



Quarterly Newsletter: Spring 2024



## World Health Day 2024

At Phase Genomics and in research labs around the globe, proximity ligation technology is fostering advancements in health and the environment. From [cow burps](#) to cancer diagnostics, join us in celebrating our collective efforts to drive positive changes for a healthier world this [World Health Day](#).

### Lysin-based Precision Antibiotics

We are actively developing solutions to address the growing threat of antimicrobial resistance and in the same stroke, advancing environmental health efforts with lysin discovery. By leveraging metagenomic data and AI, we can harness the evolutionary power of bacteriophages to target and eliminate harmful microbial pathogens with precision. Discover how we are turning the tables using our

antimicrobial discovery platform with support from the [Bill & Melinda Gates Foundation](#) in our recent blog.



[Read Here](#)

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## New in Precision Oncology

The [OncoTerra Platform](#) is revolutionizing genome structure analysis for oncological studies and clinical research. In recent studies, the platform accurately identified variants previously observed with standard-of-care cytogenetics and detected additional variants, significantly impacting the risk stratification of patients with acute myeloid leukemia. Read more [here »](#)

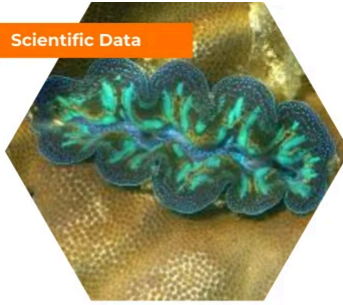
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## Research Highlights

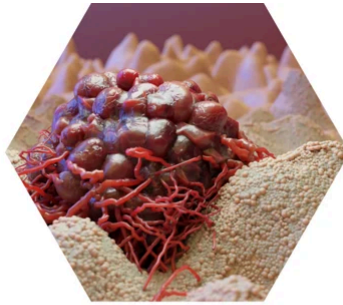


Host- plasmid network structure in wastewater is linked to antimicrobial resistance genes

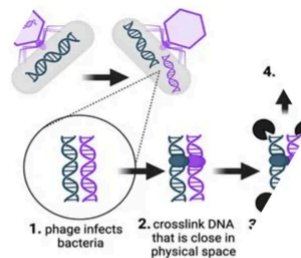
Scientific Data



Chromosome-level genome assembly and annotation of rare and endangered tropical bivalve, *Tridacna crocea*



Hi-C profiling in tissues reveals 3D chromatin-regulated breast tumor heterogeneity and tumor-specific looping-mediated biological pathways



Analysis and culturing of the prototypic crAssphage reveals a phage-plasmid lifestyle

## MORE PAPERS

### Catch us at a Conference

[American Association for Cancer Research](#) – San Diego, CA (Apr. 5-10)

[AGBT Agricultural Meeting](#) – Phoenix, AZ (Apr. 15-17)

[American Society for Microbiology](#) – Atlanta, GA (Jun. 13-17)

[International Human Microbiome Consortium Congress](#) – Rome (Jun. 22-25)

[Association for Molecular Pathology Europe](#) – Madrid (Jun. 24-26)

[Viruses of Microbes 2024](#) – Cairns (Jul. 15-19)

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## Have a project in mind?

### Contact Us

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