

No. BT/MB/01-HG-BSS-2000

**GOVERNMENT OF INDIA**

**MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY**

BLOCK NO. 2 (6–8TH FLOORS), CGO COMPLEX

LODI ROAD, NEW DELHI 110 003

**Subject: Call for Research Proposals on Genomics**

The Department of Biotechnology (DBT) invites research proposals from the scientists working in Research Institutions and Universities in Genomics. Some of the areas identified by the experts are:

**Specific areas**

1. Global gene expression studies using microarray technology for *Mycobacterium tuberculosis* with special reference to multi-drug-resistant bacilli.
2. Development of SNPs for specific haematological disorders.
3. Microbial genomics with special emphasis on sequencing of specific pathogenic organisms like *Leptospira*, *H. pylori*, *M. tuberculosis* and others.

**General areas**

1. Pharmacogenomics
2. Molecular genetic studies of infectious, systematic and genetic disorders – use of microarray technique for identification of diagnostic, drug and vaccine targets
3. Microarray technology development
4. Structural and functional genomics
5. Development of Knockout/transgenic animals
6. Development of Knockout strains/pathogens
7. Gene therapy studies.

The scientists with necessary expertise in Genomics may submit 25 copies of project proposals in DBT format (available at DBT websites <http://www.dbtindia.org> or <http://www.dbtindia.nic.in>). Multicentric/multi-investigators projects would be preferred with milestones and time schedules. The project proposals may be sent to **Dr Alka Sharma, Senior Scientific Officer-I, Department of Biotechnology, Block No. 2 (8th Floor), CGO Complex, Lodi Road, New Delhi 110 003.**