CALL FOR APPLICATIONS

OPPORTUNITY FOR OBTAINING DNA SEQUENCE OF REGIONS OF HIGH BIOMEDICAL INTEREST FROM MODEL ORGANISM GENOMES

Next Submission Date: **October 1, 2001**

ACCESS TO FACILITIES

The National Institutes of Health has expanded the list of organisms eligible for sequencing under the current NIH Mouse BAC Sequencing Program to include all animals, fungi, and eukaryotic protists (http://grants.nih.gov/grants/guide/notice-files/NOT-HG-01-002.html). This program change is intended to address the interest of the larger biomedical research community in obtaining sequence information about specific regions of genomic DNA of biomedical or biological significance.

Several of the sequencing centers in the National Human Genome Research Institute's Genome Sequencing Network will dedicate a fraction of their sequencing capacity to this initiative. Investigators may submit requests to have one or more BAC clones sequenced from one or more eligible organisms (plants and prokaryotes are excluded). Requests may be for 4-fold coverage, 6-10-fold coverage, or finished sequence. Any BAC sequenced from the mouse RPCI-23 library or the rat BAC library designated for genomic sequencing will be finished so that the sequence will be maximally useful to the centers generating the sequence of the entire genome. Requestors whose projects have been approved must also provide the BAC clone(s) to the participating sequencing centers.

An Investigator interested in obtaining the sequence of a specific region of genomic DNA that has been cloned in a BAC may submit a short, Web-based request describing the region, its importance, and its readiness to be sequenced. A panel of peer reviewers will consider the requests and advise the NHGRI on the priority of the regions requested. Those judged to be sufficiently important to warrant priority sequencing will be listed for the centers engaged in mouse genomic sequencing to choose and sequence, up to the maximum capacity available for this activity.

There will be no cost to investigators seeking this sequencing service; the sequencing will be done by centers that have already been funded through the Network. However, as with all sequence data generated by the Human Genome Project, unfinished data will be submitted to GenBank within 24 hours of generation of 2kb assemblies, and finished data as soon as completed. No sequence data will be made available to the requestor prior to public release. All publications using this data must acknowledge the publicly funded sequencing effort. If BAC clones that are approved for sequencing are not available commercially, the requestor must agree to make the clone(s) available for distribution in an expeditious manner upon publication using any or all of the data generated by the public effort.

For a more complete description of the program and to access the request form, please visit our website: **http://mouse.info.nih.gov**.

To discuss programmatic issues contact:
Bettie J. Graham, Ph.D.
National Institutes of Health; Bethesda, MD 20892-2033
Email: **bettie_graham@nih.gov;** TEL: (301) 496-7531

To discuss review issues contact:
Jerry Roberts, Ph.D.
National Institutes of Health; Bethesda, MD 20892-2032
E-mail: jerry_roberts@nhgri.nih.gov; TEL: (301) 402-0838