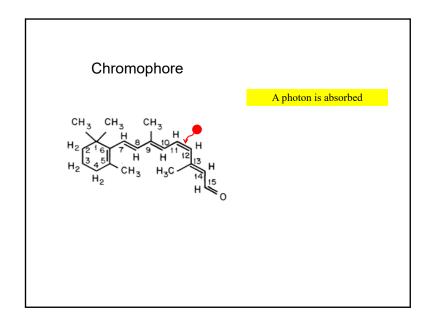
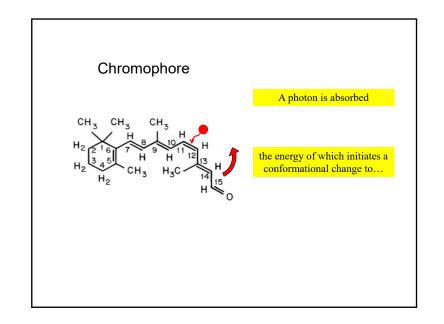
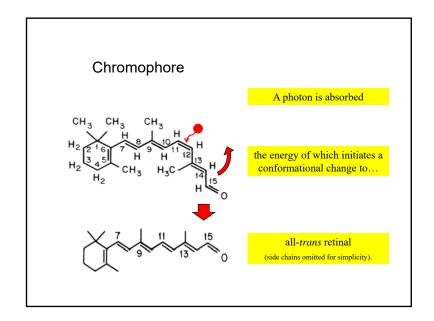
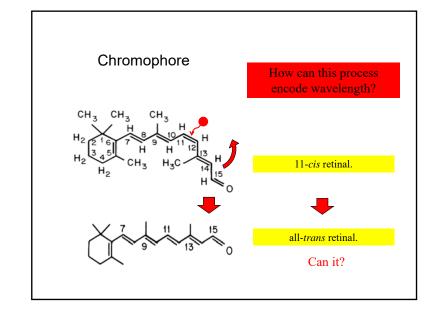


