



Research Highlight

Research Highlights

Mechanisms and predictive markers of neurotoxicity Molecular mechanisms of immunotoxicity

MAJOR ACTIVITIES

Role of micro-RNAs in tumor development

Biomarkers for health risk assessment

Systems Toxicology & Health Risk Assessment

Detection and safety of GM products

Molecular mechanisms of toxicity of chemicals

MAJOR ACTIVITIES

Amelioration of chemical toxicity by naturally occurring compounds

Development of detection methods for chemicals in food

Food, Drug and Chemical Toxicology

Develop and validate in vitro and in vivo methods for safety/toxicity

Risk assessment of engineered nano-materials and products on human health & environment

MAJOR ACTIVITIES

Develop guidelines for safe handling of nanomaterials in laboratory and occupational settings Evaluation of nanomaterials as therapeutics & detoxifiers

Nanotherapeutics & Nanomaterial Toxicology

Mechanism of toxicity of environmental pollutants

Sensors & probes for biological contaminants and metals

MAJOR ACTIVITIES

Ecotoxicology & environmental impact assessment

Strategies for remediation of soil, water and industrial wastes

Environmental Toxicology

Toxicity assessment of chemicals & products

NABL accredited animal facility

MAJOR ACTIVITIES

Chemical analysis

Mathematical modeling for predicting pollution

Regulatory Toxicology