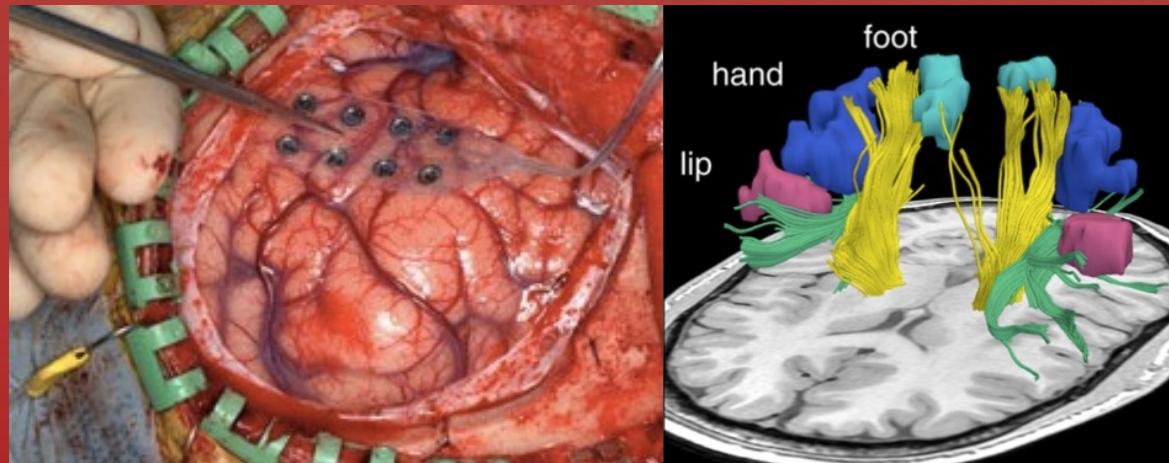


# fMRI Motor/Sensory Memory

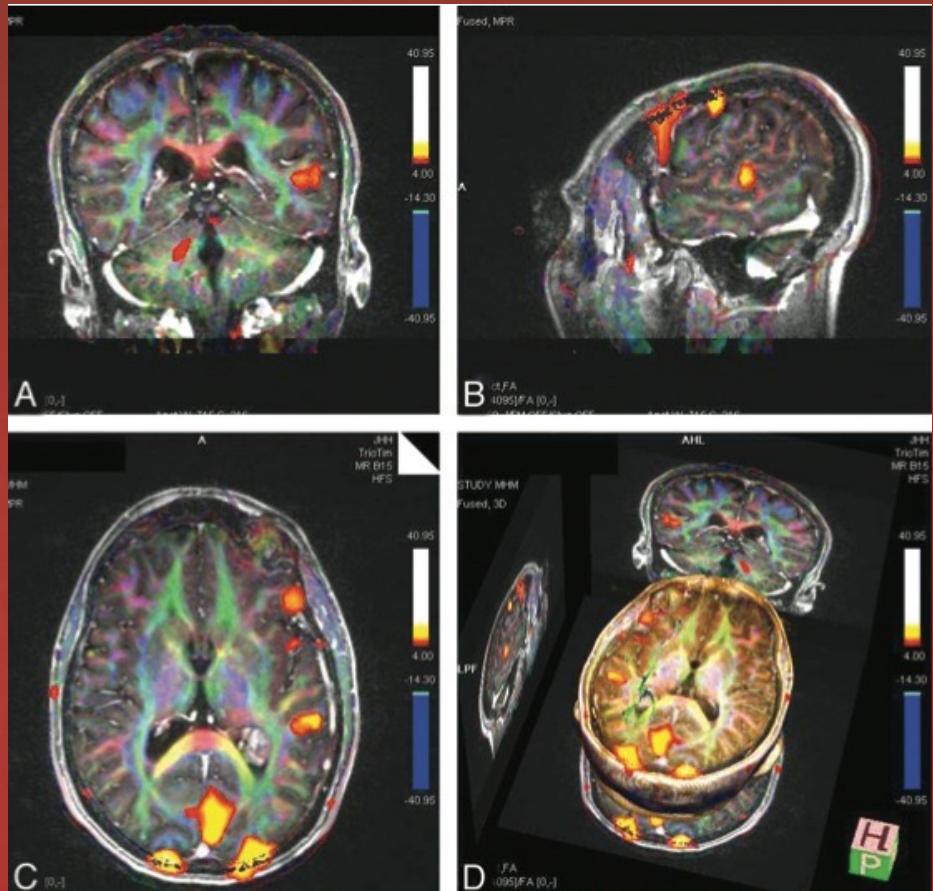
{ August 19, 2011

# Networks

1. Motor/Memory
2. Language
3. Tractography
4. Resting fMRI – connectivity
