

DOE Human Genome Task Group

Member	Specialty
Chair: Aristides Patrinos	Physical sciences
Benjamin J. Barnhart	Genetics, Radiation biology
Elbert Branscomb	Scientific Director, Joint Genome Institute
Daniel W. Drell	Biology, ELSI, Informatics, Microbial genome
Ludwig Feinendegen	Medicine, Radiation biology
Marvin Frazier	Molecular and cellular biology
Gerald Goldstein[†]	Physical science, Instrumentation
D. Jay Grimes[†]	Microbiology
Roland Hirsch	Structural biology, Instrumentation
Arthur Katz[*]	Physical sciences
Anna Palmisano^{*†}	Microbiology, Microbial genome
Michael Riches	Physical sciences
Jay Snoddy[†]	Molecular biology, Informatics
Marvin Stodolsky	Molecular biology, Biophysics
David G. Thomassen	Cell and molecular biology
John C. Wooley	Computational biology

*Joined, 1997.

[†]Left OBER, 1997.

Biotechnology Consortium

Chair: Aristides Patrinos	DOE Office of Biological and Environmental Research
Charles Arntzen[*]	Cornell University
Elbert Branscomb	Lawrence Livermore National Laboratory
Charles Cantor	Boston University
Anthony Carrano	Lawrence Livermore National Laboratory
Thomas Caskey	Merck Research Laboratories
David Eisenberg	University of California, Los Angeles
Chris Fields[†]	National Center for Genome Resources
David Galas	Darwin Molecular, Inc.
Raymond Gesteland	University of Utah
Keith Hodgson	Stanford University
Leroy Hood	University of Washington, Seattle
David Kingsbury[†]	Chiron Pharmaceuticals
Robert Moyzis[†]	University of California, Irvine
Mohandas Narla[*]	Lawrence Berkeley National Laboratory
Michael Palazzolo	Amgen, Inc.
Melvin Simon[*]	California Institute of Technology
Hamilton Smith[*]	Johns Hopkins University School of Medicine
Lloyd Smith	University of Wisconsin, Madison
Lisa Stubbs	Lawrence Livermore National Laboratory
Edward Uberbacher[*]	Oak Ridge National Laboratory
Marc Van Montagu[*]	Ghent University, Belgium
Executive Officer:	Lawrence Berkeley National Laboratory
Sylvia Spengler	

*Appointed after October 1996.

[†]Resigned, 1997.

Note: All members of the DOE Human Genome Task Group are ex-officio members of the Biotechnology Consortium.

for genetic research was through AEC. In the early days of nuclear energy development, the focus was on radiation effects and broadened later under ERDA and DOE to include health implications of all energy technologies and their by-products.

Today, extensive OBER-sponsored research programs on genomic structure, maintenance, damage, and repair continue at the national laboratories and universities. These and other OBER efforts support a DOE shift toward a preventive approach to health, environment, and safety concerns. World-class scientists in top facilities working on leading-edge problems spawn the knowledge to revolutionize the technology, drive the future, and add value to the U.S.

economy. Major OBER research includes characterization of DNA repair genes and improvement of methodologies and resources for quantifying and characterizing genetic polymorphisms and their relationship to genetic susceptibilities.

To carry out its national research and development obligations, OBER conducts the following activities:

- Sponsors peer-reviewed research and development projects at universities, in the private sector, and at DOE national laboratories (see box, p. 59).
- Considers novel, beneficial initiatives with input from the scientific community and governmental sectors.
- Provides expertise to various governmental working groups.
- Supports the capabilities of multi-disciplinary DOE national laboratories and their unique user facilities for the nation's benefit (p. 61).

Human Genome Program resources and technologies are focused on sequencing the human genome and related informatics and supportive infrastructure (see chart and tables, p. 62). The genomes of selected microorganisms are analyzed under the separate Microbial Genome Program.

