful Carlos Goller is a mentor <https://harvest.cals.ncsu.edu/beemore/>. Let your students know!

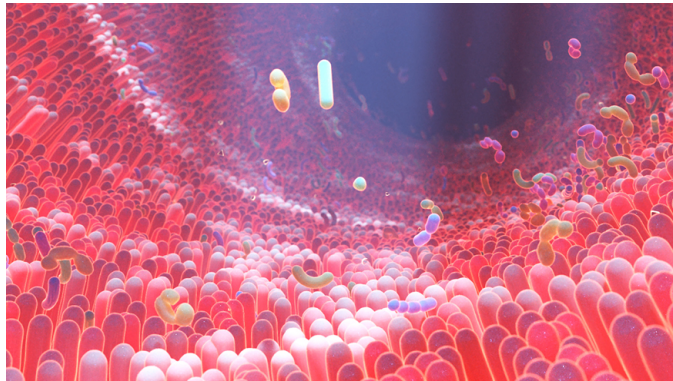


PORES @NCSU

PORES is a funded 2-week-long summer workshop for undergraduate students wanting to learn and practice sequencing and related technologies. This year's workshop was held from July 6 - July 20, 2023. If you're interested in sharing the program with your students, be sure to check their site for future

workshop information! They are planning to launch a half-semester "Portable Genome Sequencing" course that goes from plasmid sequencing to alligator

Microbiomes for All Webinar 2023

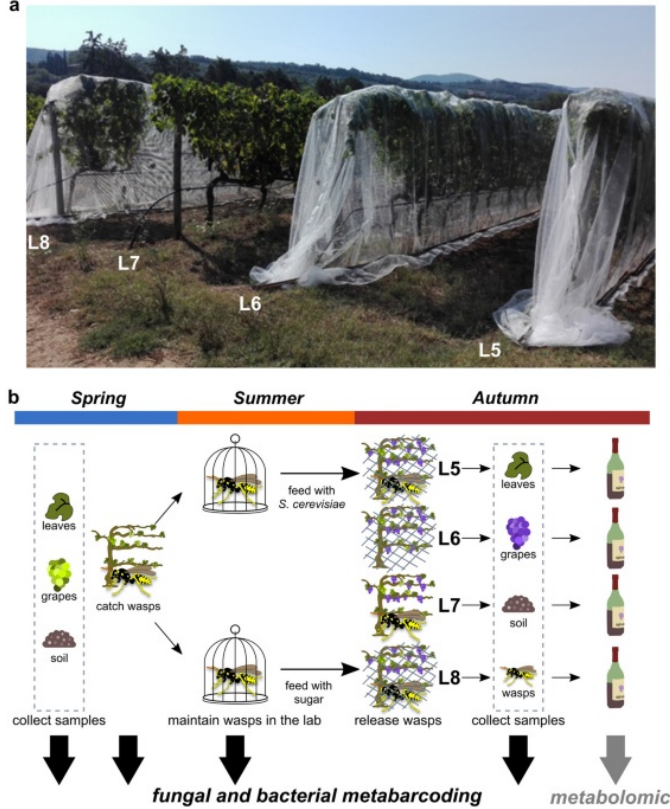


Microbiomes For All: Tools for Student Microbiome Research

Our Fall Webinar is underway, and we've welcomed a new cohort of educators to REMNet. This year, we're adding a new session on getting started with MinION - the videos will be recorded and available on the YouTube channel. If you want to review, here's last year's webinar <https://www.youtube.com/@remnetrcn>

[Read More](#)

Exciting Recent Microbiome Studies and News



Using wasps as a tool to restore a functioning vine grape mycobiota and preserve the mycobial "terroir" - Scientific Reports

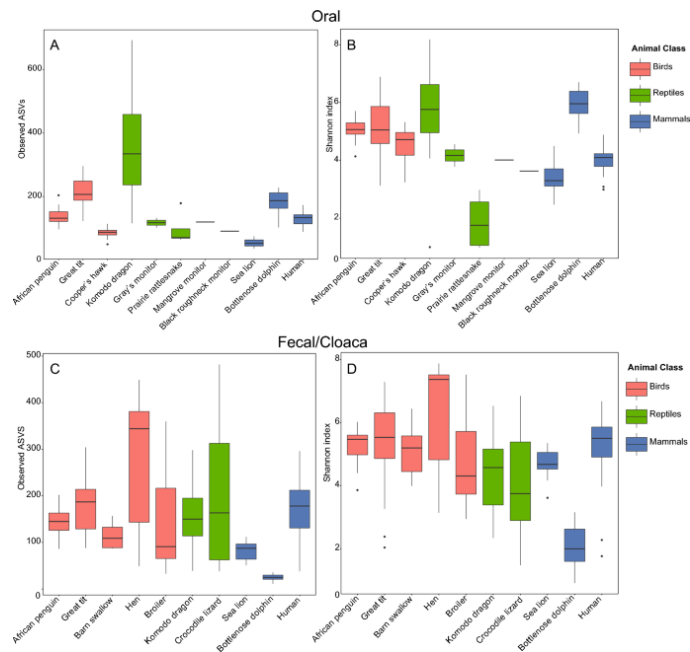
In the last one-hundred years, the exponential expansion of wine making has artificialized the agricultural landscape as well as its microbial diversity, spreading human selected *Saccharomyces cerevisiae* strains. Evidence showed that social wasps can harbor a significant fraction of the yeast phenotypic diversity of a given area of wine production, allowing different strains to overwinter and mate in their gut.

[Read More](#)



Gut microbiome of pets reveals insights for human health

Curtis Huttenhower studies the role that the microbiome plays in health and disease, most often focusing on the human gut-but recently his research has expanded into pets, including dogs and cats....



The microbiome of African penguins (*Spheniscus demersus*) under managed care resembles that of wild marine mammals and birds - Scientific Reports

Animals under managed care in zoos and aquariums are ideal surrogate study subjects for endangered species that are difficult to obtain in the wild. We compared the fecal and oral microbiomes of healthy, managed African penguins (*Spheniscus demersus*) to those of other domestic and wild vertebrate hosts to determine how host identity, diet, and environment shape the penguin microbiome.

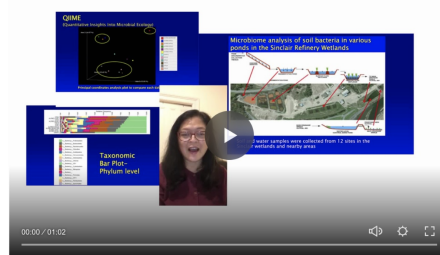
Read More



We need your help. Our online journal club needs you! We've been uploading articles and stories but welcome more. Consider using this as a classroom assignment or even sharing papers among the REMNet community that are interesting and useful.

To join the REMNet journal club, you'll need to install [hypothes.is](https://web.hypothes.is/start/) – here are the instructions – <https://web.hypothes.is/start/>

Once you've finished installing hypothes.is, to join our group go here – <https://hypothes.is/groups/2oo1Vo3q/remnet>



We need your testimonials. We love to share your stories and would like to have more short videos of what you've done and are doing with your students in your classes. Here are three stories from Christine Girtain, Alice Tarun, and Carlos Goller.

<https://www.microbiomesforall.com/resources/video-testimonials>

ASM Microbiome Resources

Microbiome Resources from ASM

ASM has a variety of resources available to support your teaching and research needs. Check this out

[ASM Resources](#)



Our website is getting more content and we're looking for content. If you have anything you can share please get in touch with us [MicrobiomesforAll](#)



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