Nexus of Expertise: Biomedical and Genetic

Analysis:

Toxicity test (in vitro and in vivo)

Biocompatibility tests (in vitro and in vivo)

Clinical trial - Bioequivalent study

Metabolomics study

Antioxidant assay

Chemical marker study

Sterilization Test

Biological Evaluation Report (BER)

Neurobehavioral Analysis

Blood-Brain Barrier (BBB) Testing

Gene expression using microarray

DNA sequencing

Genotyping services

Primer design and synthesis

DNA extraction & quantification

Pre-analysis and processing

Annotation / mapping

Alignment of sequences, assembly and variant calling

Predictions, data integration and statistical analysis

Structural protein prediction

Sequence analysis

Phylogenetic analysis

Genomic Shotgun Library Construction

Gene Synthesis & Donstruction

DNA sequencing (plants, animals, microbes, insects, fungi)

Forensic DNA

MicroSEQ sequencing & amp; identification of fungi

Wildlife forensic

Alkaline Comet Assay

Mycoplasma Detection

Cancer induction studies

Acute, Sub-Acute & Dronic Oral Toxicity Study

Acute Systemic Toxicity Study

Spontaneous Hypertensive Study

Primary Skin Irritation Test

Dermal Sensitization Test

Rabbit Pyrogen Test

Skin corrosion and irritation test

MTS Cytotoxicity Test

Bacterial Reverse Mutation Test / Ames Test (OECD TG 471)

In vitro Mammalian Cell Gene Mutation Test / HPRT Test (OECD TG 476)

In vitro Mammalian Cell Micronucleus Test (OECD 487)

Individual ventilated cage system

Newborn screening

