Porcine Model of Esophageal Injury and Repair

Research emphasis:
Ms. Krüger’s research interests are in the development of translational large animal models. In particular, she utilizes a porcine model to study acute injury in the esophagus in order to elucidate stem cell populations and repair mechanisms post-injury. She hopes to translate her findings into a better understanding of acute and chronic injury in the human esophagus and how misrepair can lead to diseases such as Barrett’s Esophagus and Esophageal Adenocarcinoma.

Applications:
- Large animal models
- Esophageal stem cells
- Epithelial injury and repair
- Cancer

Research Strengths:
- Immunohistochemistry
- Large animal models
- Western blot
- Quantitative PCR

Publications and Abstracts:
