

**Applications Accepted October 18 - November 6, 2021**

# Virtual Southeast Asia Phage Workshop

By 2050 antimicrobial resistant (AMR) infections are expected to kill 10 million people each year – 5 times more than the global COVID-19 death toll in 2020. Almost 90% of those AMR deaths will occur in the developing world. To address this, Phages for Global Health is teaching scientists in Southeast Asia how to develop cheap, naturally occurring antibiotic alternatives – phages – that are effective against antibiotic-resistant bacteria.

**When: Five Wednesday in March 2022 (online)**

**Applicants are welcome from Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Thailand & Vietnam**



Apply through <http://www.phagesforglobalhealth.org>

## Organizers

### Coordinating NGO

- Phages for Global Health (USA)

### Teaching Faculty & Partner Institutions

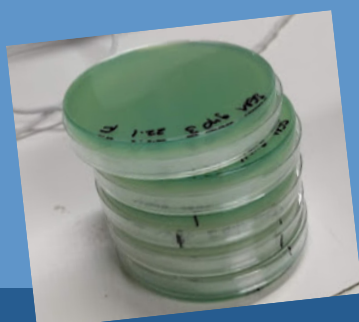
- Yale University (USA)
- University of Leicester (UK)
- University of Zurich (Switzerland)
- University of Copenhagen (Denmark)
- University of Otago (New Zealand)
- Mahidol University (Thailand)
- AIMST (Malaysia)
- Primate Research Center, Bogor Agricultural University (Indonesia)
- University of the Philippines

## What are Phages?

Bacteriophages (phages):

- Natural bacteria-killing viruses
- Exist in our environment, food, and bodies
- Target only specific bacteria, leaving helpful bacteria and human cells unharmed
- Can kill antibiotic-resistant bacteria

Phages have been a standard component of medicine in certain parts of the world for >100 years, and they are remarkably safe and effective. In addition, phages can be easily isolated from contaminated environments, and they are inherently quick and inexpensive to manufacture. All these factors make phages particularly well-suited as antibiotic alternatives against problem bacteria for potential agricultural, veterinary and medical applications.



### Workshop Goals:

- Learn essential aspects of phage biology
- Explore experimental techniques for isolating phages
- Understand antibacterial applications of phages
- Expand international network of phage scientists

Contact: [admin@phagesforglobalhealth.org](mailto:admin@phagesforglobalhealth.org)