

UBC is proud to be a host of Science Rendezvous, a national festival that takes science out of the lab and on to the street. Join us on Saturday May 7, 2022 from 10AM to 3PM for a day of hands-on, family friendly science activities!

Festival-goers of all ages will get a chance to meet world-class researchers and innovators, participate in hands-on experiments, and see amazing scientific demonstrations on UBC's Vancouver campus. See map with venues and parking below. In accordance with UBC's campus rules, masks or face coverings are required in public indoor spaces.

# Events and Hands-On Science

## **Pacific Museum of Earth**

Get hands on with a table of touchable fossils. There will also be tours of the new Hominin Hall and guided tours of the new Walk Through Time exhibit at 11:00, 1:00 and 3:00. Location: Pacific Museum of Earth

## **Beaty Biodiversity Museum**

Visit Canada's largest blue whale skeleton. The Museum is running its regular daily [programming schedule](#) and is open by donation.

- Location: Beaty Biodiversity Museum

## **Fun with Robots**

UBC Geering Up Engineering Outreach is on a mission to provide youth with the opportunity to investigate engineering, science and technology in a fun, educational and safe environment.

- Location: Earth Sciences Building lobby throughout the day

## **Make an Air Vortex Cannon**

Make an air vortex cannon with UBC Let's Talk Science. Learn basic concepts about air and advanced concepts in fluid dynamics.

- Location: Beaty Biodiversity Museum courtyard throughout the day

- 

## Liquid Nitrogen Ice Cream with UBC Chemistry

Time	Show	Room
11:00	Fun with Materials	Chemistry B150
11:30	Fun with Fuels	Chemistry B250
Noon	Fun with Green Chemistry	Chemistry B150
12:30	Liquid Nitrogen Ice Cream	Between Chemistry B and D wings
1:00	Fun with Fuels	Chemistry B150
1:30	Fun with Green Chemistry	Chemistry B250

- Location: Chemistry B Block

## Math Mania

Interactive demonstrations, puzzles, games art and mathematical paradoxes that make math and computer science concepts fun. Math Mania welcomes all age levels, but is particularly suited to students in Grades 2 to 5.

- Locations: Interactive stations at all venues throughout the day

## **Holographic Systems and VR**

UBC HiVE offers demonstrations with Hololens 2 (a holographic system) and Oculus Quest 2 (a virtual reality system).

- Location: Earth Sciences Building Main Floor

## **LEGO Bricks, Paper Circuits and Oscilloscopes**

Build a chart of nuclides using LEGO, draw paper circuits to light-up LEDs, and learn how programmable sensor data can be displayed with an oscilloscope. Travel virtually into the heart of UBC-based TRIUMF, and the world's largest cyclotron of its kind.

- Location: Earth Sciences Building, Room 1012

## **Magic and Mazes with UBC CS**

Explore data representation and structures presented as puzzles, games and challenges! UBC Computer Science and the Vancouver Independent School for Science and Technology illuminate the science of computing without touching a keyboard.

- Location: Outside the Beaty Museum throughout the day

## **Play with Microscopes**

Come to the lab and play with microscopes and discover the beauty of pond biodiversity!

- Location: Michael Smith Building, Room 102 throughout the day

## **Create Your Own Gut**

Make a piece of art with Microbiology and Immunology that lets you "create your own gut" by decorating it with specific microbes based on your lifestyle.

- Location: Outside the Beaty Museum throughout the day

# Science Talks

**10:00am**

## **BC Children's Hospital Research Institute Social Exposome Cluster**

The Social Exposome Research Cluster aims to understand the biological mechanisms by which social factors get 'under the skin' to influence health. Join us for fun-filled STEM demonstrations, interactive activities and the premiere screening of a video showing how early life factors influence future health outcomes.

- Location: Michael Smith Building, Room 101

## **Microbes and Human Health**

The Tropini lab investigates the connection between gut microbes and human health, common factors that impact bacteria in our gut, and how these changes may contribute to digestive disorders.

- Location: Earth Sciences Building, Room 1013

## **3D Coral Project**

- Location: Earth Sciences Building, Room 1012

**11:00am**

## **How Birds Move**

How birds use visual motion to maneuver, feed and avoid collisions in flight.

- Location: Michael Smith Building, Room 102

## **Food Nutrition - What's Good to Eat**

Eating a wide variety of nutrient-rich foods is one way to support health. But it's not just about what you put on your plate. Get the big picture on how stress and anxiety

impact diet using real life experiences and current research projects from the Cohen Lab at UBC.

- Location: Earth Sciences Building, Room 1013

### **Get the Projects You Want in Grad School**

Graduate student Mitch Albert on how he created a path for himself to work on great projects ranging from hip implants to airplanes. Dig into the science behind the projects.

- Location: Earth Sciences Building, Room 1012

## **Noon**

### **Higgs @ 10**

Ten years after the discovery of the Higgs boson, the elusive subatomic particle, researchers at the world's largest science experiment are gearing up for next-generation searches. Join TRIUMF physicists to explore the Large Hadron Collider, the ATLAS detection experiment, and Canada's role on the frontier of physics.

- Location: Earth Sciences Building, Room 1013

### **Race to Immunity**

Learn the steps in designing, producing and distributing your own vaccine in a pandemic. Beat another team in a dramatic race against time!

- Location: Location: Michael Smith Building, Room 101

## **1:00pm**

### **Three Minute Thesis Finalists**

- Location: Michael Smith Building, Room 102

### **Wild Mushrooms: Careful What You Eat**

- Location: Earth Sciences Building, Room 1013

## **Bird Feathers and Improving Flight Performance**

- Location: Earth Sciences Building, Room 1012

**2:00pm**

## **BC Children's Hospital Research Institute Social Exposome Cluster**

The Social Exposome Research Cluster aims to understand the biological mechanisms by which social factors get 'under the skin' to influence health. Join us for fun-filled STEM demonstrations, interactive activities and the premiere screening of a video showing how early life factors influence future health outcomes.

- Location: Michael Smith Building, Room 101

## **Dark Extinction**

A talk on the recent and future extinction of species. Are there species that have become recently extinct without being scientifically recorded, and perhaps leaving no physical trace?

- Location: Earth Sciences Building, Room 1013

## **What Electron Microscopy Teaches Us About the World**

- Location: Earth Sciences Building, Room 1012

# Venues

The locations are close together. Museums are open by donation. In accordance with UBC's campus rules, masks or face coverings are required in public indoor spaces.

