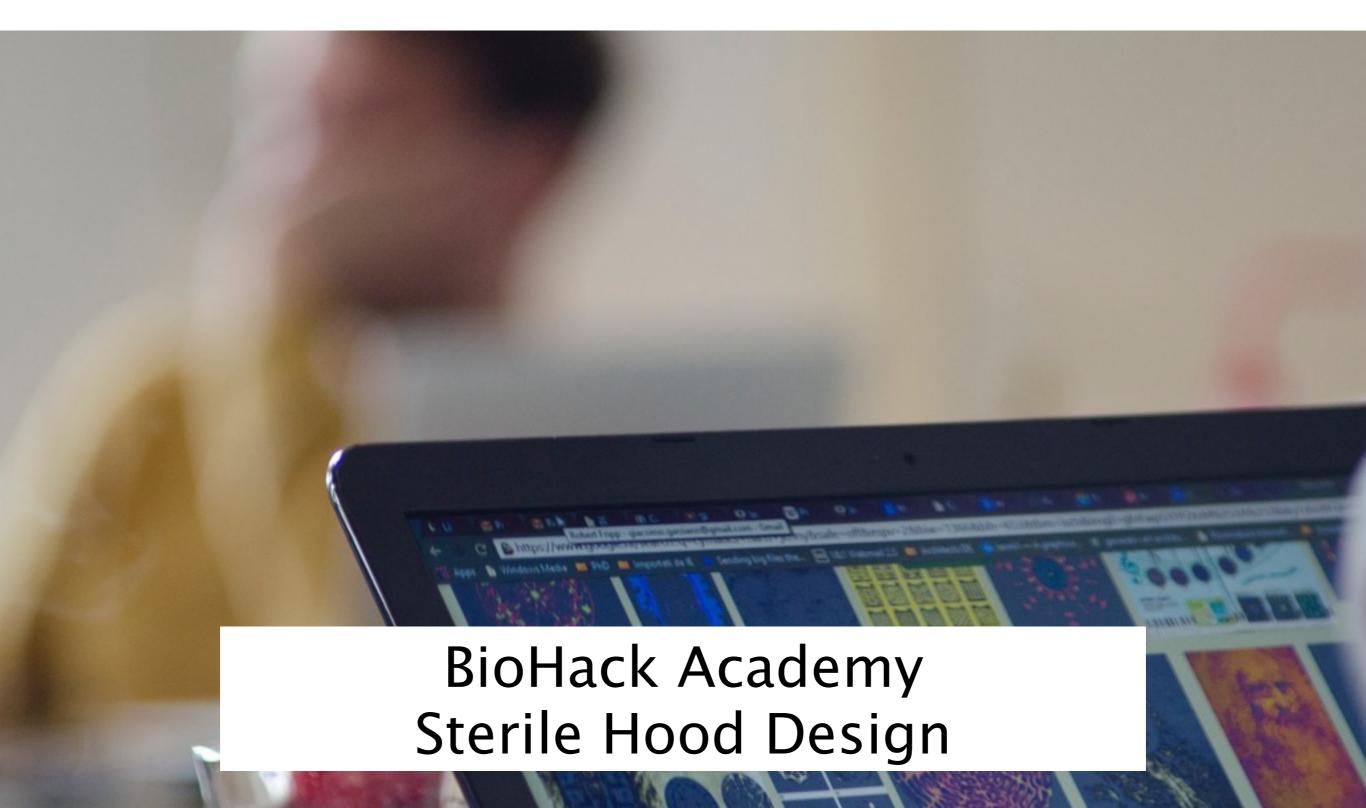
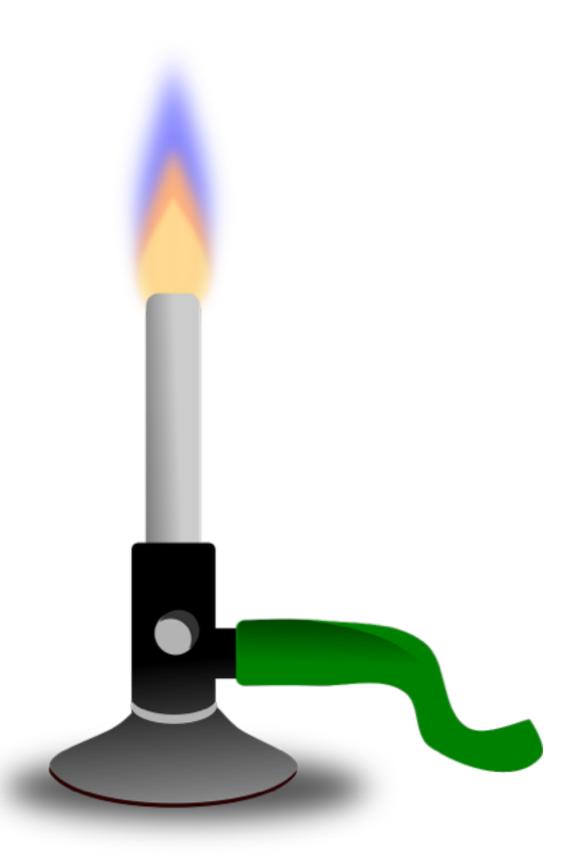


institute for art, science and technology





Working sterile



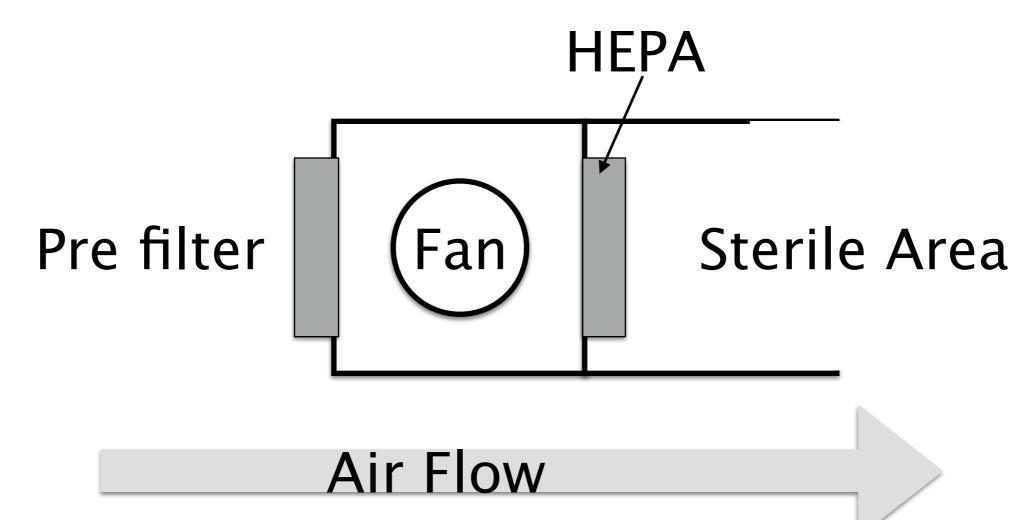






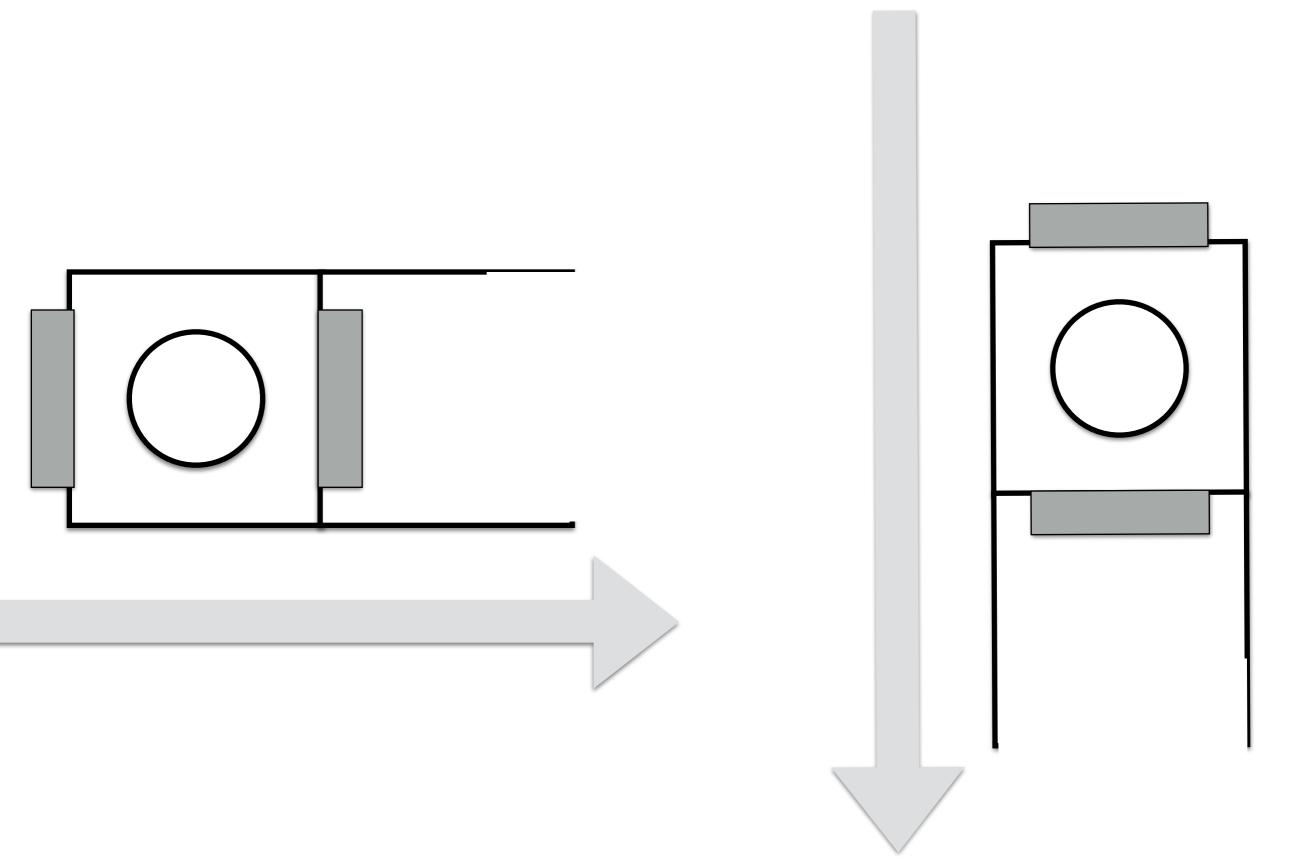
Components

- Pre filter