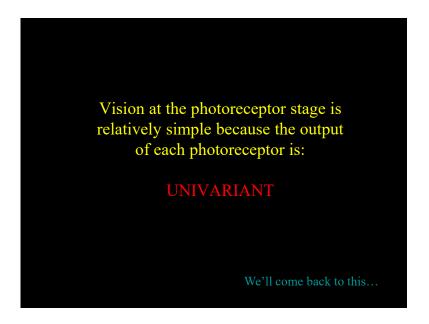
 $C_{-1}$   $V_{-1}$   $V_{-1}$ 

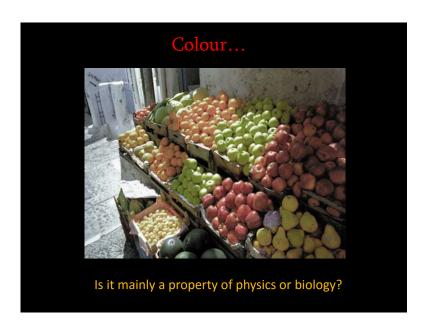


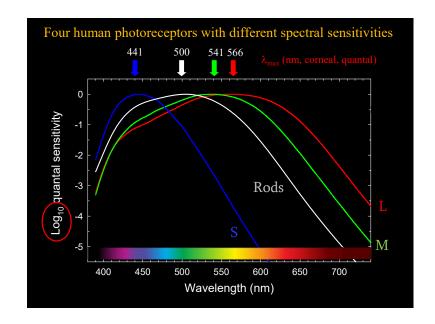


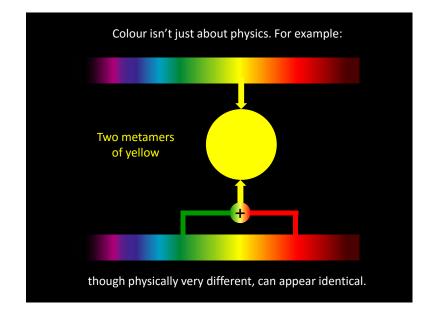




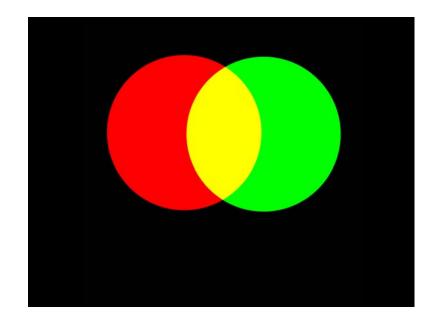


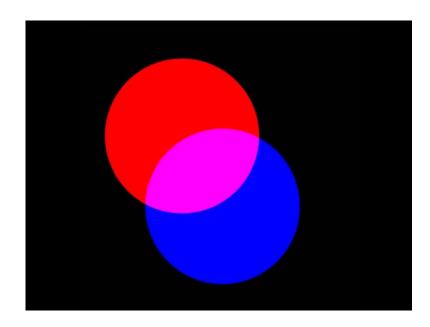


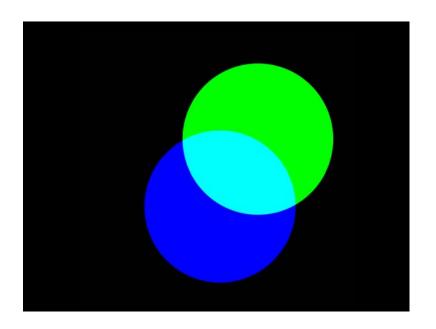


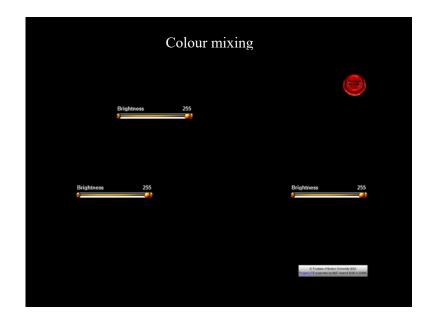


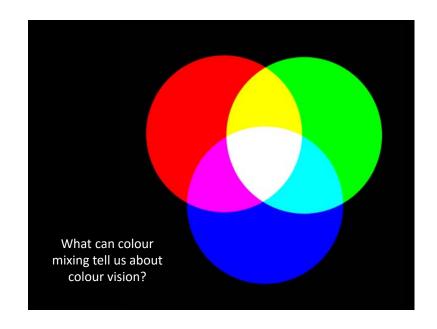


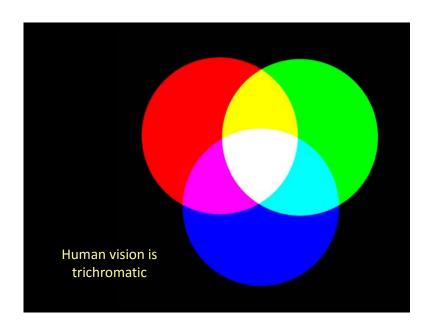


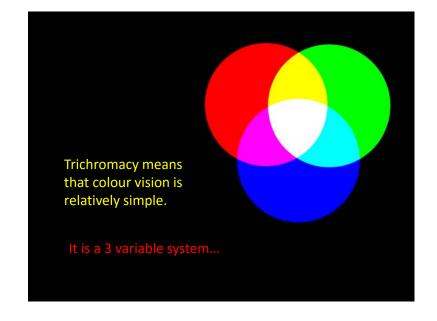




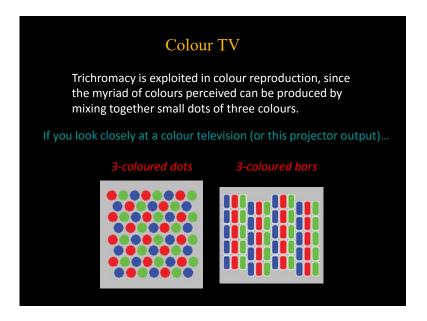


