**Methodological Topics:**
- Bayesian Methods
- Big Data Analytics
- Biological Networks
- Categorical Data Analysis and discrete models
- Causal inference
- Computer intensive methods and software development
  - Diagnostic Test
  - Goodness-of-fit
  - Imaging and signal data
  - Joint outcome models
- Longitudinal data analysis/mixed effects model
  - Mechanistic models
  - Micrarrays and omics data
  - Missing and incomplete data
  - Mixture models
- Multiple testing and adjustments for multiplicity
  - Multistate models
  - Predictive modelling
- Quantile/MQuantile regression
  - Regression modelling
  - Risk analysis and risk management
  - Small area estimation
- Spatial and spatio-temporal data analysis
  - Survival analysis
- Validity and reliability of measurements
  - Visualization

**Application Areas:**
- Agriculture
- Bioinformatics
- Climate
- Clinical trials/Cancer clinical trials
- Ecology
- Environmental research
- Epidemiology
- Forensics
- Forestry
- Fisheries
- Genetics
- Health services
- Infectious diseases and control
- Medical research
- Non-Clinical, Pre-clinical statistics
- Pharmacokinetics, pharmacodynamics, pharmacoepidemiology
- Plant breeding
- Population estimation
- Radioactivity and radiation exposure
- Toxicology and pharmacology