

ORNL's mission is to conduct basic and applied research that provides innovative solutions to complex problems.

A History of Great Science

Oak Ridge National Laboratory is the Department of Energy's largest science and energy laboratory. Managed since April 2000 by a partnership of the University of Tennessee and Battelle, ORNL was established in 1943 as a part of the secret Manhattan Project to pioneer a method for producing and separating plutonium.

During the 1950s and 1960s, ORNL was an international center for the study of nuclear energy and related research in the physical and life sciences. The creation of the Department of Energy in the 1970s led to an expansion of ORNL's research program into areas of energy production, transmission, and conservation. By the turn of the century, the laboratory supported the nation with a peacetime mission that was just as important, but very different, from the days of the Manhattan Project.



ORNL is located in Oak Ridge, Tennessee.



Laboratory Director

Jeff Wadsworth became ORNL's director on August 1, 2003. An internationally recognized metallurgist, he was previously a senior executive at Battelle Memorial Institute in Columbus, Ohio, where he focused on Department of Energy science programs, technology transfer, and homeland security. Before joining Battelle in August 2002, he served as deputy director for science and technology at Lawrence Livermore National Laboratory. From 1980 to 1992, he worked for Lockheed Missiles and Space Company at the Palo Alto Research Laboratory. He holds B.S., Ph.D., and D.Met. degrees in metallurgy from Sheffield University in England. In 2003, he was elected a Fellow of the American Association for the Advancement of Science for

“distinguished contributions in developing advanced materials and superplasticity, and in determining the history and origins of Damascus and other steels, and for broad scientific leadership supporting national security.”

The Lab at a Glance

ORNL has a staff of more than 3,800 and approximately 3,000 guest researchers who spend two weeks or longer each year in Oak Ridge. ORNL funding for FY 2003 exceeded \$1 billion for the first time. UT-Battelle provides more than \$1.25 million annually in support of math and science education, economic development and other projects in the greater Oak Ridge region.

Supporting the Department of Energy's Mission

ORNL is an international leader in a range of scientific areas that support the Department of Energy's mission in the Office of Science. The laboratory's six major scientific competencies include neutron science, energy, high performance computing, complex biological systems, advanced materials and national security.

A Campus for the Next Generation of Research

ORNL is in the midst of a \$300M plan to provide a modern campus for the next generation of great science. A unique combination of federal, state and private funds is building eleven new facilities. Included in these new facilities will be the Functional Genomics Center, the Center for Nanophase Materials Science, the Advance Materials Characterization Laboratory, and the Joint Institute for Computational Science.

The World's Largest Civilian Science Project

On budget and on schedule for completion in 2006, the \$1.4 billion Spallation Neutron Source will make Oak Ridge the world's foremost center for neutron science research.

Point of Contact:

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