

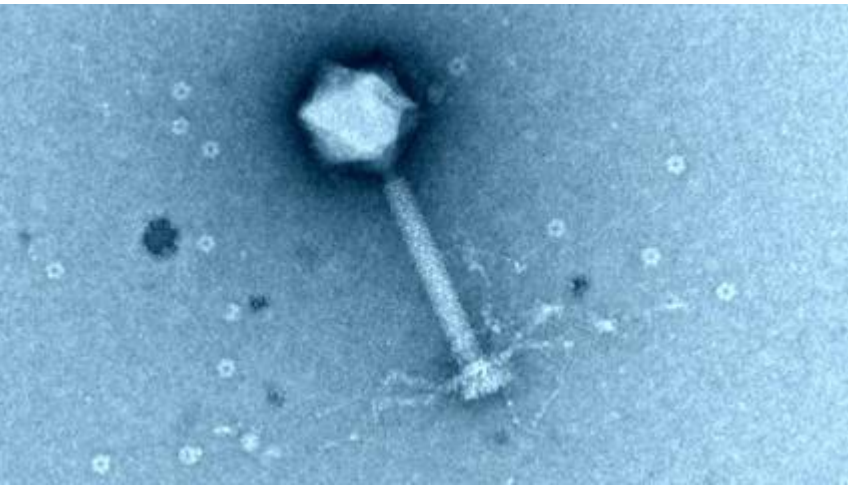
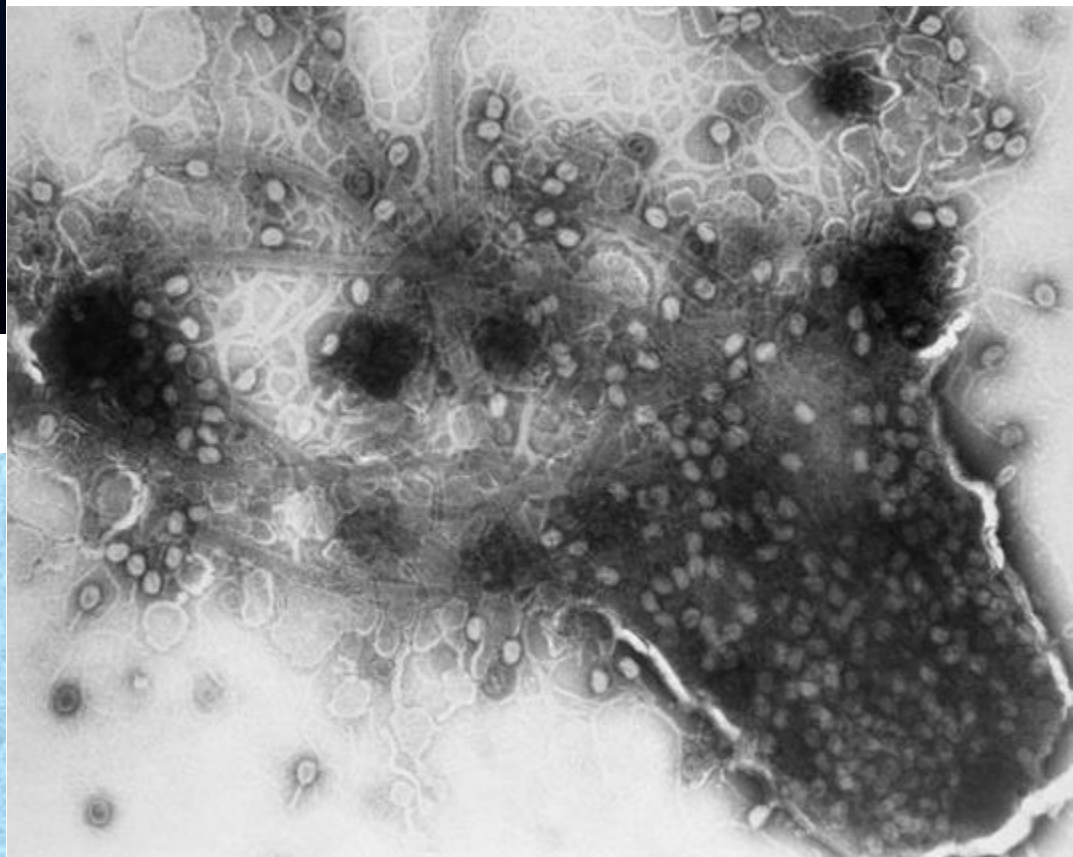
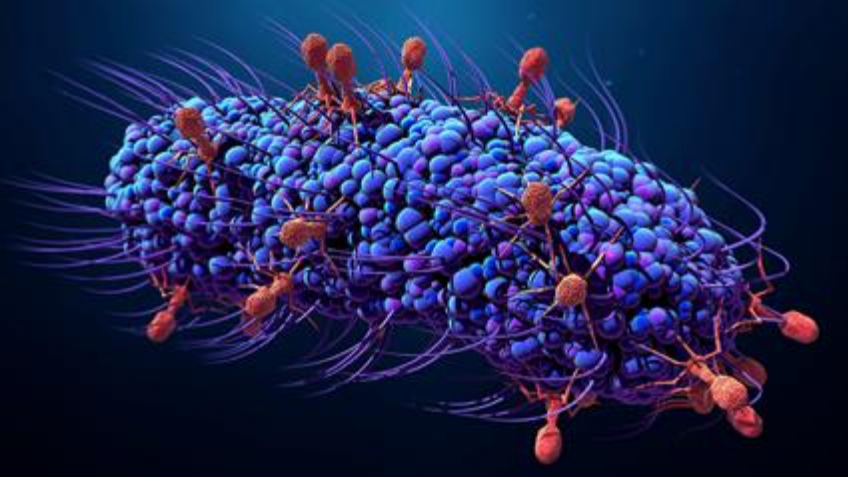