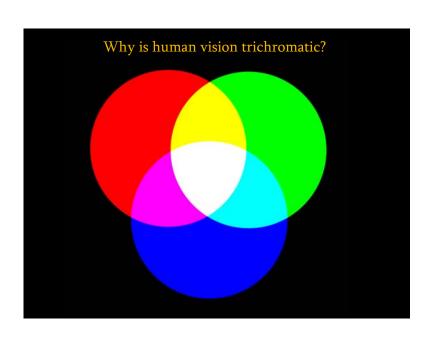


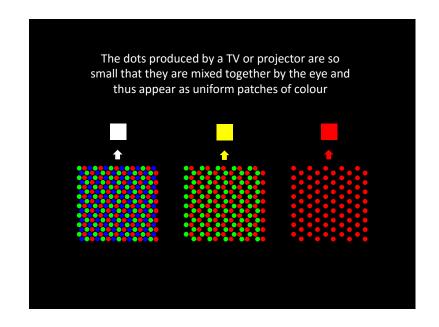


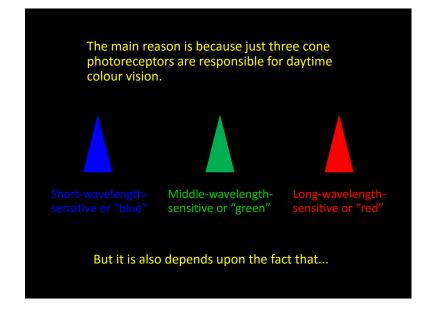


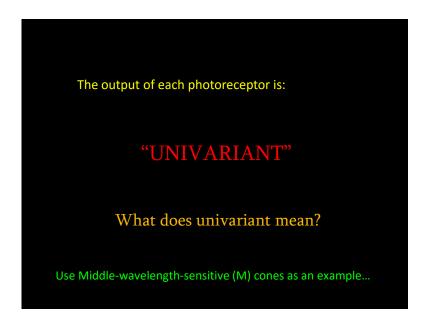
C = V V

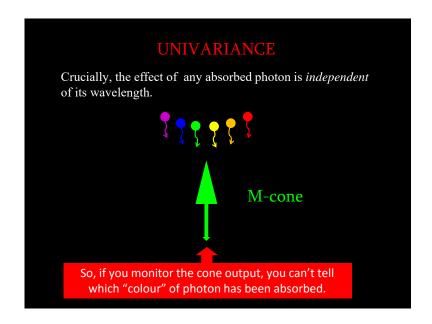


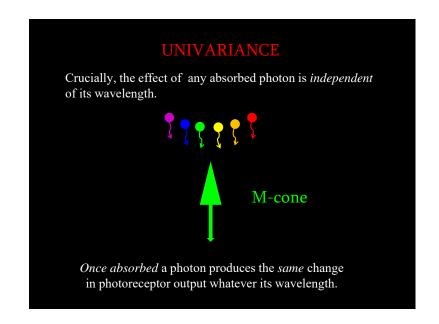


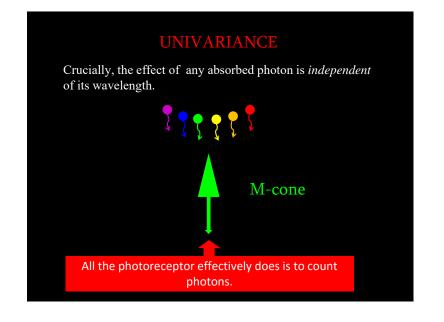




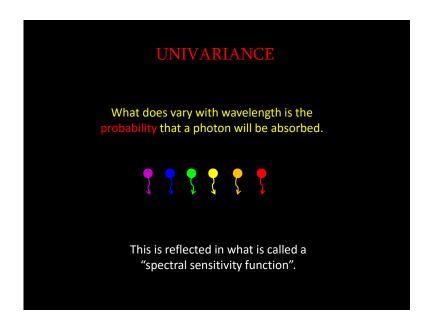


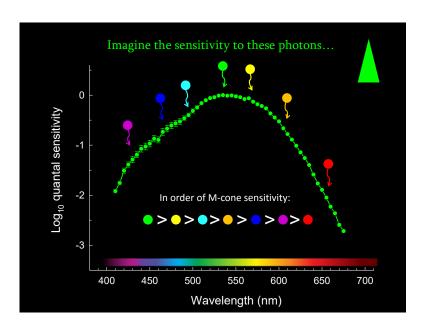


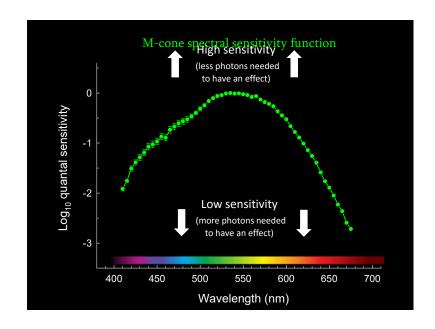


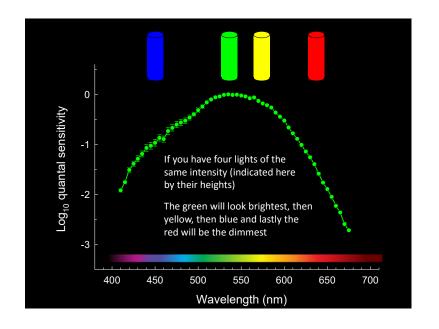


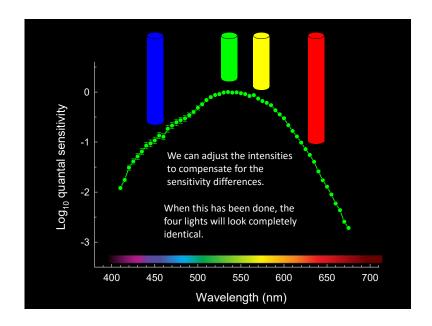
C = V C

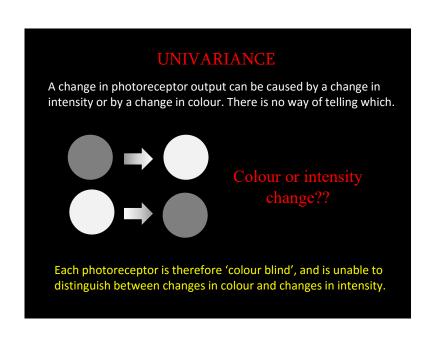


