



**Important:** We are happy to see you in Small Hall, but please keep in mind that you are visiting operating research facilities. Please do not touch any research equipment. Children must be supervised at all times.

Activity/Event	Time	Location
Undergraduate Research Poster Session	10-11:30am	Library
Liquid Nitrogen Ice Cream	10am-4pm	Main Lobby
Retro Physics: Interactive Displays	10am-4pm	First Floor Corridor
Physics Playroom	10am-4pm	Room 122
Daylight Astronomy (weather permitting)	10am-4pm	Lawn Outside Small Hall
Outdoor Physics and Oobleck Pool	10am-4pm	Lawn Outside Small Hall
Interactive Demo Shows	10:30am-4pm (see schedule below)	Room 110
Research Laboratory Visits	12am-2pm	Basement and First Floor
Public Lectures (30 mins each)	11am-2:30pm (see schedule below)	Room 111
Small Hall Makerspace Open House	12-4pm	Room 143
"Laser" Maze Obstacle Course	12-4pm	Second Floor Corridor

- Hands-on Interactive Displays
- Hovercraft
  - How things (used to) work: TV, radio, CD/DVD, microwave
  - Old and new communication devices
  - Historical music recording
  - Evolution of atomic model
  - Transistors vs vacuum tubes
  - Robots
  - Chemical Clocks and Lava lamps
  - Gravity Well
  - Ghost Bubbles

- Participating Researchers
- Photon Spectroscopy  
Mumtaz Qazilbash, Room 024
  - Quantum Optics and Atomic Physics  
Irina Novikova, Room 065
  - Ultra-Cold Atoms and BEC  
Seth Aubin, Room 067
  - Hyperpolarized Gases for Nuclear Physics  
Todd Averett, Room 163
  - Theory of Artificial Materials  
Enrico Rossi, Room 160

### Public Lectures and Demo Show Schedule

Time	Small 111
11:00 am	Patricia Vahle: <i>Neutrino mass and oscillations</i>
12:00 pm	Marc Sher: <i>Nobel Inspired Lecture: Precision cosmology and exoplanets</i>
1:00 pm	Dana Lashley: <i>The History of Drug Development</i>
2:00 pm	Keith Griffioen: <i>Music to Your Ears</i>

Time	Small 110
10:30am	Chemistry Demo Show!
11:30am	Physics Demo Show!
12:30pm	Physics Demo Show!
1:30pm	Chemistry Demo Show!
2:30pm	Physics Demo Show!
3:15pm	Physics Demo Show!

*Parking may be harder than usual due to Homecoming activities on Campus, but there are often some spaces available in the parking garage and parking lots on Ukrop Drive—they are open to the public!*