

FLEXLAB®

The world's most advanced integrated building and grid technologies testbed



FLEXLAB, Improving IAQ

Over the past few years, **FLEXLAB** has seen an increase in Indoor Air Quality (IAQ) research. With kids back in school, people returning to work, and outdoor air quality varying with increased wildfires, IAQ will continue to be important. FLEXLAB has become the testing ground for a number of IAQ research studies, including the two highlighted in the articles below. Other current work also includes testing energy-efficient retrofit packages that improve IAQ in K-12 schools (highlighted in our **Fall 2022 newsletter**). This work supports the **Efficient and Healthy Schools Campaign**, a program that provides technical assistance and recognition for schools that are planning and implementing this work, with an emphasis on serving schools in disadvantaged communities.

[Learn More!](#)

Latest FLEXLAB News & Updates

Special Visit: GO-Biz

Representatives from the **Governor's Office of Business and Economic Development (GO-Biz)** and the **California Energy Commission (CEC)** recently toured FLEXLAB as part of their visit to Lawrence Berkeley National Laboratory (Berkeley Lab). GO-Biz serves as California's leader for job growth, economic development, and business assistance, while CEC serves as the state's primary energy policy and planning agency, leading the state to a clean energy future. FLEXLAB Executive Director, Cindy Regnier, led a tour following a



series of presentations and discussions designed to help the agencies understand the vitality of the innovation coming out of the Lab and the potential for California to capture economic growth and utilize Lab resources (like FLEXLAB) to help companies grow. The visit also provided **Cyclotron Road** and **Activate** fellows with access and contacts within the state agencies to help identify incentives and support opportunities to grow.

[See more photos](#)

HVAC Influence of Airborne Contaminants Distribution

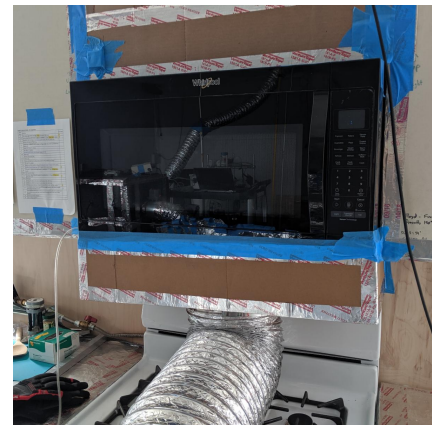
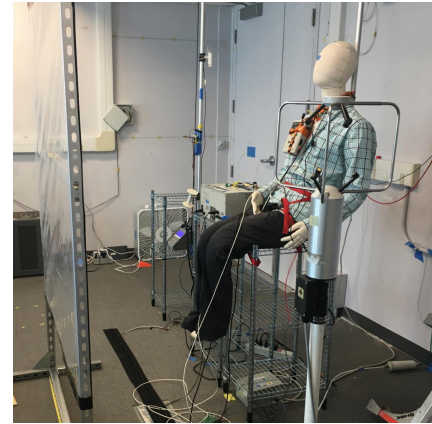
During the COVID-19 pandemic, guidance to reduce risk of exposure included maintaining distances from other people and improving indoor ventilation rates. However questions remain on the effectiveness of this strategy under the influence of different conditions, including HVAC system distribution and controls. A group of Berkeley Lab researchers conducted a series of experiments in FLEXLAB to evaluate the influence of overhead HVAC distribution, heating, and cooling controls on exposure to airborne contaminants emitted by people in meeting and classroom settings.

[Learn more](#)

Airflow and Capture Efficiency of Over-the-Range Microwave Exhaust Fans

Across the state (and beyond) people have used over-the-range microwaves (OTRs) that include exhaust fans to conserve space or create a sleeker design in their homes. Until recently, the capture efficiency of these OTRs has been unknown. To determine whether the OTRs would also meet code requirements, researchers from our **Indoor Environment** and **Residential Building Systems** groups evaluated several OTR models and compared them to conventional range hoods at similar cost that met industry standards and California's building code requirements.

[Learn more](#)



Photos © The Regents of the University of California, Lawrence Berkeley National Laboratory.

ICYMI

(In case you missed it...)

[FLEXAB Animation](#)

[FLEXLAB](#)

[FLEXLAB Video](#)

[FLEXLAB](#)

To learn how FLEXLAB[®] can work for you
Contact **Cindy Regnier**
Visit flexlab.lbl.gov

Cynthia Regnier, Executive Director

Mary Ann Piette, Acting Associate Laboratory Director, Energy Technologies Area

Jessica Granderson, Acting Division Director, Building Technology & Urban Systems



Energy Technologies Area, Berkeley Lab | LBNL, 1 Cyclotron Road, Berkeley, CA 94720

[Unsubscribe elbertiglia@lbl.gov](mailto:elbertiglia@lbl.gov)

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by cmregnier@lbl.gov powered by



Try email marketing for free today!