

New!

The Human Microbiome

ZOO in YOU

El Microbioma Humano

Did you know trillions of microbes make their homes inside your body? In fact, these non-human organisms outnumber our human cells 10 to 1, “colonize” us right from birth, and are so interwoven into our existence that without each other, none of us would survive!

Thanks to new sophisticated technology and the cutting-edge research of the National Institutes of Health’s Human Microbiome Project, we are just starting to discover what these microbes are up to and how they affect us. And now in *Zoo in You*, a new 2,000 sq. ft. exhibit funded by a Science Education Partnership Award (SEPA) from NIH, visitors can explore this fascinating and complex world inside us that is our microbiome—a dynamic, adaptable, and delicately balanced ecosystem much like any other found in nature.

Together, we can learn about our constant microbial companions, where they live, how diverse they are, and in what ways scientists are discovering their importance to our own personal health. This bilingual (English and Spanish) exhibit has three thematic areas: Meet the Microbes, Our Complex Ecosystems, and Exploring our Microbiome.



EXHIBITS:

What’s Your Inner Life Like? Spin small colorful microbe disks to reveal the four major types of microbes (bacteria, archaea, fungi and viruses) and where they live inside you!

How Tiny Are Your Microbes? Zoom down to the microbe level and explore how much smaller our microbe companions are than our human cells.

Could You Survive Without Your Microbes? Insert puzzle pieces into a silhouette of the human body and learn about our “good” microbes.

Are You More Than Human? Watch your microbiome react to everyday occurrences in this full-body Kinects-style game.

Where Did Your Microbiome Come From? Manipulate a tilt table maze to learn how a newborn baby is first colonized by microbes.

How’s The Weather Inside Your Body? Interact with green screen technology to give a “weather report” on the climate conditions of your nose, mouth, gut or skin.

How Do Your Microbes Protect You? See if you can keep your gut microbes in balance in this touch-screen video game.

How Should You Wash Your Hands? “Wash” your hands and observe how long it takes to be free of germs.

What Would You Do? Would you donate your poop to science? Vote on various scenarios and see if most people agree or disagree with your choice.

What Do Your Microbes Look Like? Peer into a microscope and examine real preserved microbe specimens.

What Is Your DNA Puzzle? Race against the clock to see how fast you can assemble a DNA strand.

Do All Viruses Make You Sick? Build your own three-dimensional virus and see if it matches the gigantic bacteriophage virus towering nearby.

What Would You Look Like? Take a picture of you, your family and friends, all as giant microbes.

Zoo in You: The Human Microbiome

COST:

\$35,000

3-month venue plus shipping

REQUIREMENTS:

2,000 sq. ft.

Minimum doorway/hallway/elevator dimensions for carted exhibit:
4'2"W x 8'H x 8'L
Minimum ceiling height 8'
110 VAC 15 amp power
5 days estimated for installation and take-down

COMPONENTS:

13 exhibits

Including hands-on interactives, full-body group activities, audio and video components, computer-based activities, graphic panels, and text

SHIPPING:

12 Carts
Shipped in (1) 53-ft. trailer

SUPPLEMENTAL MATERIALS:

Instruction Manual
Marketing Kit
Teacher's Guide

AVAILABILITY:

Beginning June 2017
Contact OMSI's Traveling Exhibits Service at **503.797.4659**.



An Interactive Exhibit
Designed and Produced by:
Oregon Museum of Science and Industry
1945 S.E. Water Ave.
Portland, Oregon 97214
503.797.4659 • www.oms.edu