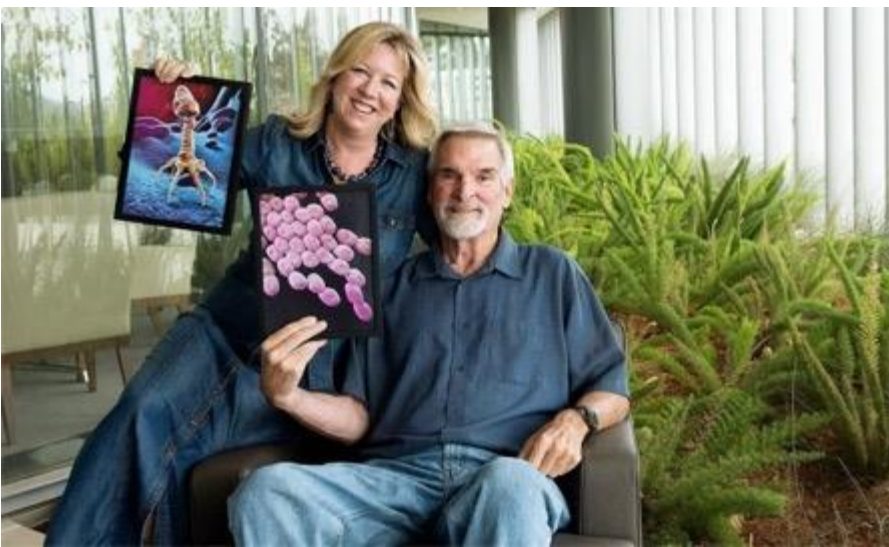
PhagePro

Phages for a Healthier World

Minmin Yen, Ph.D., MPH

**WHO GTFCC Case Management Virtual Seminar
October 1, 2020**





HUFFPOST PERSONAL

I Inhaled Viruses As A Last-Ditch Effort To Fight A Drug-Resistant Bacterial Infection

By Ella Balasa, Guest Writer

04/06/2019 01:30 pm ET

Phage therapy: 'Viral cocktail saved my daughter's life'

By James Gallagher

Health and science correspondent, BBC News

🕒 8 May 2019

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SCIENCE / FOLLOW THIS

This Scientist Used Live Viruses To Save A Woman's Life From A Superbug Infection

