

MICHIGAN STATE UNIVERSITY

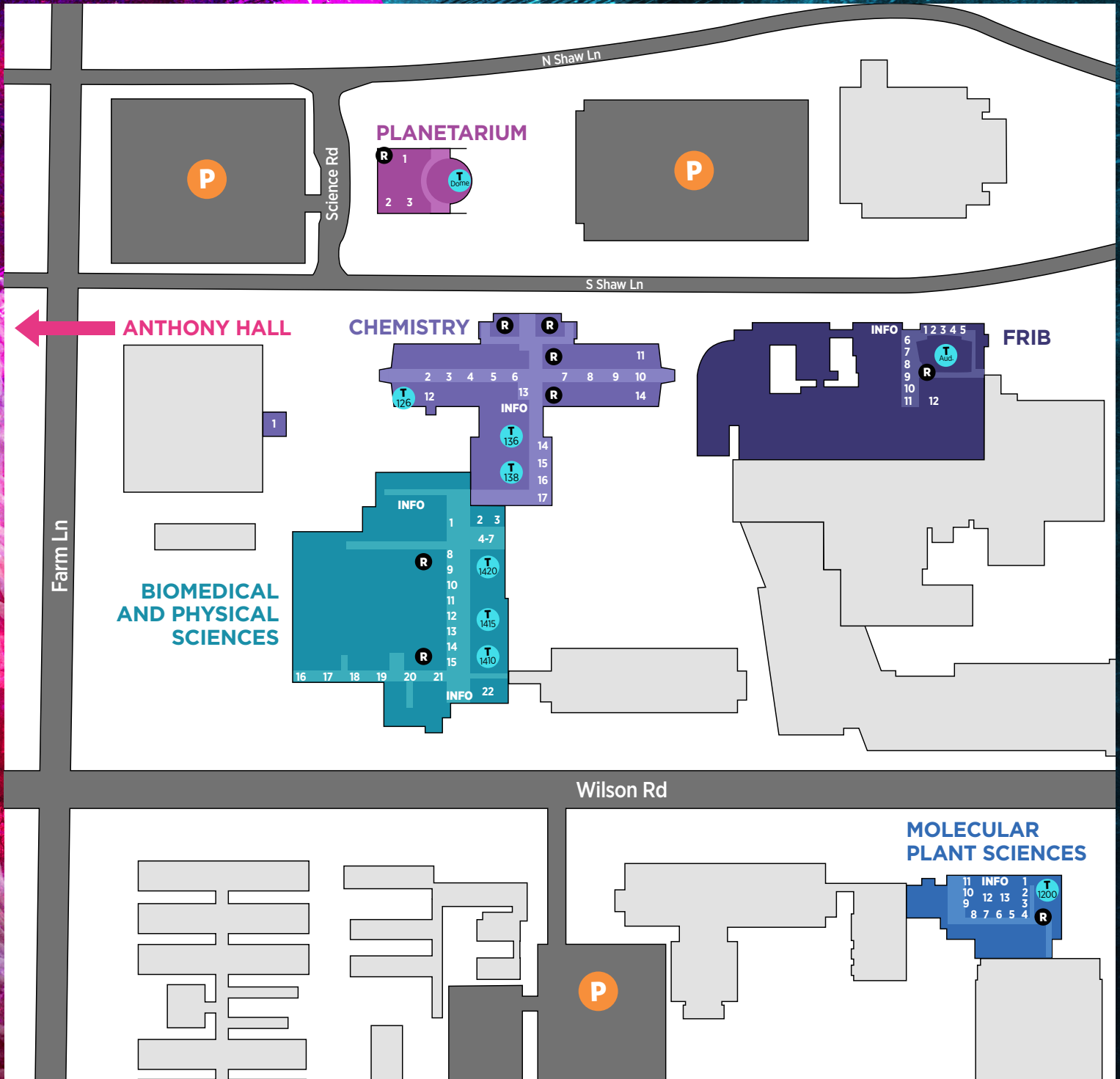
# SCIENCE FESTIVAL

# EXPO DAY

Saturday, April 4 | 10 am - 4 pm

ALL EVENTS FREE

APRIL 1-30, 2020



[sciencefestival.msu.edu](http://sciencefestival.msu.edu)



