



Welcome to Berkeley Lab

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Welcome to Berkeley Lab!

- On behalf of your on-site hosts, we are glad you are here today!
- Please feel free to ask me (Rebecca), Seleste, Helen, Charles, Rollin, or Dan any Berkeley-specific questions
 - We can also help with NERSC account support & general support













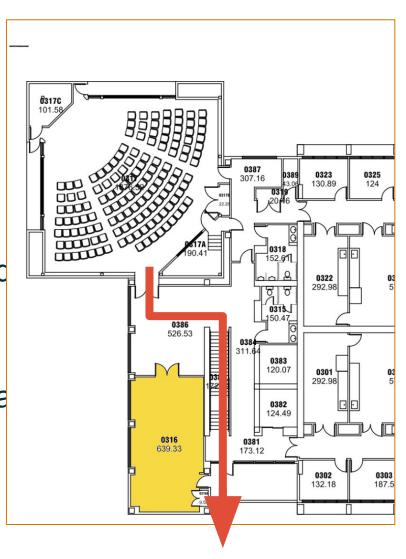
Safety & Logistics

- Fire safety
- Seismic safety
- Restrooms
- Recycling

Fire Safety

In the event of a fire:

- Horn/strobes will activate.
- Evacuate immediately through the auditorium exits, downstairs and through the front door.
- If possible without delaying your evacuation, take personal belongings such as your wallet, keys and coat. You may not be able to return.
- Follow instructions of Building Emergency Team members who will direct you to the Assembly Area between Buildings 66 and 62 (where the buses dropped you off)
- An additional Assembly Area is located behind the building.



Seismic Safety

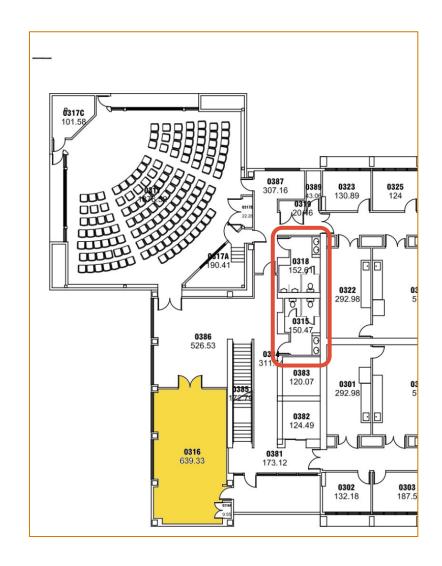


In the event of an earthquake, please:

- Drop, Cover, and Hold On to something solid until the shaking stops.
- If there is nothing to duck under, take shelter next to a solid wall, or squat down in place, and cover your head with your arms.
- If in the NERSC machine room, move away from the computer racks, but stay within the blue "moat".
- Once shaking has stopped, evacuate as just described.

Restrooms

- Restrooms are outside the door to the Auditorium.
- Restrooms in other buildings are clearly marked.



Recycling

Sustainable Berkeley Lab (sbl.lbl.gov) requests we sort trash into:

- Compostable
- Paper
- Landfill
- Other recycling

Please help us minimize waste going to the landfill by correctly disposing of food, beverage, and other waste.

Learn more at https://sbl.lbl.gov/wasteguide/



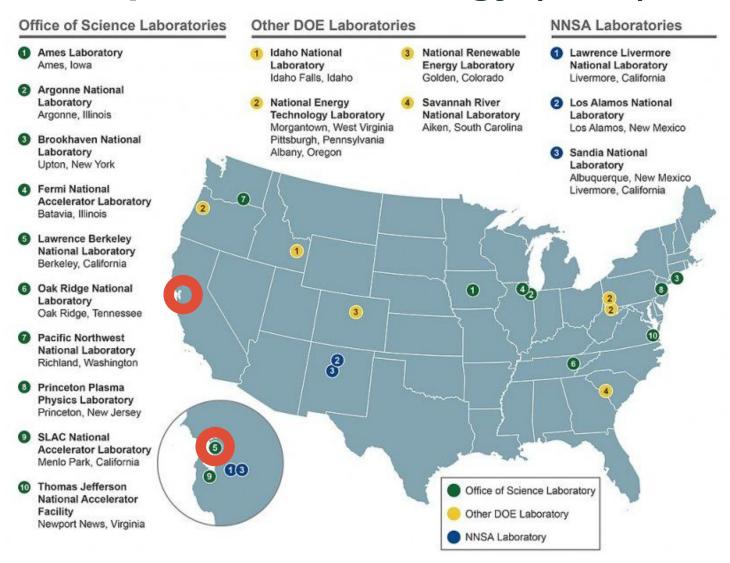


Intro to National Labs

(with a focus on Berkeley Lab)



17 Department of Energy (DOE) National Laboratories



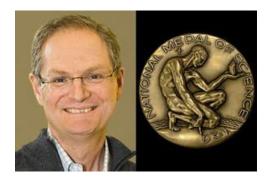
Mission: to ensure America's security & **prosperity** by addressing its energy, environmental & nuclear challenges through transformative science and technology solutions.

Why National Laboratories?

- Discovery science
- Scientific solutions addressing national challenges, especially energy
- Unique scientific capabilities
 - User facilities
- Managed, large research teams
- Important technologies with long, risky R&D paths
- A diverse group of highly trained, creative, & committed scientists & engineers.







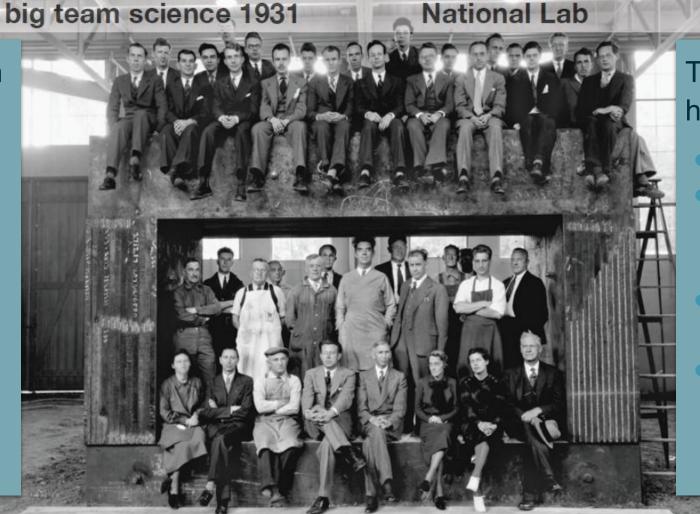


Berkeley Lab Transforms Science

Lawrence introduces

Radiation Lab staff on the magnet yoke for the 60-inch cyclotron, 1939, including:

- E. O. Lawrence
- Edwin McMillan
- Glenn Seaborg
- Luis Alvarez
- J. RobertOppenheimer
- Robert R. Wilson



LBNL the first

Today, Berkeley Lab has:

- ~4000 employees
- >14,000 researchers using our facilities
- >\$1B annual budget
- 16 associatedNobel prizes

Berkeley Lab Hosts 5 Major Scientific User Facilities





BERKELEY LAB







Welcome to Berkeley Lab | BERKELEY LAB

NERSC: The Most Widely Used Facility in DOE

- 9,000+ users, 1,000+ projects
 - Users from all 50 states + international
 - 25% new users every year; 50% of users < 3 years
- 2,000+ publications/year
- Celebrating 50 years in 2024!



Computing Sciences Area: 2 Facilities, 2 Research Divisions

- NERSC is the primary scientific computing facility for the Office of Science in the U.S. Department of Energy
- **ESnet** provides the high-bandwidth, reliable connections that link scientists at national laboratories, universities and other research institutions
- Applied Mathematics and Computational Research Division conducts research and development in mathematical modeling and simulation, algorithm design, computer system architecture, and high-performance software implementation
- Scientific Data Division transforms data-driven discovery and understanding through the development and application of novel data science methods, technologies, and infrastructures with scientific partners

Berkeley Lab Welcomes You!

More Berkeley Lab dignitaries & staff will welcome you this week, including

- Michael Witherell, Director of Berkeley Lab
- Carol Burns, Deputy Director for Research
- Jonathan Carter, Associate Lab Director, Computing Sciences Area
- Sudip Dosanjh, NERSC Division Director
- Stefan Wild, Applied Mathematics & Computational Research Division Director
- Lavanya Ramakrishnan, Scientific Data Division (Acting) Director
- Richard Gerber, NERSC HPC Department Head