

## Nobel Prizes and Berkeley National Laboratory

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Lawrence Berkeley National Laboratory is recognized as one of the world's leading research laboratories. sixteen elements of the periodic table were introduced to the world by the scientists of this laboratory. Scientists from this renowned laboratory have won 14 Nobel Prizes. The presence of interested and dynamic scientists, professors, and students in this laboratory and its multilateral support are very worthy of reflection and modeling. Focusing and investing in various fields of basic sciences, such as physics, chemistry, biology, mathematics, and some fundamental fields, such as the genome of materials, and creating links and connections between these fields is a smart step that Berkeley Lab has successfully taken with the development of departments from all scientific fields. The precise, long-term, and network-oriented strategy has made this laboratory known as a reference and global actor for the production of science and the expansion of the frontiers of knowledge. The Laboratory's commitment to open science means that research results are shared widely and contribute significantly to the advancement of global science. The establishment of national laboratories in the position of basic sciences is of key importance for the advancement of original science and technology at the national and international levels, and modeling such a strategy and modeling it according to the ecosystem of science and knowledge in Iran is an inevitable necessity.

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