

## ***EXTRAMURAL PROJECTS (2004-05)***

### ***New Projects***

1. Microsatellite instability in androgen receptor gene and mismatch repair system in prostate cancer in Indian males – **DST** (Dr. S. Saxena)
2. Role of tobacco use in causation of cancer in north-east India – **ICMR Task Force project** (Dr. S. Saxena, Dr. S. Kapur, Dr. U. Aggarwal)
3. Effects of pesticide exposure in causation of cancer in north-east India – **ICMR Task Force project** (Dr. S. Saxena, Dr. S. Kapur, Dr. U. Aggarwal)
4. Immune responses to Chlamydia trachomatis infection in spontaneous aborters – **DRDO, Ministry of Defence** (Dr. S. Rastogi)
5. Effect of sex hormones on induction of immunity by dendritic cells in female reproductive tract during C. trachomatis infection- **Indo-US Project** (Dr. A. Mittal)
6. Study of virulent genes in Indian strains of C. trachomatis – **DBT** (Dr. A. Mittal)
7. Molecular characterization of Leishmania parasite isolated from dermal lesions of PKDL patients in India –**Indo-German** (Dr. P. Salotra)

### ***Ongoing Projects***

1. Comprehensive study of carcinoma oesophagus at North-East India- Multidisciplinary approach. Collaborative, **Multicentric ICMR Task Force project** (2004-07).
2. Flow cytometric assays to evaluate prognosis and patient's response to chemotherapy in acute leukemia. **Extramural ICMR Project** (2003-06).
3. Discovery of virulence-related genes in Leishmania donovani using a genomic microarray. **Indo-US Vaccine Action Program** (2004-07).
4. Application of DNA microarray technology for identification of differentially expressed genes in parasite isolates from Kala-azar and PKDL patients. **ICMR Genome project** (2002-05).
5. Evaluation of cellular immune responses in Kala-azar and PKDL. **DRDO, Ministry of Defence** (2002-05).

6. Molecular cloning of differentially expressed genes in *Leishmania donovani* isolated from patients of post Kala-azar dermal leishmaniasis. **Department of Science and Technology** (2003-06).

#### Projects Completed

1. Role of in vitro cytotoxicity assessment and immunologic enhancement in the management of superficial bladder cancer-**DST** (2001-04)