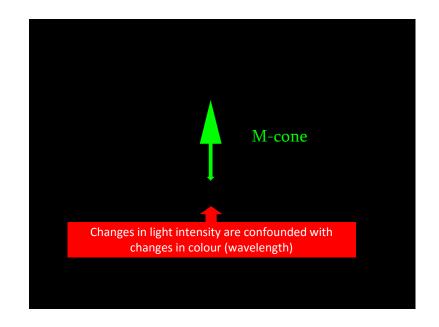


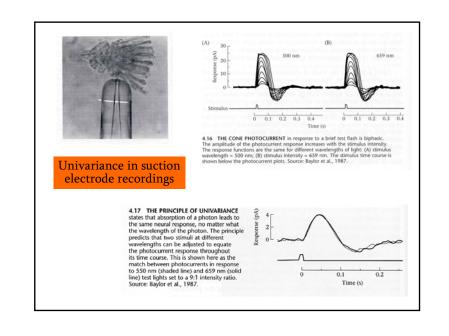








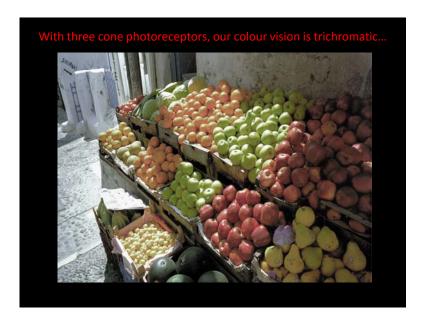




## Univariance

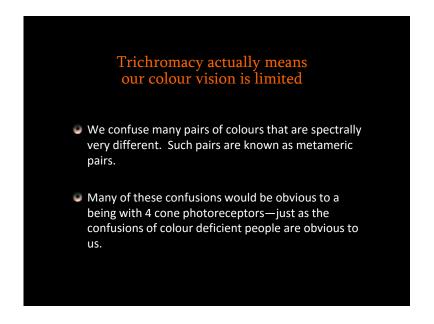
If a cone is *n* times less sensitive to light A than to light B, then if A is set to be *n* times brighter than B, the two lights will appear identical whatever their wavelengths.

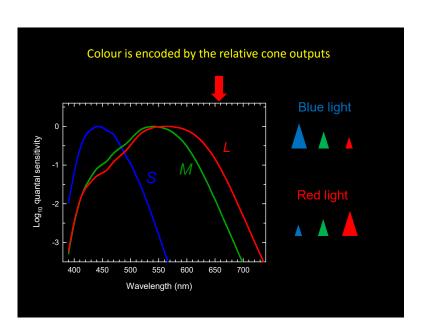


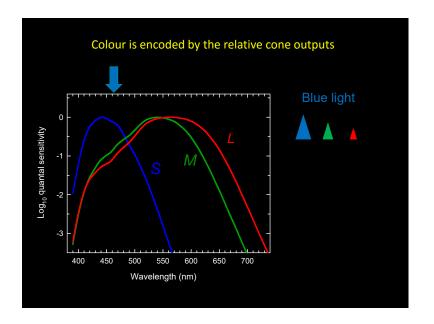


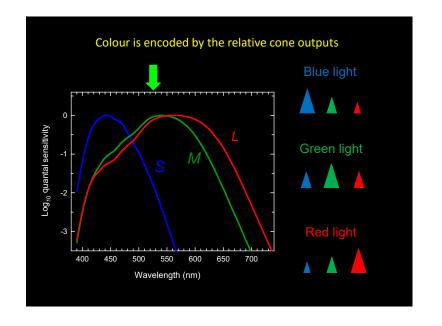
So, if each photoreceptor is colour-blind, how do we see colour?

