

Laboratory for Animal Model Pathology (LAMP)

A Core Research and Service Facility at the Vetsuisse Faculty

Laboratory for Animal Model Pathology (LAMP), Institute of Veterinary Pathology, Vetsuisse Faculty, University of Zurich

LAMP provides veterinary pathology expertise for research projects involving animal work.

Our aims:

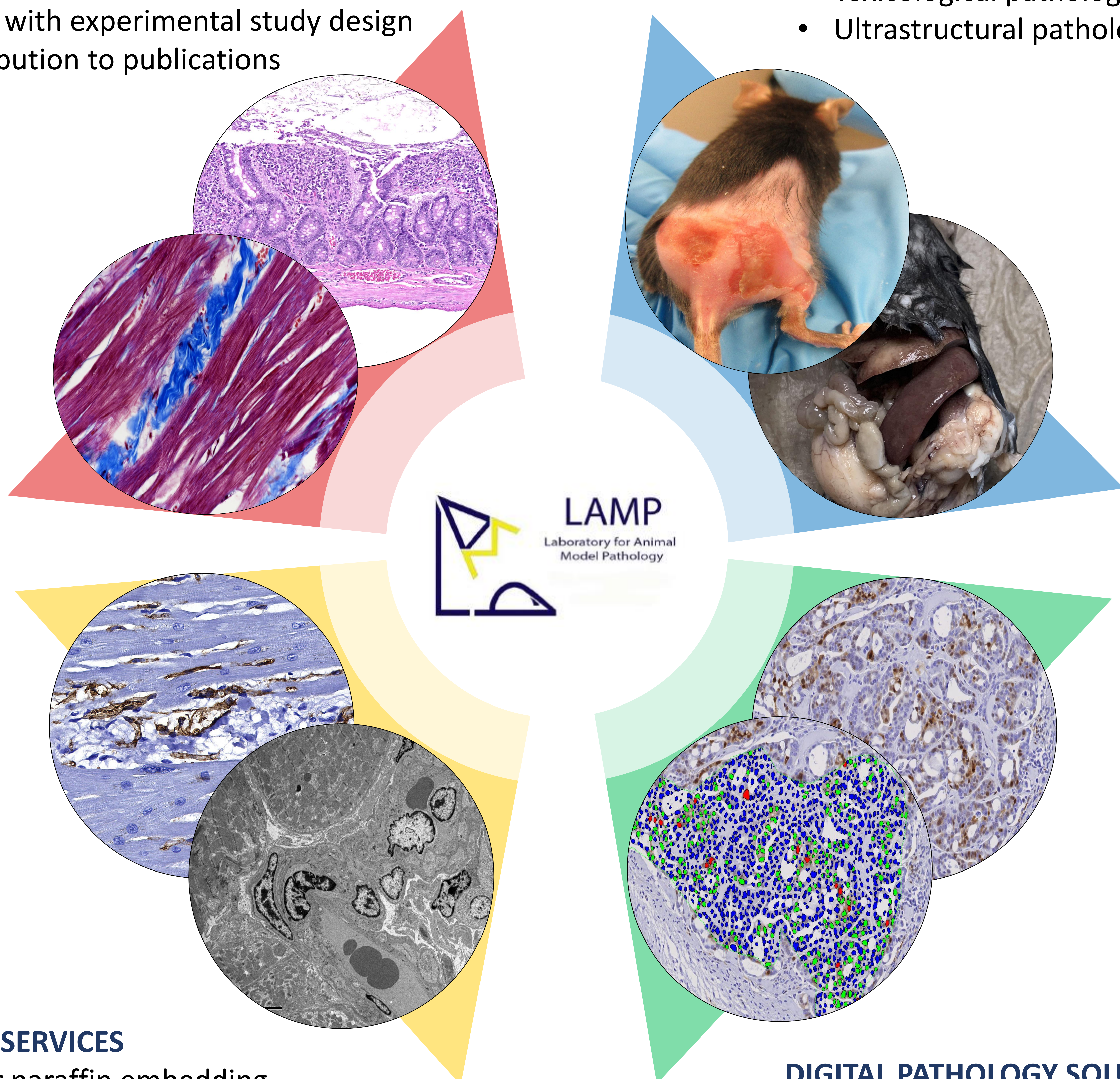
- Foster interdisciplinary research to achieve optimal use of laboratory animals (3Rs).
- Provide a timely and cost-effective technical service and expert input in relevant areas of laboratory/experimental animal pathology.
- Train researchers in basic techniques to allow optimal *in situ* studies on laboratory/experimental animals.

EXPERT PATHOLOGY SERVICES

- Necropsy and tissue/sample collection
- Histopathological assessment
- Evaluation of IHC, ISH, IF and TEM specimens
- Photographic documentation
- Assistance with experimental study design and contribution to publications

SPECIFIC EXPERTISE IN

- Phenotyping of GEMs
- Diagnostic pathology
- Experimental pathology.
- Toxicological pathology
- Ultrastructural pathology



TECHNICAL SERVICES

- Frozen or paraffin embedding
- Standard histopathology techniques
- Immunohistochemistry (IHC) and immunofluorescence (IF)
- RNA-ISH (RNAScope®)
- Transmission electron microscopy (TEM)
- Immune electron microscopy
- Laser capture microdissection (shared equipment)

DIGITAL PATHOLOGY SOLUTIONS

- Whole slide imaging
- Morphometrical analyses
- Tissue alignment of serial sections