5. Intra-op & BUMC Cases

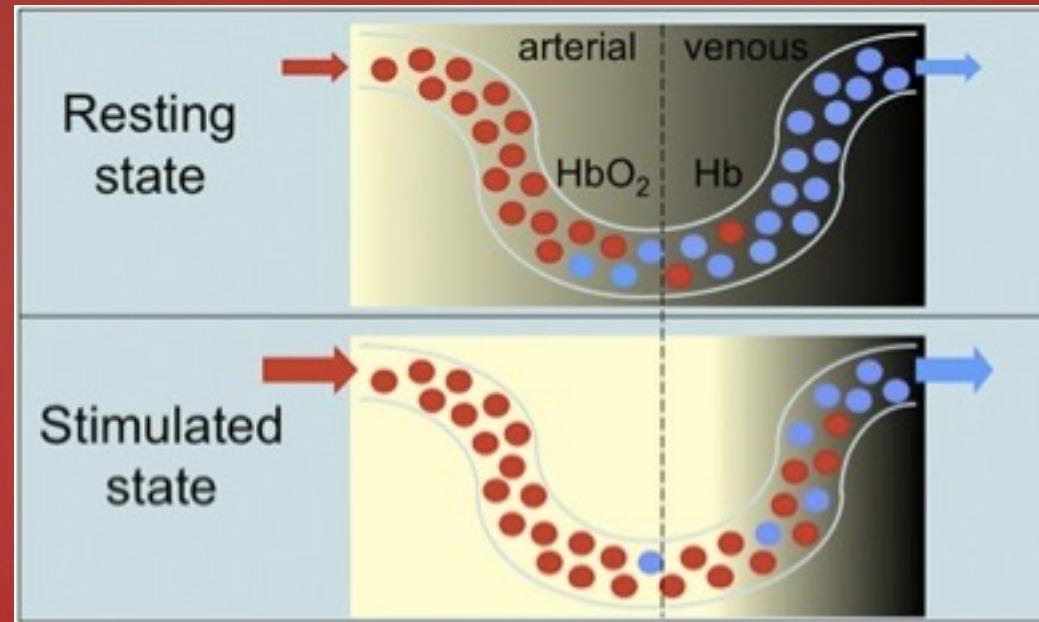


↳ Motor / sensory  
↳ Speech  
↳ Visual



# Eloquent cortex

- Measuring blood flow changes
- Deoxygenated blood provides the contrast



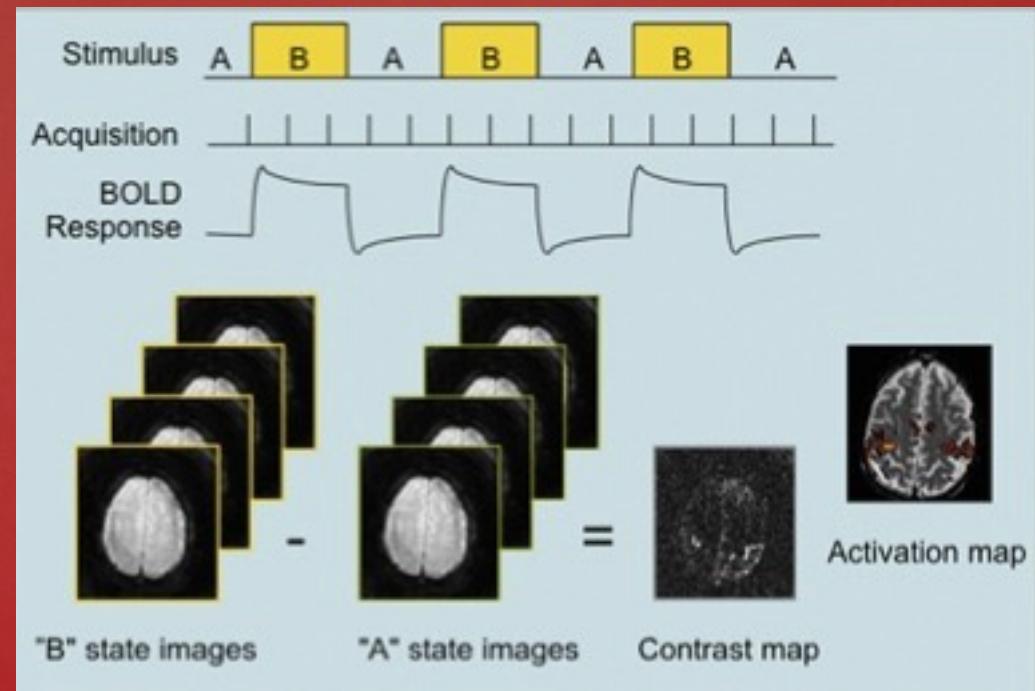