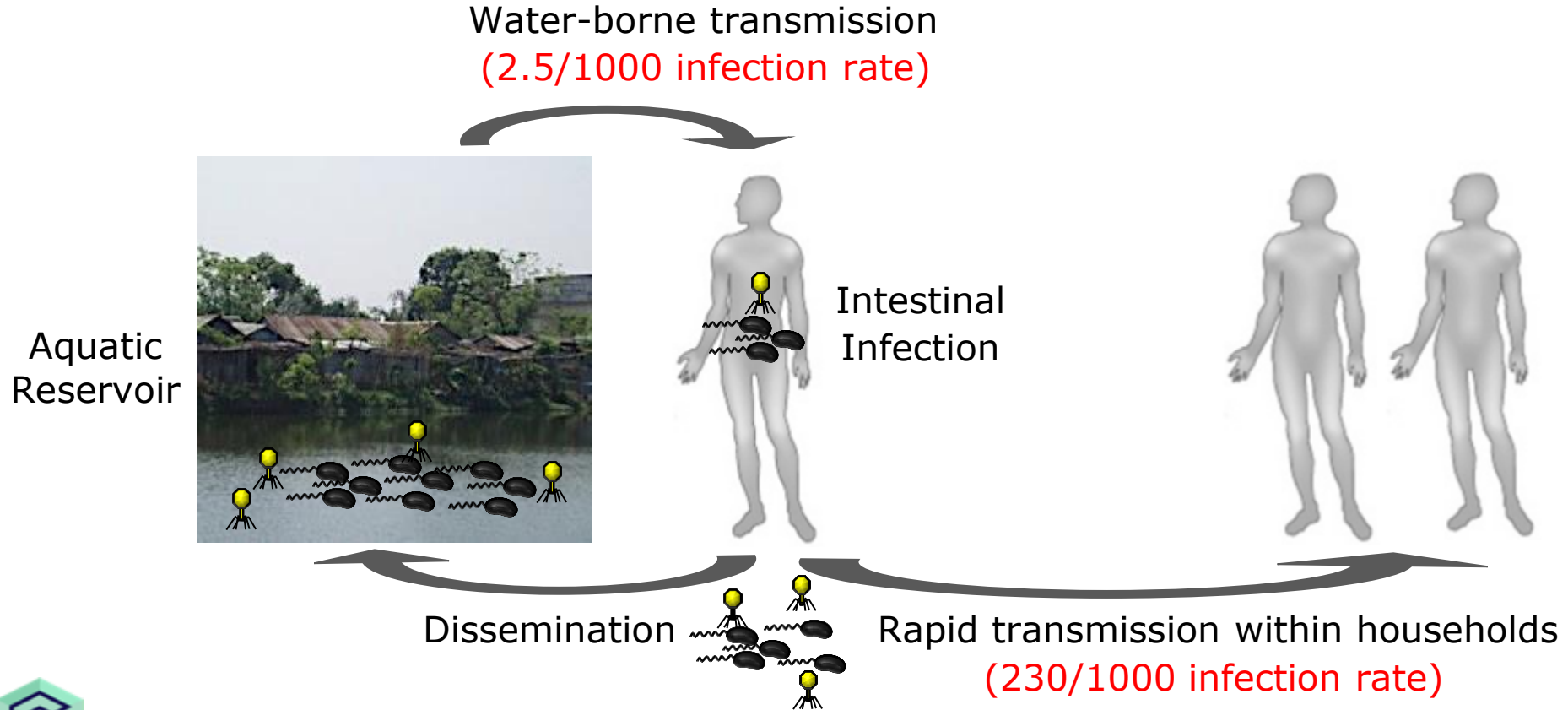
Once dismissed as fringe, phage therapy is gaining traction as a last resort when antibiotics fail. It's the subject of a new episode of the Netflix docuseries *Follow This*.



Azeen Ghorayshi

BuzzFeed News Reporter

Vibrio cholerae life cycle



Are there *V. cholerae*-specific lytic phages that are virulent within the human small intestine?