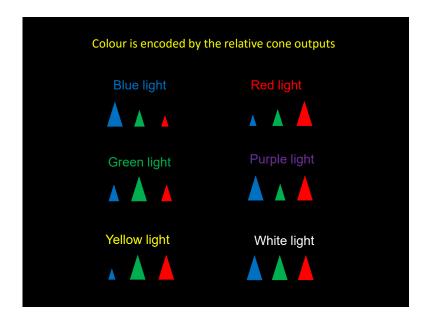
Or to put it another way: How is colour encoded?

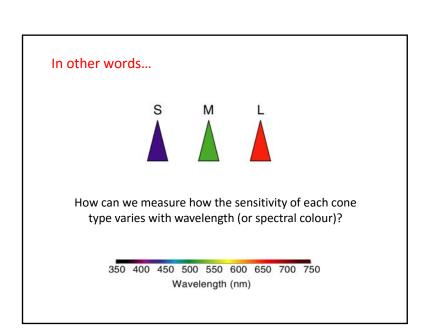


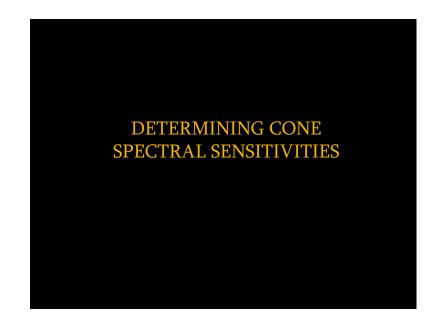


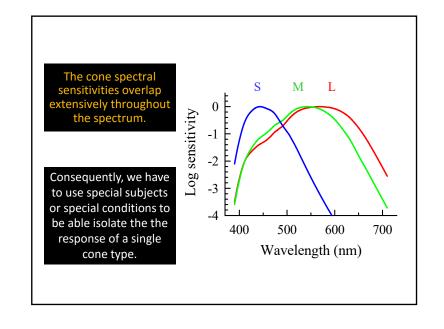




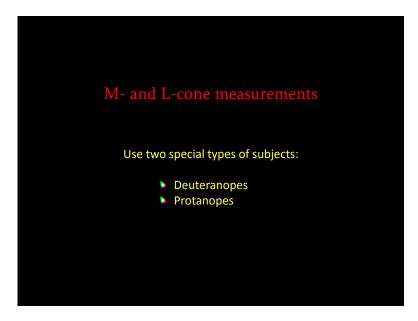


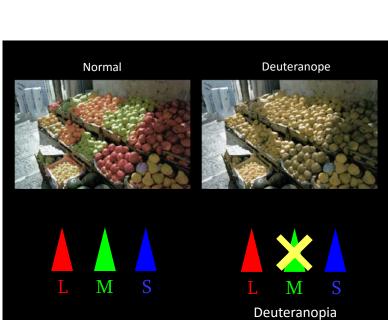


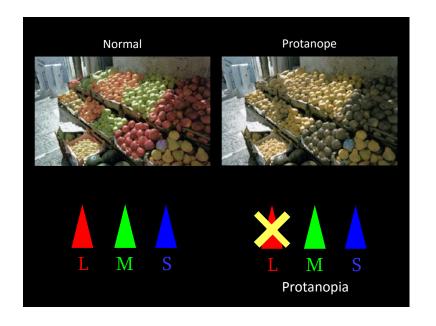


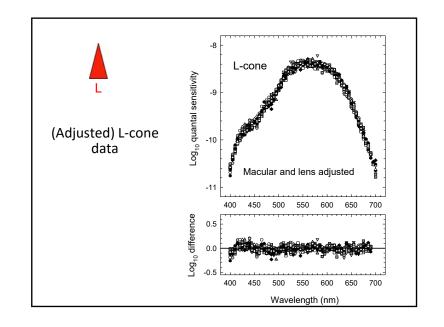


C = V

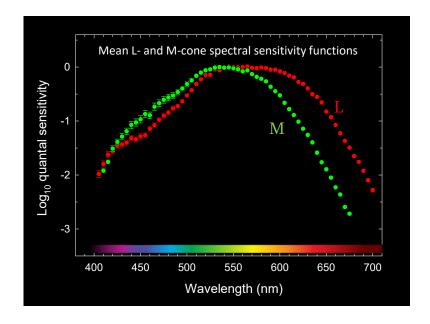


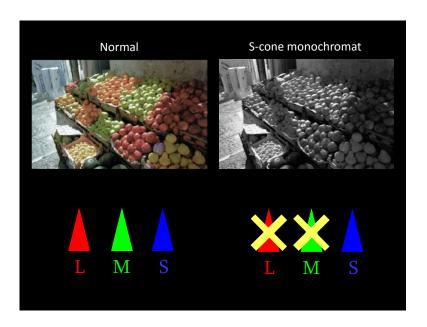


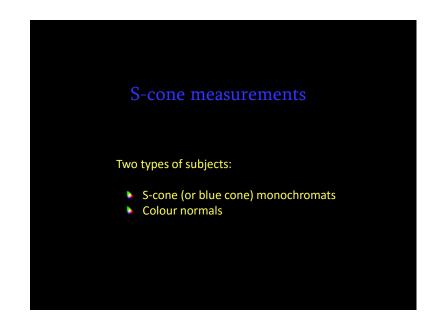


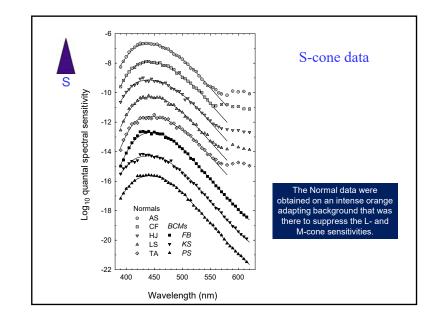


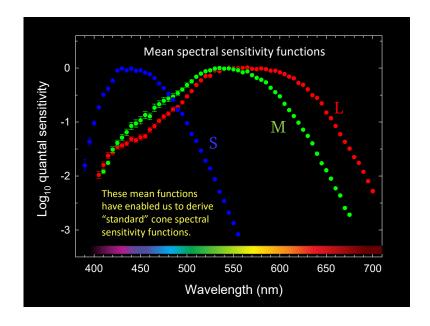
C = V V

