Gastrointestinal Repair and Regeneration

**Research emphasis:**
Dr. Blikslager’s research concerns the mechanisms by which the gut repairs and regenerates following injury, including ischemia/reperfusion injury, ulceration, and inflammatory insult. The gut barrier has become an area of particular interest, with focused studies on how it re-seals following injury, and how it modulates diffusion of molecules present in the gut lumen. Additional studies have also assessed how best to treat animals in pain because of intestinal disease while facilitating recovery of the intestinal tract.

**Application:**
- Treatment of gastrointestinal disease
- Models of intestinal injury
- Understanding gut barrier function

**Collaboration potential:**
- Intestinal ischemia/reperfusion injury
- Inflammatory bowel disease
- Drug delivery and the intestine
- Treatment of gut-related pain and inflammation

**Selected publications:**


