



Livermore Lab
FOUNDATION

The Power of Science

Founded in 2016, the **Livermore Lab Foundation** (LLF) is a 501(c)(3) nonprofit and strategic philanthropic partner to Lawrence Livermore National Laboratory (LLNL), a U.S. Department of Energy facility in Livermore, California. The Foundation leverages both philanthropic investments and public-private partnerships to support the Lab's world-class research and scientific accomplishments. In addition, LLF **'opens the door'** to innovative STEM programs and educational opportunities – with a goal of inspiring the next generation of leaders to pursue science in the national interest.

Inspiring Future STEM Leaders

The Foundation supports diverse Science, Technology, Engineering, and Math (STEM) learning opportunities at LLNL, providing access to Lab facilities and mentors, as well as direct financial assistance, and introducing students to the excitement of a career in STEM. Programs include:

FELLOWSHIP & INTERNSHIP OPPORTUNITIES

Through academic, community, and professional partnerships, LLF supports various research and fellowship opportunities for students at many levels (undergraduates through post-docs), designed to support research-related equipment, conferences, travel, living expenses, and related costs not typically covered by LLNL. These valuable awards allow more time for research, studies, and ultimate success in scientific careers, and provide access to both LLNL facilities and esteemed mentors. Special focus is on students from diverse and underrepresented populations in STEM fields. Donor supported/named fellowships and internships are available.

HONORING STUDENT RESEARCH

The Foundation also works closely with LLNL's summer college internship programs to recognize innovative student research and the top presenters via the annual Student Poster Symposium. This important validation often serves as a precursor for talented students to continue their pursuits.

This opportunity was truly life changing. The work that goes on at the Lab is the kind that you can feel proud of. The knowledge and connections I have acquired through my time here will stick with me for the rest of my life.

—Avery Kempton, former LLF Fellow, now at UC Berkeley



Advancing Research Innovation

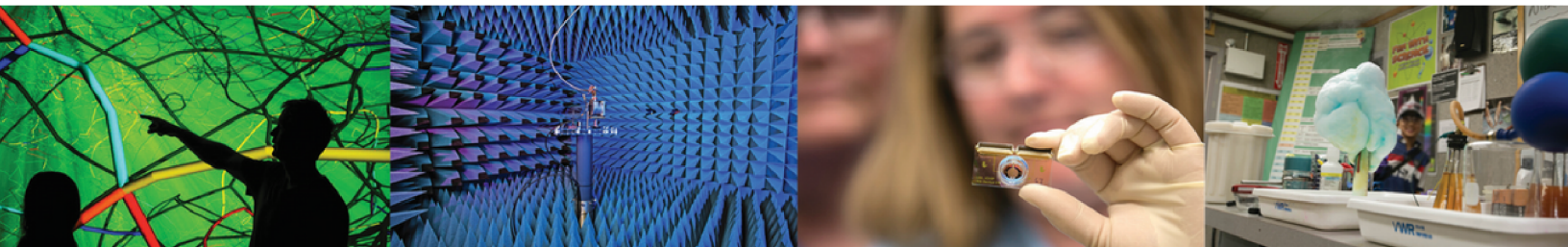
The Foundation enables philanthropic, grantmaking, and foundation support for LLNL's game-changing science, innovative research and technological accomplishments that are addressing a myriad of societal challenges. Current LLNL-LLF collaborations include:

NEURODEGENERATIVE AND CRITICAL DISEASE

LLF partners with LLNL's computing, bioengineering, and biosciences core competencies to accelerate collective efforts to diagnose, understand, and treat neurodegenerative diseases like Amyotrophic Lateral Sclerosis (ALS), Alzheimer's, Multiple Sclerosis, and Parkinson's. We've seeded nearly \$1-million in early-stage research projects focused on biomarker identification, multimodal data analytics, disease mechanisms, genetic influences, and therapeutic interventions. LLF's early investments in ALS-related projects have yielded important insights into the many neurological diseases affecting a growing portion of our aging population.

CLIMATE RESILIENCY OUTREACH AND RESEARCH

The Foundation works closely with LLNL's Carbon Initiative on outreach and education related to California's 2045 carbon neutrality goals. Based on the Lab's seminal 2020 report, *Getting to Neutral*, the Foundation launched the Carbon Cleanup Initiative, a public service project for communities to better understand climate goals, natural and technological carbon management solutions, and local opportunities. In addition, LLF has developed and implemented experiential classroom lessons for high school students in several communities statewide. These lessons follow Next Generation Science Standards (NGSS) and have been well-received by science educators.



Supporting Science Solutions

The Lab's unique resources and multi-disciplinary capabilities underpin high-impact research and discovery that's occurring in a variety of scientific and engineering fields. This expertise is addressing some of society's greatest challenges and most pressing issues. Private partnerships, philanthropic investors and grantmaking foundations can make a significant difference. Help us change the future by harnessing the power and promise of science. Visit our website or contact us for more information.

 925.453.9382  livermorelabfoundation.org  info@livermorelabfoundation.org