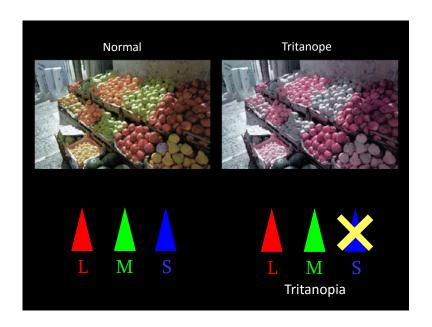




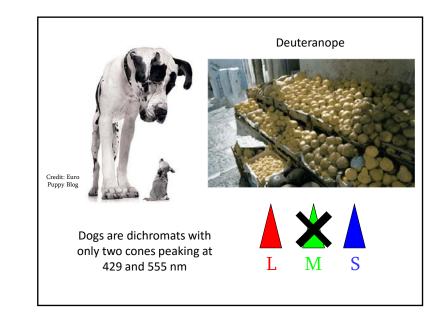


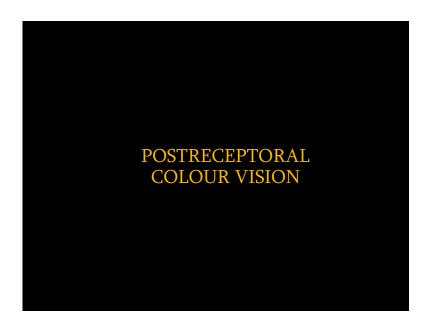


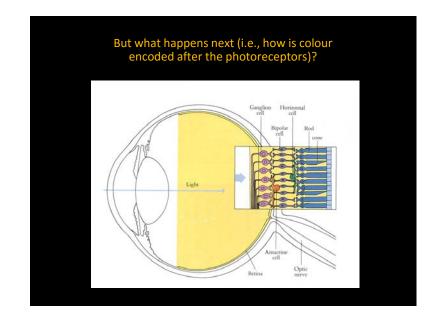


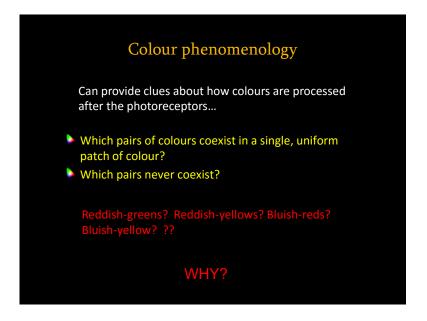


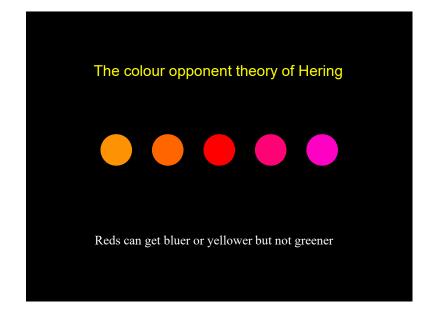
## Why study spectral sensitivities? A knowledge of the spectral sensitivities of the cones is important because it allows us to accurately and simply specify colours and to predict colour matches—for both colour normal and colour deficient people (and to understand the variability between individuals). Practical implications for colour printing, colour reproduction and colour technology.

