Key questions defining research program:
1) How is Th17 cell development regulated?
2) What factors drive Th17 cells' pathogenic functions in vivo?
3) How does blockade of specific immune pathways impact inflammatory T cells in humans with autoimmune disease?

Key words describing research program:
1) inflammation
2) cytokines
3) in vivo modeling
4) autoimmunity
5) Th17 cells

Titles for shovel-ready research projects:
1) Basic research on th17 cells – The McGeachy lab aims to understand the mechanisms through which inflammatory th17 cells are activated and regulated; potential projects would involve in vitro culture of mouse and/or human T cells under varying stimulation conditions, analysis by flow cytometry, qPCR and ELISA.