

# TetraQ – Centre for Integrated Preclinical Drug Development (CIPDD)

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## Services & Capabilities

### Contract Preclinical Studies

- Fee-for-Service
- Short-term projects

### Collaborative Preclinical Drug Development with Industry Partner

- Several funding models
- Long-term projects

### Applied Preclinical Methods Development

- Academic funding
- Continuous



ISO 17025 (R&D)  
accreditation  
+  
GLP recognition

### **Toxicology**

- Genotoxicity
- Acute & Repeat Dose Tox Studies
- Safety Pharmacology
- hERG, Respiratory and CNS
- Cytotoxicity Screening  
(GLP Preclinical Data Management System)

### **ADME-Bioanalytical**

- Bioanalytical method development & validation
- Sample analysis (Animal, Human)
- Animal PK & TK studies
- Metabolic Stability
  - Microsomes, hepatocytes, S9
- Metabolite ID (Lightsight software)
- Biodistribution studies
- Plasma protein binding
- Bioanalytical & PK support for human clinical trials (WinNonLin)

### **Quality Assurance**

### **Efficacy – Disease Models**

- Pain Models (13+ validated models)
- Alzheimer's Disease
- Multiple Sclerosis
- Arthritis
- Allergic Rhinitis

### **Pharmaceutics**

- Caco-2 Cell Studies
- Dissolution Studies
- Stability indicating method development
- Stability trials
- Physicochemical characterization

### **Methods & Toolkits**

- Disease Model Development
- Bioanalytical Methods Development
- Other Methods

FDA 21CFR 11 validated instruments and IT