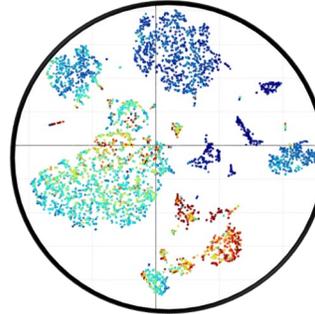


Cash Group

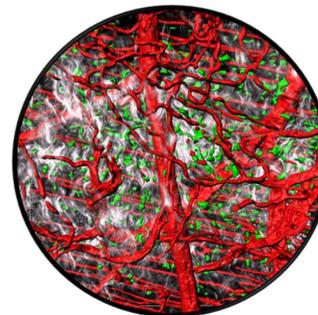
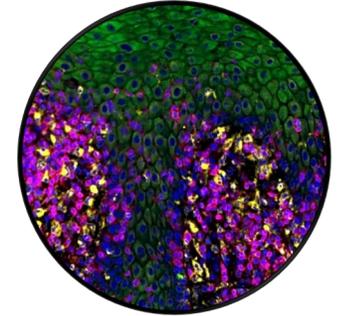
- Skin wounds typically repair by forming a **scar**. However, a growing proportion are developing into **chronic non-healing wounds**.
- Our work focusses on understanding how the healing process derails to identify novel **therapeutic targets** to reverse the process.
- We are exploring macrophage (**MΦ**) and granulocyte (**PMN**) **heterogeneity** and **function** in acute and chronic wounds, as these cells play both beneficial and detrimental roles in skin healing.
- We seek to understand how the **skin vascular niche** is impacted by the chronic wound microenvironment.
- We are investigating the use of **intelligent wound dressings** and novel **small molecule and biological therapies** to treat non-healing wounds.

Understanding the mechanisms that govern skin repair versus repair failure

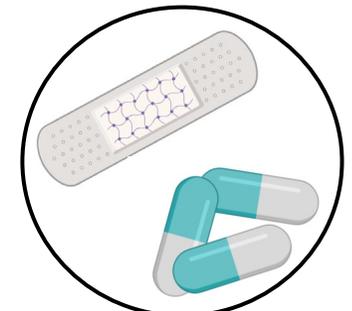
MΦ and PMN heterogeneity



Function of distinct MΦ and PMN subsets



Skin vascular niche



Novel therapeutics