

# Vermeren Group

- Neutrophils cross-talk with immune and non-immune cells to coordinate the inflammatory response
- One focus of our work involves cross-talk with endothelial cells, where we analyse cellular signalling that regulates endothelial permeability as well as neutrophil adhesion and extravasation.
- We also analyse receptor signaling which regulates neutrophils in inflammation

## Signalling in inflammation

Vasoactive compounds and neutrophil interactions trigger vascular leakage during the inflammatory response.

Vascular leakage caused by complications of serious pre-existing conditions represents a leading cause of mortality in ICUs.