# What is fMRI

- Changes are small
- Brain gets bored easily (need constant new stimulation)
- Compare to baseline

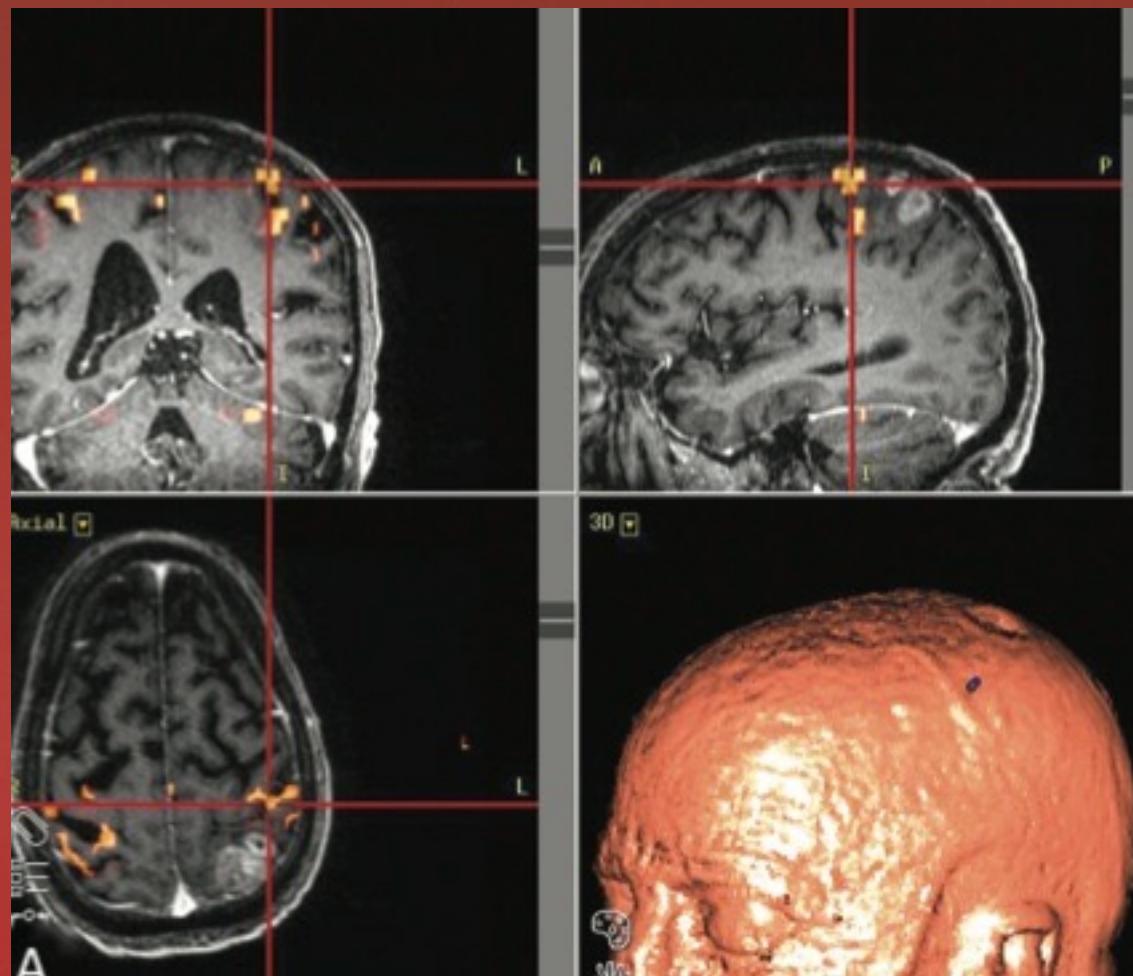
# Problems

- Repetitions
- On and off every 30 secs for 3 mins.

