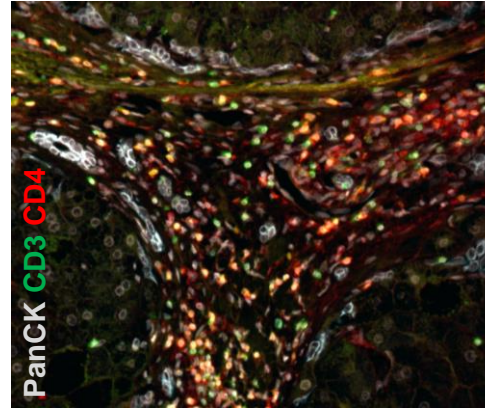


# Lu Group

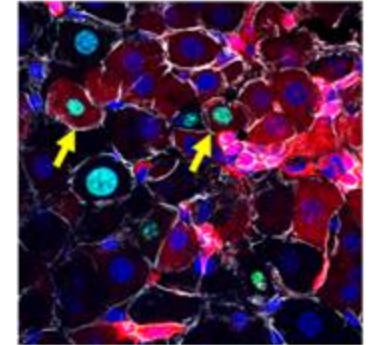
- The liver epithelium undergoes cellular fate change during extreme liver damage
- CD4 T-cell infiltration plays a crucial role during tissue regeneration and repair
- We are investigating how CD4 T-cells affect the activation of the liver trans-differentiation process.
- Does the stability of regulatory T cells affect how well the liver repair? Can we make it more efficient?
- We seek to investigate whether we can use **CD4 T-cells** to **improve regenerative therapies**

## Role of CD4 T-cells in modulating liver epithelium regeneration

T-cell – epithelium interaction



Transgenic fate-mapping model



T-cell mediated liver regeneration

