

# I CONTAIN MULTITUDES

## DIGITAL SERIES



**hhmi | Tangled Bank Studios**

**TANGLEDBANKSTUDIOS.ORG**



**TITLE** I CONTAIN MULTITUDES

**DURATION** 11X10 AND 9X1

**HOSTED BY** ED YONG

**WRITTEN AND DIRECTED BY**  
JON HALPERIN AND MARK MANNUCCI

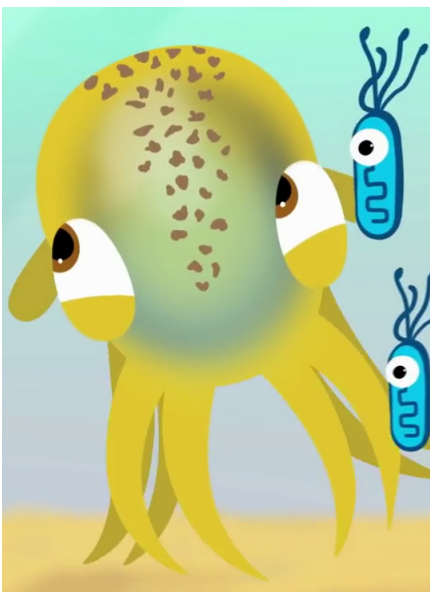
**PRODUCED BY** ELIZABETH  
WESTRATE

**PRODUCTION** HHMI TANGLED  
BANK STUDIOS AND ROOM 608

**YEAR** 2017

“Think we  
not me.”

— ED YONG



**I CONTAIN MULTITUDES** offers a new lens on life. With an eye on microbes—microscopic single-celled organisms—larger creatures such as ourselves suddenly look very different. Each of us is more of a society than an individual. Only about half the cells on our bodies are human. The rest make up a menagerie of microbes. Microbes produce chemicals and vitamins that we can’t produce on our own, they help digest food, shape development, and influence behavior.

And it’s not just a story about ourselves. Creatures from bats to termites, squid to koalas, vultures to iguanas all thrive thanks in part to an intricate and beautiful choreography with their fellow travelers, their microbes.

Our embrace of microbes, and theirs of us, is a pillar of life on Earth.

**I CONTAIN MULTITUDES**, based on the book of the same name, premiered on YouTube in Fall 2017 with new weekly episodes. Some episodes include visits to a scientist’s lab with Ed as our guide. Others show intriguing animal behavior as Ed explains the hidden microbial backstory.

In yet other videos, Ed answers viewers’ burning questions while tackling the biggest misconceptions about the microbial world.

Ed Yong, author of the New York Times bestseller “I Contain Multitudes,” has teamed up with HHMI Tangled Bank Studios for a series that explores the

strange, wondrous, and vital realm of the microscopic. Meet scientists and the microbes that captivate them. Watch fascinating animal behavior that makes sense only in light of a microbial backstory. Discover how the living world that we see is shaped by an invisible world.

With an eye on microscopic, this series reveals the big picture of what’s really driving life on Earth.

Full episodes include the following:

- *Termites Digest Wood Thanks to Microbes*
- *Superbugs that Resist Antibiotics Can Evolve in 11 Days*
- *How Giant Tube Worms Survive at Hydrothermal Vents*
- *Mosquitoes Might SAVE Lives, Thanks to Bacteria*
- *A Wasp Mom’s Gift: Blankets of Bacteria*
- *Nature’s Cutest Symbiosis: The Bobtail Squid*
- *A World Without Microbes: An Apocalyptic Thought Experiment*
- *Fecal Microbiota Transplants: The Ins and Outs of FMT*
- *Can a Fungus Save Plants from Global Warming?*
- *Microbes from Mom — Vaginal Birth vs C-Section*
- *Solving Crimes with the NECROBIOME*