- Fan
- HEPA Filter
- Minimal air flow of 0.5 m / second



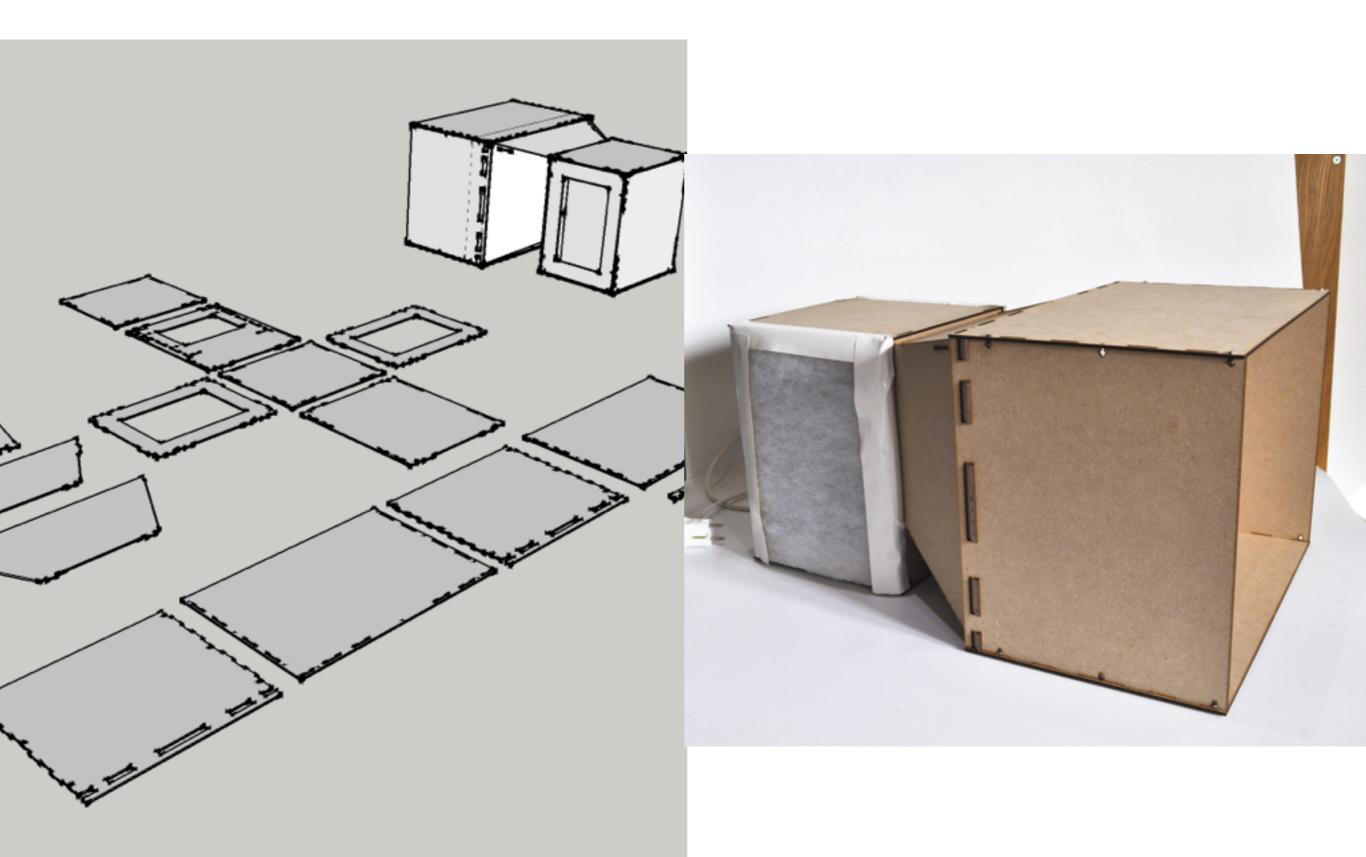


Horizontal vs Vertical airflow



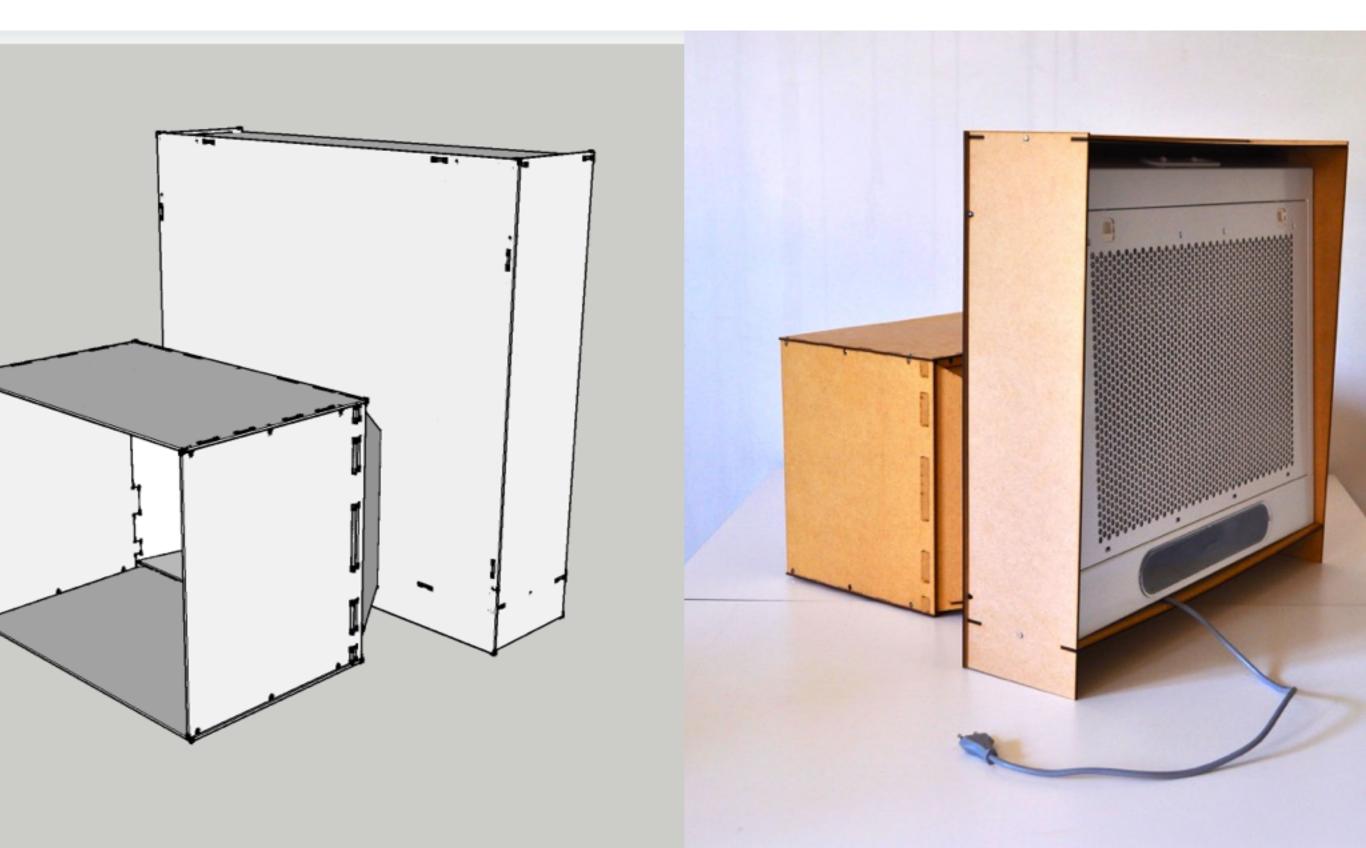


BioHack Academy 1 Design





BioHack Academy 2 Design





- Fellowes office air filter
- 0.3 micron pores
- 99.97% filtering
- H14 class
 - EN1822 standard