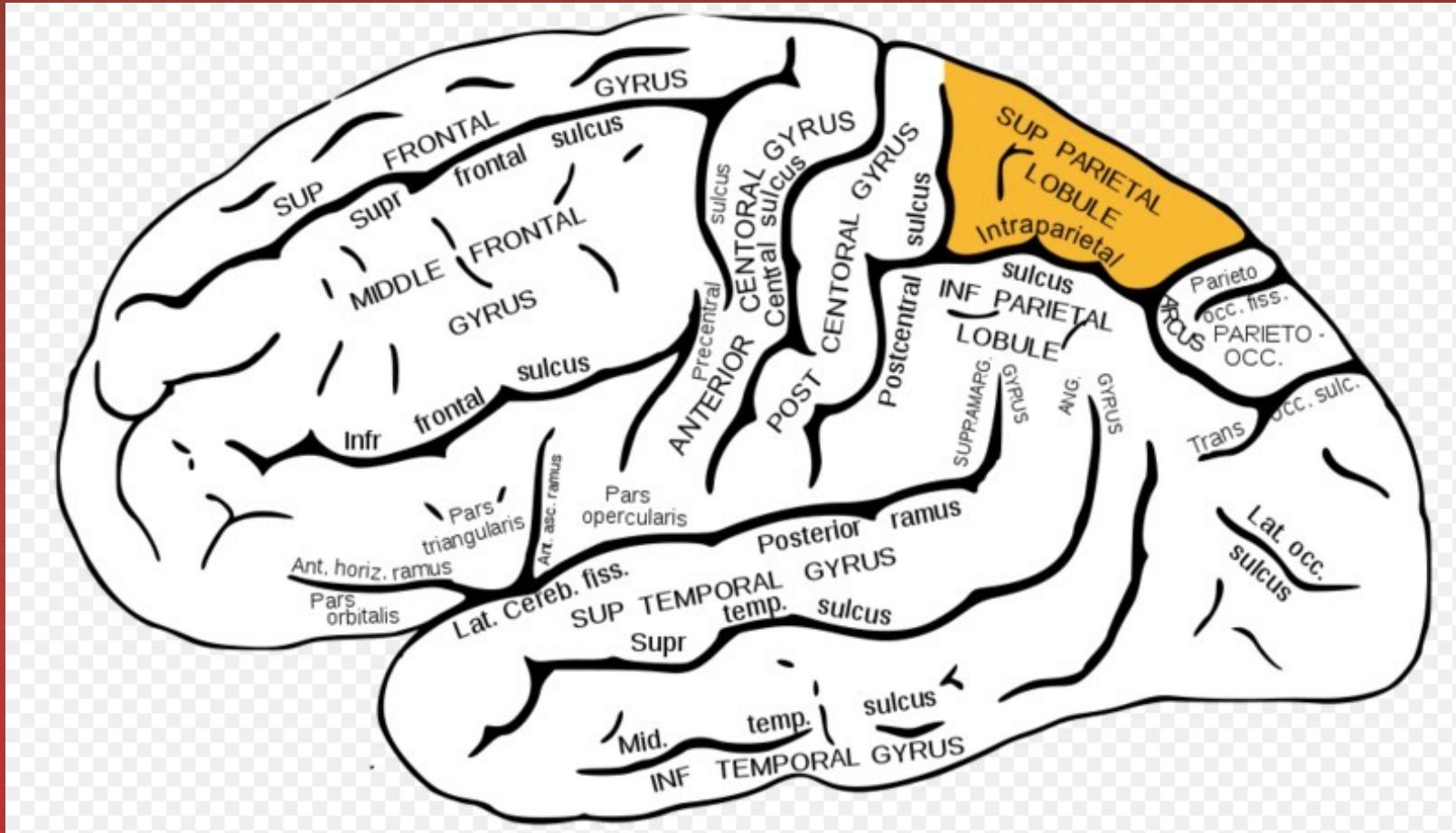
# Paradigms



# Problems – Now that we have the images



- ¶ Multiple activations for a single task
- ¶ Is it real or artifact
- ¶ Tip of the iceberg



# Motor

