Sydney Rivers Steele

- Bachelor of Science, Bioengineering
- Masters Student in Laboratory Animal Science, admitted Autumn 2021
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Publications

PUBLICATIONS

- **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
  WILEY.2022: A22

- **Disrupting mechanotransduction decreases fibrosis and contracture in split-thickness skin grafting.** *Science translational medicine*
  2022; 14 (645): eabj9152

- **Pullulan-Collagen Hydrogel Wound Dressing Promotes Dermal Remodeling and Wound Healing Compared to Commercially Available Collagen Dressings.** *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*
  2022

- **Pullulan-Collagen Hydrogel Wound Dressing Promotes Dermal Remodeling and Healing in an Excisional Wound Model**
  WILEY.2022: A24

- **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
  WILEY.2022: A5

- **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
  WILEY.2022: A31-A32

- **Interactions Of Fibroblasts Versus Macrophages In An In Vitro Model Of Scar Formation And Wound Healing**
  Huskins, S. L., Griffin, M., Steele, S., Thomas, B., Kussie, H. C., Sivaraj, D., Leeolou, M. C., Trotsyuk, A. A., Padmanabhan, J., Longaker, M. T., Gurtner, G. C., Chen, K.
  WILEY.2022: A53-A54

- **Determining How Early Disruption Of Mechanotransduction Affects Acute Wound Healing**
  WILEY.2022: A22

- **Inhibiting Fibroblast Mechanotransduction Modulates Severity of Idiopathic Pulmonary Fibrosis.** *Advances in wound care*
Xenogeneic skin transplantation promotes angiogenesis and tissue regeneration through activated Trem2+ macrophages. Science advances


2021; 7 (49): eabi4528