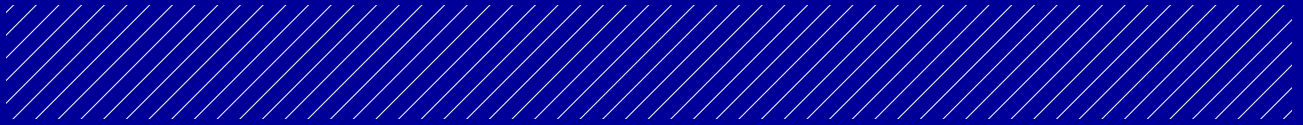


# PATHOLOGY

- ▶ 25+ years' experience with a broad skillset in discovery and clinical-enabling pathology
- ▶ GLP certified with highest quality standards and an impeccable regulatory inspection history
- ▶ Unparalleled flexibility with all capabilities in-house and under one roof
- ▶ DACVP/DECVP, MRCPATH, DECLAM, DECVCP qualified pathologists/clinical pathologists



## AREAS OF EXPERTISE

▼  
NECROPSY

▼  
HISTOLOGY

▼  
PATHOLOGY

## **NECROPSY**

- ▶ Tissue collection according to standard or customised protocols, including special procedures for immunohistochemistry, electron microscopy, neuropathology, gene expression studies, swiss roll preparation, peripheral blood lymphocytes sampling for electron microscopy examination
- ▶ Fixation, including whole body perfusion in rodents and tissue freezing fixation
- ▶ Macroscopic and organ weight data recording
- ▶ Gross pathology reporting and interpretation
- ▶ Gross pathology photographic documentation

## **HISTOLOGY AND ELECTRON MICROSCOPY**

- ▶ Trimming, according to standard and special procedures: enhanced brain and heart trimming
- ▶ Processing to wax and resin for light or electron microscopy
- ▶ Bone tissue decalcification
- ▶ Cryomicrotomy (frozen sectioning)
- ▶ Special histochemical stains
- ▶ Immunohistochemistry
- ▶ Grid preparation for transmission electron microscopy
- ▶ Peripheral lymphocytes preparation for electron microscopy
- ▶ Morphometry
- ▶ Packaging for archive of residual tissues
- ▶ National and international transportation and documentation

## **PATHOLOGY**

- ▶ Pathology evaluation, interpretation, integration and reporting
- ▶ Expertise covering toxicologic pathology in drug development, research animal model validation and characterisation with focus on translation to human
- ▶ Neurovacuolation studies (Olney's test)
- ▶ Diagnostic veterinary pathology

- ▶ International standards in terminology and diagnostic criteria addressing regulatory requirements and expectations
- ▶ Peer review

## **PATHOLOGY SERVICES APPLICATIONS**

- ▶ Preclinical regulatory studies (acute and repeated dose studies), investigative studies (e.g. targeting attrition issues)
- ▶ Discovery research (animal model of disease: study design, validation and characterisation)
- ▶ Diagnostic veterinary pathology
- ▶ Biomarkers identification and validation packages
- ▶ Ultra structural pathology
- ▶ Training and education
- ▶ Consultancy

## **FACILITIES AND CAPABILITIES**

- ▶ Rodent, non-rodent species necropsy rooms, with fully computerised workingstations
- ▶ GLP-certified histology laboratory facilities and instruments
- ▶ Transmission Electron microscopy unit
- ▶ Slide scanner and remote sharing system

## **EXPERTISE**

- ▶ Histopathology technicians, with strong experience in preclinical pathology studies in GLP environments and in experimental animal models
- ▶ Pathologists with extensive expertise in drug development and research with competencies in risk assessment and translational research
- ▶ Clinical pathologist with expertise in biomarker setup, validation and interpretation in translational research

## **REGULATORY COMPLIANCE**

Services conducted under Good Laboratory Practice (GLP) in regulatory-compliant facilities