### PLANETARIUM

1. The Invisible: Don't Just See It, Play With It!
2. Physics and Astronomy Experiments with WAMPS
3. Everything Falls



### CHEMISTRY

1. The Clean Water Process  
*(outside west entrance of chemistry Farrell Hall loading dock)*
2. Social Determinants of Dementia: Does Marriage Matter?
3. A Plant is a Community: The Hidden World of Plant Microbiomes
4. Where Does Our Drinking Water Come From? A Window into Its Origins
5. How Much Water is 'Hidden' in Your Everyday Life?
6. Why Do Scientists Use Frogs to Study Development?
7. Are You the Next Olympic Athlete? Measuring Motor Skill in Health and Disease
8. Chemistry of the Human Senses
9. Groundwater Adventure
10. How Do Plants Defend Themselves?
11. Instrument Petting Zoo (Rm 110)
12. CIGLR/NOAA Great Lakes Research: HOMES is Where the Heart Is! (Rm 127)
13. Native Bee Houses by Bailey Bee Team
14. Science Theatre: Hands on Demonstrations (Rm 109)
15. Amazing Animal Adaptations
16. Bacterial Migration Under the Microscope
17. Make Your Own Pulsar!

### BIOMEDICAL AND PHYSICAL SCIENCES

1. Check out STEM @ CADL
2. Microscopic Wonders of the Human Body (Rm 1425)
3. Michigan Snakes Alive (Rm 1425)
4. See Light and Microscopic Pond Life
5. Vermicomposting with IQHub and the MiSTEM Network
6. Astronaut Toolds
7. Art & Science Intersections
8. Computational Science: Robots, Supercomputers, and Virtual Reality, Oh My!
9. MSU Campus Archaeology Program
10. How Supercomputers Work
11. Evolution in Action
12. Why Study Spotted Hyenas?
13. The Magical Invisible Microbial World
14. Particle Astrophysics with IceCube and HAWC
15. Invisible Quantum World
16. Molecules and Properties Unseen!
17. Birds, Poo, and You!
18. What's a Watershed? Rain, Drains, and Surface Water Quality
19. The Buzz on Bees
20. Weird Water: A Study of Different Densities
21. Laser Tweezers: Reach Out and Grab Bacteria
22. Nursing 101: Health Promotion, Skills, Assessment, and Simulation (Rm 1400)

### FRIB

1. A Smashing Time with Nuclei
2. A Crash Course in Accelerators
3. Make Rare Isotopes from the Comfort of Your Couch

4. Open-Source 3D Printing
5. Materials for the Body
6. What Do You Know About Water & Health?
7. Exploring Human Ancestors
8. Polymers in Modern Lives
9. Reveal the Science of Materials
10. Science Gallery Detroit Pop-Up Exhibition
11. Dancing, Tangles, and Rational Numbers
12. Muscial Explorations (Rm 1309)

### MOLECULAR PLANT SCIENCES

1. Hunt Like a Hawk!
2. Michigan Audubon "Egg"straganza
3. All the Light You Can and Cannot See
4. AH NUTS! The Things We Get From Trees
5. Color Your Cabbage Leaf!
6. Space: It's Out of This World!
7. Fish Under the Microscope
8. Create Your Own pH Rainbow!
9. Plants & People: Tasty Tidbits for a Better World
10. Gigantris!
11. Mega-Operation!
12. Rain Cloud Groundwater Simulator
13. Magic Wands

### ANTHONY HALL (Rm 1281) Special Performances

Science! The Musical  
12:30 - 1:00 pm

Coding to the Moon: Margaret Hamilton and the Apollo Missions  
2:30 - 3:30 pm  
4:30 - 5:30 pm

**T** Talk, Demonstration and Performance events  
*complete schedule on the website and in the program booklet*

**P** Parking

**R** Restrooms

# VISUALIZING THE INVISIBLE

sciencefestival.msu.edu