

# Henderson Group

- Tissue fibrosis (scarring) accounts for nearly 45% of deaths in the developed world
- Iterative tissue damage results in progressive fibrosis, disrupted organ architecture and function, and aberrant regeneration
- Single cell RNA sequencing is transforming the way we think about disease pathogenesis, allowing the interrogation of individual pathogenic cell populations with unprecedented resolution
- We combine cutting-edge single cell RNA sequencing approaches with real-time intravital imaging of organ fibrosis and regeneration, to **identify therapeutic targets to drive tissue regeneration and repair**

## Combining single cell RNA-sequencing and intravital imaging to identify therapeutic targets to drive tissue regeneration and repair

