

## Office of Energy Research

### **Notice 96-08**

#### *Human Genome Program - Technological Advances*

DEPARTMENT OF ENERGY  
OFFICE OF ENERGY RESEARCH

Energy Research Financial Assistance Program Notice 96-08: Human Genome Program -  
Technological Advances

AGENCY: U.S. Department of Energy (DOE)

ACTION: Notice inviting grant applications

**SUMMARY:** The Office of Health and Environmental Research (OHER) of the Office of Energy Research (ER), U.S. Department of Energy, hereby announces its interest in receiving grant applications in support of the DOE Human Genome Program (HGP). This program is a coordinated, multidisciplinary, goal-oriented research effort to obtain a detailed understanding of the human genome at the molecular level. The objective of this notice is to promote substantive improvements in high-throughput, integrated approaches to large-scale human genome sequencing and its analysis. The solicited topics are: (1) supportive instrumentation and automation systems; (2) assembly of multi-megabase scale, ordered and sequence-ready DNA clones; (3) informatics for the rapid assembly, analysis, and annotation of data from high-throughput sequencing; and (4) informatics for facile submission, retrieval, and visualization of data for single or multiple related databases, specifically including the Genome Data Base and the Genome Sequence Data Base. Applicants must address clearly how the proposed work will help achieve the sequencing goals of the HGP. Collaborative, multidisciplinary efforts are specifically encouraged.

**DATES:** Potential applicants are strongly encouraged to submit a brief preapplication. All preapplications, referencing Program Notice 96-08, should be received by DOE by 4:30 P.M. E.S.T., March 28, 1996. A response discussing the potential program relevance of a formal application generally will be communicated to the applicant within 30 days of receipt. The deadline for receipt of formal applications submitted in response to this notice must be received by 4:30 p.m., E.D.T., July 11, 1996, in order to be accepted for merit review in September 1996 and to permit timely consideration for awards in fiscal year 1997.

**ADDRESSES:** All preapplications, referencing Program Notice 96-08, should be sent to Ms. Joanne Corcoran, U.S. Department of Energy, Office of Health and Environmental Research, ER-72, 19901 Germantown Road, Germantown, MD 20874- 1290.

After receiving notification from DOE concerning successful preapplications, applicants may prepare formal applications and send them to: U.S. Department of Energy, Office of Energy Research, Grants and Contracts Division, ER-64, 19901 Germantown Road, Germantown, MD 20874-1290, ATTN: Program Notice 96-08. The above address for formal applications also must be used when submitting formal applications by U.S. Postal Service Express Mail, any commercial mail delivery service, or when handcarried by the applicant.

FOR FURTHER INFORMATION CONTACT: Dr. Gerald Goldstein, if referencing topic (1); Dr. Marvin Stodolsky, if referencing topic (2); and Dr. Jay Snoddy, if referencing topics (3) or (4) at the U.S. Department of Energy, Office of Health and Environmental Research, ER-72, 19901 Germantown Road, Germantown, MD 20874-1290, by telephone (301) 903-6488, by facsimile (301) 903-8521, or preferably by E-mail, joanne.corcoran@oer.doe.gov. General HGP information can also be obtained on the World Wide Web (WWW) Internet browsers at: [http://www.er.doe.gov/production/oher/hug\\_top.html](http://www.er.doe.gov/production/oher/hug_top.html), [http://www.ornl.gov/techresources/human\\_genome/home.html](http://www.ornl.gov/techresources/human_genome/home.html), and sites linked to these WWW pages. The 5-year goals of the U.S. HGP are published in the journal, Science, volume 262, pages 43-46.

SUPPLEMENTARY INFORMATION: The brief preapplication, in accordance with 10 CFR 600.10(d)(2), should consist of two to three pages of narrative describing the research objectives and methods of accomplishment. The preapplications will be reviewed for relevance to the notice, and further instructions will be provided with the response. Preapplications determined by staff of the Office of Health and Environmental Research to be insufficiently directed at the goals of this notice will be returned without further review to the applicant. Telephone and FAX numbers are required parts of the preapplication, and electronic mail addresses are desirable.

It is anticipated that approximately \$2,000,000 will be available for grant awards in this area during FY 1997, contingent upon availability of appropriated funds. Multiple year funding of grant awards is expected, and is also contingent upon availability of funds, progress of the research, and continuing program need. Projected awards will be in the range of \$50,000 per year up to \$1,000,000 per year with terms of 2 to 3 years.

Information on the development and submission of applications, eligibility, limitations, evaluation, selection process, and other policies and procedures may be found in 10 CFR Part 605, and in the Application Guide for the Office of Energy Research Financial Assistance Program. The Application Guide is available from the U.S. Department of Energy, Office of Health and Environmental Research, Health Effects and Life Sciences Research Division, ER-72, 19901 Germantown Road, Germantown, MD 20874-1290. Telephone requests may be made by calling (301) 903-6488. Internet requests can be made to: joanne.corcoran@oer.doe.gov. Electronic access to ER's Financial Assistance Guide is possible via the Internet using the following E- mail address: <http://www.er.doe.gov>

The Office of Energy Research, as part of its grant regulations, requires at 10 CFR 605.11(b) that a grantee funded by ER and performing research involving recombinant DNA molecules and/or organisms and viruses containing recombinant DNA molecules shall comply with the National Institutes of Health "Guidelines for Research Involving Recombinant DNA Molecules" (59 FR

34496, July 5, 1994) or such later revision of those guidelines as may be published in the Federal Register.

The Catalog of Federal Domestic Assistance Number for this program is 81.049, and the solicitation control number is ERFAP 10 CFR part 605.

Issued in Washington, D.C.

John Rodney Clark  
Associate Director  
for Resource Management  
Office of Energy Research

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