

## **Collaborative Research Support Services Available to Emory University**

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### Research and Service Interests

- Integrin and growth factor signaling in mammary gland biology and neoplasia
- Comparative mammary pathology
- Use of animal models to study mammary gland biology and neoplasia
- Use of genetically modified mice to study cardiovascular disease
- Use of genetically modified mice to study diseases of the CNS
- Pathology of genetically modified mice
- Building of a regional database, tissue and slide bank of genetically modified mice

### Services Provided

- Complete gross, histopathological, and clinical pathological evaluation of animal tissues
- Complete phenotyping (gross, histology, and clinical pathology) of genetically modified mice
- Immunohistochemistry of animal tissues (including genetically modified mice)
- Collaboration at different levels (grant writing, necropsy, histopathology, etc.)
- Basic necropsy techniques and description of gross lesions (wet labs) for non-pathologists (graduate students, postdocs, technicians, and PIs)
- Evaluation of various genetically modified mouse models (organ-specific lecture series for non-pathologists)
- Necropsy techniques and phenotyping of genetically modified mice (hands-on instruction to DVMs with interest in pathology, pathology residents, and pathologists)