



Conditions Treated:

Research Areas:

- *Lung Fibrosis*
- *Efferocytosis*
- *Cellular Metabolism*
- *Immunology*
- *Macrophage Biology*
- *Lung Inflammation*

Programs & Services:

- *Department of Medicine*
- *Division of Pulmonary, Critical Care and Sleep Medicine (Adult)*

My long-term research goals focus on understanding the function of macrophages during lung homeostasis and inflammation. I am interested in the ability of macrophages to perform multiple opposing functions over the course of an inflammatory response: driving inflammation and pathogenic tissue remodeling, as well as promoting resolution and repair. My research has focused on describing macrophage subsets within the lung and understanding signals that trigger macrophage reprogramming, particularly the clearance of dying cells by macrophages, termed efferocytosis.

In ongoing work, I am studying a link between efferocytosis, macrophage metabolism, and reprogramming of macrophage function as it relates to the resolution of inflammation/injury and development of fibrosis in the lung.

Education

2014 University of Michigan, Ann Arbor, MI, Immunology, PhD
2008 Kalamazoo College, Kalamazoo, MI, Biology, BA

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Locations

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