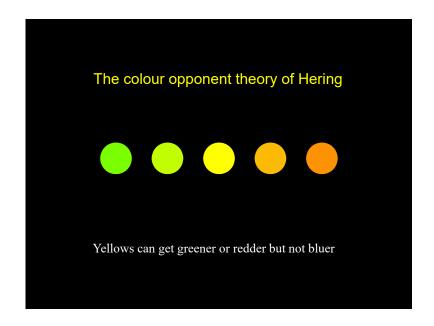


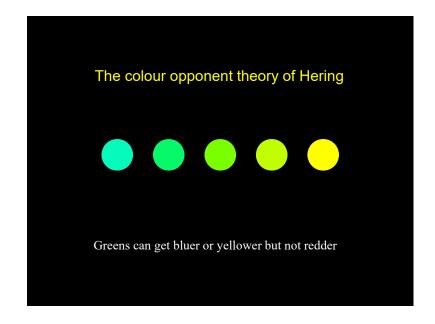


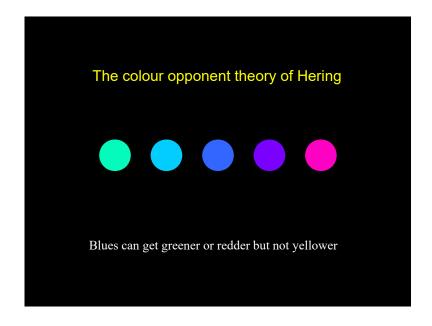


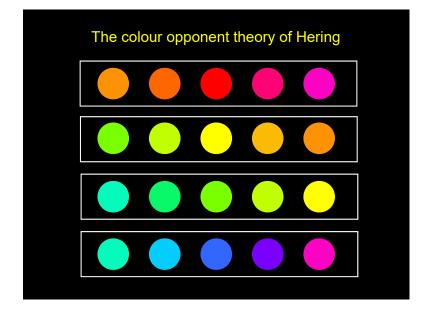


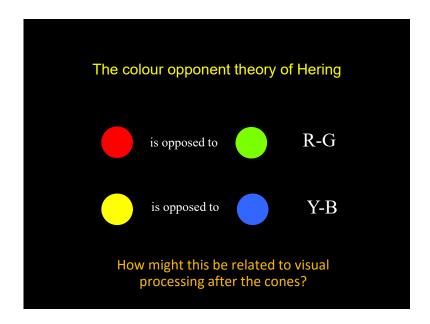


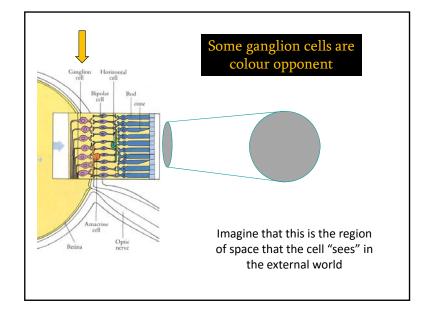


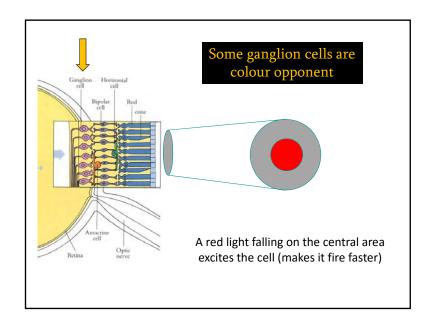


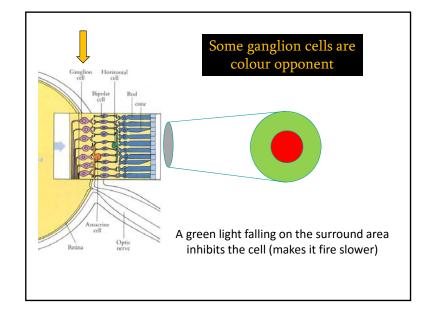