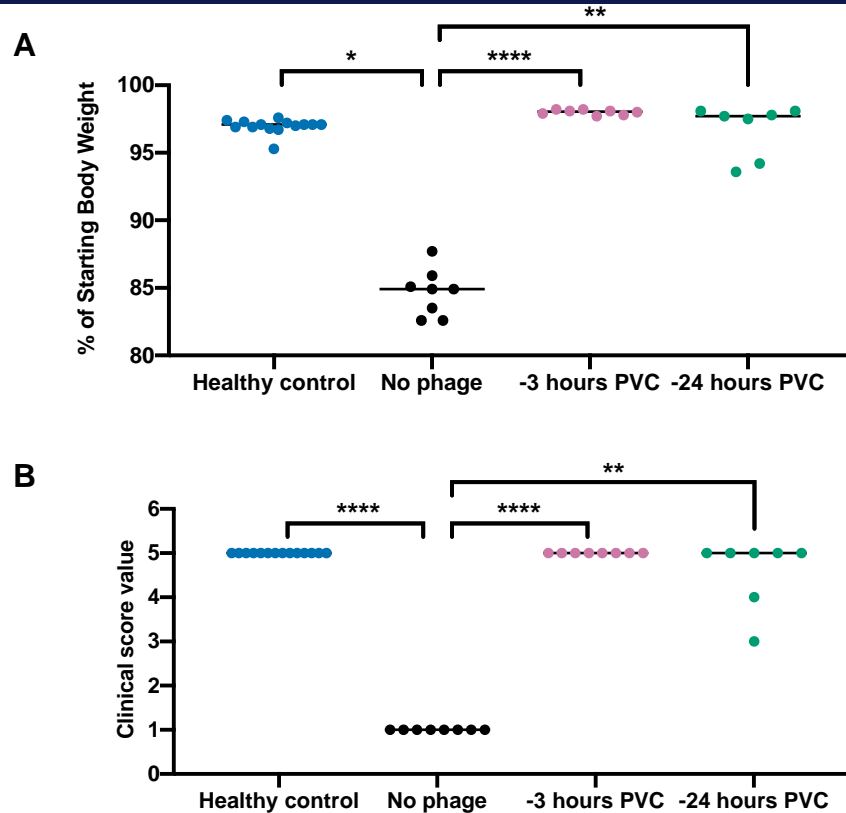
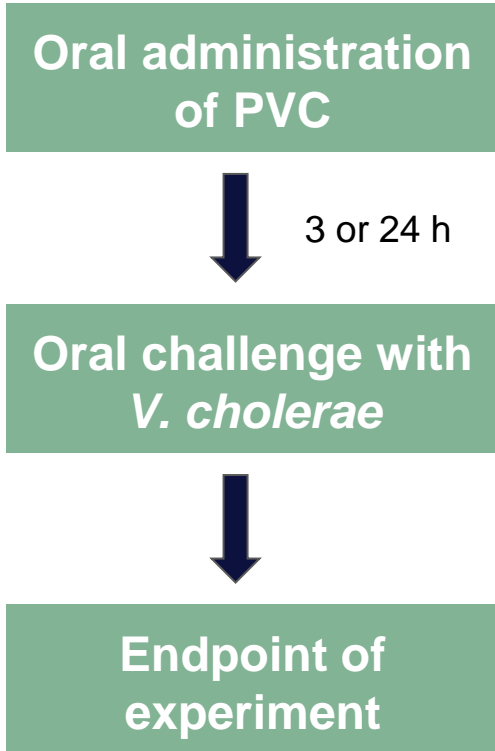


PVC can reduce the spread of cholera

- **Immediate** protection
- **Specific** for cholera bacteria – no antibiotic resistance
- **Simple**
 - Oral tablet
 - Self-administered



