

Wood Group

- *Drosophila* (fruitflies) are a powerful genetic model for studying immune cell biology in vivo
- We use timelapse confocal imaging to live image the recruitment of inflammatory cells to wounds and sites of infection in vivo.
- We want to understand how immune cells integrate different signals that may be telling them to do very different things
- One key question is how exposure to one signal (i.e infection, a wound or an apoptotic corpse) can alter the ability of an immune cell to respond to a subsequent cue.
- We are trying to understand the molecular machinery that underlies this 'innate immune memory'

Using *Drosophila* to Understand Inflammatory Cell Migration and Signal Integration

