

LIST OF EXTRAMURAL
RESEARCH PROJECTS

EXTRAMURAL PROJECTS (2005-06)

New Projects

1. *Establishment and characterization of breast cancer cell lines from primary breast cancers – ICMR (Dr. S. Saxena) **Approved by ICMR***
2. *Integrated Biobehavioral and biological Assessment for HIV & other STD's among Truck Drivers and Helpers on Highway in India - (Dr. A. Mittal) funded by **Bill Gates Foundation***

Submitted Projects

1. *Evaluation and validation of Enzyme Linked Immunosorbent Assay technique for detection of pesticide exposure in tissue samples – **Submitted to DRDO** (Dr. AK Jain)*
2. *Chlorotropism of Methyl-Isocyanate (MIC): Possible role in chronic cyanide toxicity -**Submitted to DRDO** (Dr. S. Sriramachari)*
3. *Health hazards of phthalates vis-à-vis idiopathic male infertility – **Submitted to ICMR** (Dr. AK Jain)*
4. *Host genetic factors for susceptibility to KA and PKDL in India – **Submitted to Indo-French Centre** (Dr. P. Salotra)*
5. *Mouse and human cell immune response to genetically defined attenuated Leishmania – **Submitted to DBT under Indo-US collaboration** (Dr. P. Salotra)*
6. *CD40 signaling modulation by Leishmania as a crucial modality of vaccine design - **Submitted to DBT under Indo-US collaboration** (Dr. P. Salotra)*

Ongoing 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. Agarwal)*
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. Agarwal)*

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)
8. *Comprehensive study of carcinoma oesophagus at North-East India- Multidisciplinary approach. Collaborative, Multicentric ICMR Task Force project* (Dr. S Saxena & Dr. S. Kapur)
9. *Flow cytometric assays to evaluate prognosis and patient's response to chemotherapy in acute leukemia. Extramural ICMR Project* (Dr. S Kapur).
10. *Discovery of virulence-related genes in Leishmania donovani using a genomic microarray. Indo-US Vaccine Action Program* (Dr. Poonam Salotra).
11. *Molecular cloning of differentially expressed genes in Leishmania donovani isolated from patients of post Kala-azar dermal leishmaniasis. DST* (Dr. Poonam Salotra).
12. *Role of chlamydial heat shock proteins in the pathogenesis of genital tract infection in women. DRDO, Ministry of Defence* (Dr. A. Mittal)

Completed Projects

1. *Evaluation of cellular immune responses in Kala-azar and PKDL. DRDO, Ministry of Defence* (2002-05).
2. *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).
3. *Monitoring of Organic Chemical Pollutants in Placental Tissue: A new Approach to Human Environmental Bio-monitoring. DST* (2002-06).