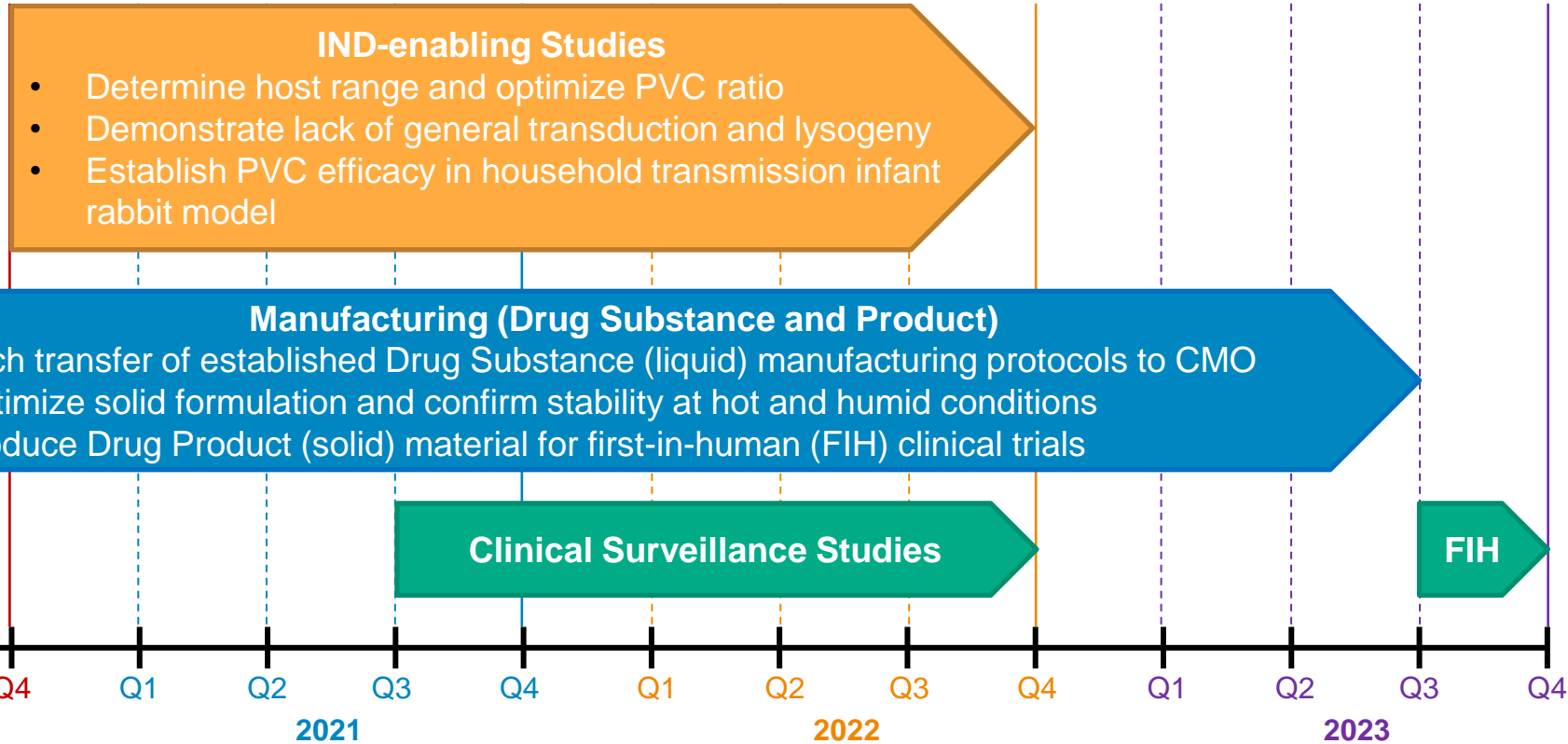
PVC is protective in rabbits



*, $p < 0.05$; **, $p < 0.005$; ****, $p < 0.0001$.



PVC Development Timeline





WHO strategy for controlling cholera

- Surveillance
- WASH
- Social mobilization
- Treatment
- Oral cholera vaccines
- Phages?

Future of PhagePro

Cholera success will be a platform to tackle more diseases using our phage treatments



Shigella

80 – 165 million cases
600,000 deaths per year



E. coli

420,000 deaths per year
30% are children under 5 years old



Who We Are



Minmin Yen, PhD, MPH
Chief Executive Officer



Andrew Camilli, PhD
Scientific Advisor



Gabrielle Grandchamp, PhD
Principal Scientist



Henri A. Termeer Tribute



BROWN



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Alice Pomponio
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John Tagliamonte, MBA
Business Development



Shawna McCallin, PhD
Clinical Trial Strategy,
Consultant



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