

# PDMS Well Printing and Assembly

- Open FinalDesign\_P16104 in Silhouette cutter program
- Print design on 600um thick PDMS sheets
- Assemble layers in order printed excluding the final solid cut piece
  - Add protein to center well before placing solid layer on top of wells
  - Use plasma wand to bond each of the sheets together
  - Place in oven at 60C for two hours
- Load reagent well (large well) with 200uL of reagent
  - Load through bottom of device where channels are
- Bond final unused solid cut piece to assembled and loaded device
  - Should be on bottom of device where solenoids do not touch