**A.** Low dose VS Normal neutrophil density

- **E. coli**-DsRed injected in *tg(mpx:GFP)*
- Bacterial clearance
- Enhanced granulopoiesis
- Survival

**B.** Low dose VS Low neutrophil density MO *csf3r*

- Bacterial proliferation
- Neutropenia
- Death at 2-3dpi

**C.** High dose VS Normal neutrophil density

- Bacterial proliferation
- Neutropenia
- Death at 2-3dpi

**D.** Very high dose VS High neutrophil density _gcsfa_ over expression

- Bacterial clearance
- Enhanced granulopoiesis
- Survival