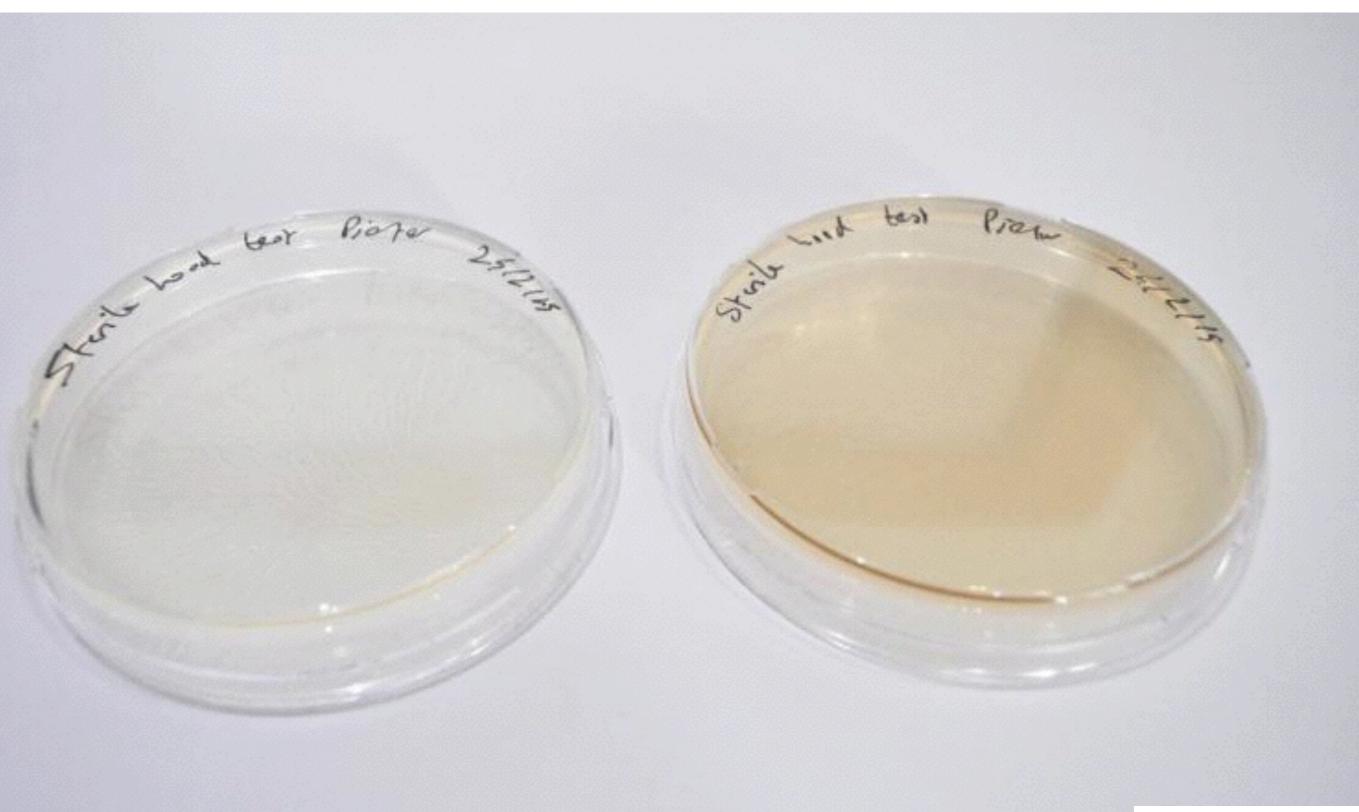
- Calculate the airflow
- Needed:
 - $0.41 \times 0.32 \times 0.5 =$
 - 0.0656
 - cubic meter / second
 - 236.16
 - cubic meter / hour
 - We choose 250 cubic meter / hour



IKEA



Test results





Schedule Monday / Tuesday

- Monday Morning:
 - 10:00 Sketchup instructions
 - 13:30 FabLab tour and demonstration
- Tuesday:
 - 10:00 Production and assembly of SterileHood

