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(Original Signature of Member)

109TH CONGRESS
2D SESSION

# H. RES. _____

Recognizing Lawrence Berkeley National Laboratory as one of the world's premier science and research institutions.

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IN THE HOUSE OF REPRESENTATIVES

Mr. EHLERS (for himself and Mr. HONDA) submitted the following resolution; which was referred to the Committee on _____

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# RESOLUTION

Recognizing Lawrence Berkeley National Laboratory as one of the world's premier science and research institutions.

Whereas Lawrence Berkeley National Laboratory was founded on August 26, 1931, by Ernest Orlando Lawrence, winner of the 1939 Nobel Prize in physics for his invention of the cyclotron, a circular particle accelerator that opened the door to modern high-energy physics;

Whereas Lawrence's belief that scientific research is best done through teams of individuals with different fields of expertise left a legacy that has yielded rich dividends for the Nation in basic knowledge and applied technology;

Whereas this distinguished legacy of accomplishment includes 10 Nobel Laureates associated with Berkeley Lab, and a dozen Berkeley Lab scientists who have won the National Medal of Science;

Whereas today Berkeley Lab conducts research across a wide range of scientific disciplines with key efforts in fundamental studies of the universe, quantitative biology, nanoscience, new energy systems, environmental solutions, and the use of integrated computing as a tool for discovery;

Whereas Berkeley Lab scientists discovered the revolutionary new truth of the accelerating expansion of the universe, are pioneering the promising new scientific field of synthetic biology, and are harnessing the secrets of the genome to help solve the world's grand challenges;

Whereas through these accomplishments and others, including finding the antiproton, advancing energy efficiency and conservation technologies, deciphering the photosynthetic process, pioneering the field of nuclear medicine, and spearheading the development of alternative energy sources, Berkeley Lab scientists have played a critical role in advancing the United States world leadership in fundamental and applied sciences;

Whereas Berkeley Lab's national scientific user facilities provide the highest level of scientific, engineering, and technical support to thousands of scientists each year whose published works continue to consistently enrich their respective research fields;

Whereas Berkeley Lab's newest user facility, the Molecular Foundry, opened its doors March 24, 2006, for the design, synthesis, and characterization of nanoscale mate-

rials, opening the door to unimagined scientific and technological advancements;

Whereas the Advanced Light Source is a national user facility that generates intense light for scientific and technological research which among other accomplishments has helped to reveal how bacteria resist antibiotics, how inexpensive and efficient solar cells can be fabricated, and how strange substances like quasicrystals possess properties never before seen;

Whereas the National Center for Electron Microscopy houses several of the world's most advanced microscopes and tools for microcharacterization, such as the One-Angstrom Microscope and the Spin Polarized Low-Energy Electron Microscope, that allow scientists to gain a basic scientific understanding of new, energy-efficient materials, as well as analyze the behavior of materials such as magnets, superconductors, ceramics, and high-temperature alloys; and

Whereas the National Energy Research Scientific Computing Center (NERSC) is the flagship scientific computing facility for the Department of Energy's Office of Science, and is one of the largest facilities in the world devoted to providing computational resources and expertise for basic scientific research: Now, therefore, be it

*Resolved,* That the House of Representatives—

(1) recognizes the outstanding and unique role that the Lawrence Berkeley National Laboratory has played over the past 75 years in the scientific and technological advancement of our Nation and of the world;

(2) praises the Lawrence Berkeley National Laboratory on the great flexibility and foresight it has had in moving from one of the Nation's original prominent physics laboratories to a highly diversified scientific laboratory of world prominence in a variety of fields, including synthetic biology, research in advanced energy technologies, leadership in scientific computing, and world famous expertise in materials science;

(3) congratulates the dedicated employees at Lawrence Berkeley National Laboratory past and present who have worked to make the institution one of the greatest research resources in the world; and

(4) encourages the laboratory to continue its leadership in pushing the scientific frontiers as we work to address unprecedented challenges whose solutions are grounded in science and technology.