Neural Coding in the Modern Era --- Guest Lecture from Allen Research Institute

* Hubel and Weisel: oriented receptive fields (simple vs complex)
  + Simple: orientation and position of light (stimulus) matter
  + Complex: orientation matters, but position not as specific
    - AND vs OR operation; complex cells are congregations of simple cells which can fire if ANY of their lower tier cells fire
* Visual Cortex
  + <http://brain-map.org/>
  + <http://casestudies.brain-map.org/celltax>
  + As you move along the neuron stream, cells become more specialized for specific aspects of visual stimuli
  + Calcium imaging
    - Record from hundreds of cells simultaneously