

Progress of Genome Foundation over last 4 years, upto 2008

❖ Acquisition of Land for Main Centre at Hyderabad

The Govt. of A.P. has provided a land of 4.18 acres in S.No.49/1 in Medipally Village, Ranga Reddy Dist.

❖ Memoranda of Understanding between Genome Foundation (GF) and other government and non-governmental agencies

• CCMB, Hyderabad, AP

For undertaking research projects on various genetic disorders and to develop new markers and protocols for their efficient genetic screening and diagnosis.

• Deccan College of Medical Sciences (DCMS), Hyderabad, AP

DCMS and GF will undertake research work on 'Cell and Tissue Engineering', in order to understand the basic biology of different types of stem cells, their transplantation and homing.

• Rahul Memorial Welfare Society (RMWS), Jaunpur, UP

For creating awareness about genetic diseases in the people and local clinicians, undertaking biochemical, chromosomal and molecular diagnosis.

• LabIndia Instruments Pvt. Ltd. (LIPL), New Delhi

For jointly creating awareness of genetic diseases amongst people across the country and to provide genetic analysis services to the society; and to work towards biochemical, chromosomal and molecular diagnosis of various diseases.

• Sri Devaraj Urs University (SDUU), Kolar

MoU is being worked out to establish Rural Centre of the GF in the SDUU campus.

❖ Rural Activities for Health Care

• Diagnostic Centre at Kalwari, Jaunpur Dist., U.P.

The construction work is in progress to generate infrastructure for preliminary analysis, identification of genetic disorders with long-term goals to prevent them.

• Project to Carryout Epidemiological Study

Funded by DST and CSIR with a budget of Rs.35 lakhs, for understanding the prevalence of common single-gene genetic disorders in the rural areas and provide estimates of the prevalence of common diseases.

❖ Donations

• Genetic Analyser

Applied Biosystems and LabIndia Instruments Pvt. Ltd. have donated a Genetic Analyser for DNA Sequencing, worth Rs.45 lakhs.

- **Donations from Various Agencies**

Donations collected from various corporate agencies, charitable trusts, and individuals amounting to about Rs.18.00 lakhs.

- ❖ **Social outreach**

- **Participation in a Health Care Camp**

Participated in the Health Mela at Jaunpur, displayed posters, pictorial details of various genetic disorders, their symptoms, etc. The camp created awareness about these genetic disorders.

- **Participation in the Awareness/Screening Camps organized by Indian Association of Muscular Dystrophy (IAMD) at Chail and Triambakeshwar**

Participated through talks, discussion and consultation, blood samples collection and analysis, etc.

- ❖ **Diagnostic and Other Services in Collaboration with CCMB**

- Molecular analysis of the patients suffering from various diseases such as haemoglobinopathies, bleeding/clotting disorders, neurodegenerative disorders, Carrier analysis, Prenatal Diagnosis, Genetic Counseling. (Total 5424 cases).
- Investigation of chromosomal abnormalities in recurrent pregnancy loss, ovarian dysfunction, male infertility including mental retardation, cancer, etc. (Total 6763 cases).

- ❖ **Other Services and Activities**

- DNA fingerprinting for paternity, Immigration cases and Forensic cases (animals)
- Training programme in Bioinformatics for Sr. scientists, in association with CCMB.
- Surveys of various rural areas for rare diseases : Skeletal abnormalities (Jhansi); Handigodu's disease; muscular dystrophies (Jaunpur); Twins (Allahabad)