























































Eye Summary Sensory responses depend on the recent history of stimulation, due to adaptation effects Bipolar cells integrate a neighborhood of photoreceptor responses to exhibit antagonistic center-surround receptive fields Retinal ganglion cells integrate bipolar responses and send action potentials into brain Center-surround RFs (lateral inhibition) enhance spatial contrasts Luminance and color information are processed in parallel by different cells



























Conclusions

- Receptive fields and tuning curves characterize the response properties of sensory neurons
- Visual neurons are arranged in retinotopic "maps"
- Different sensory features are processed in parallel in different brain areas
- More complex and specific featuressensitivities are constructed from lowerlevel features (hierarchy)

43