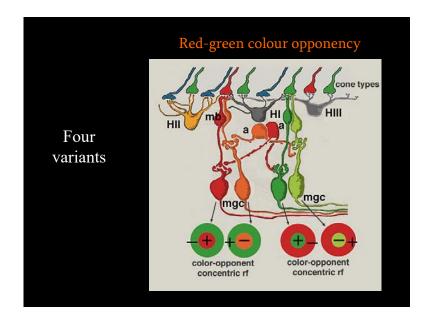


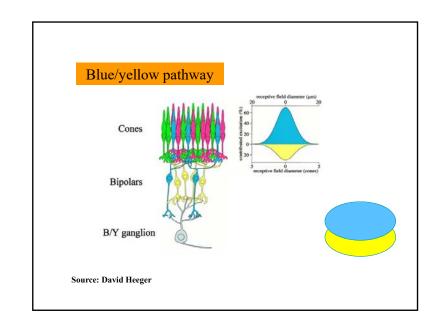


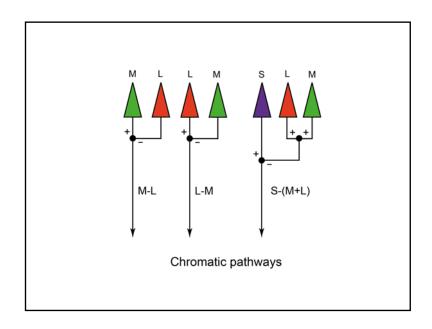


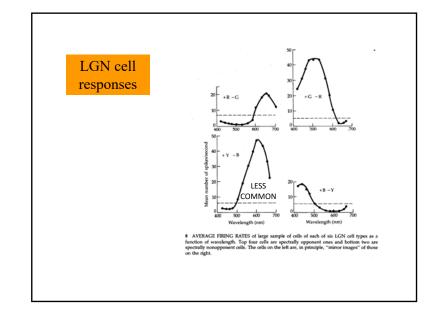


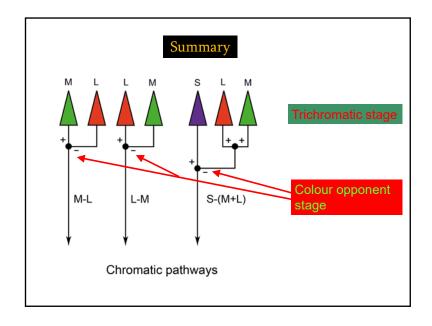


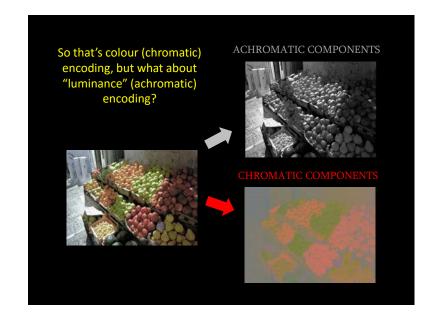


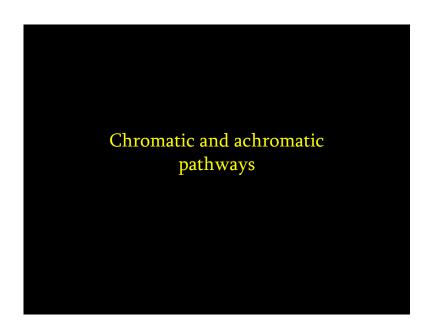


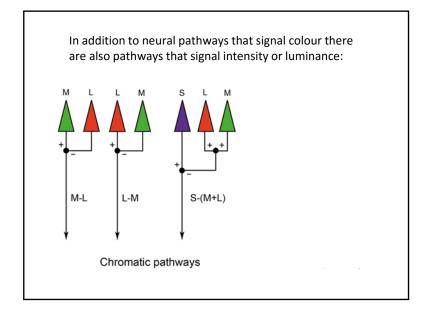


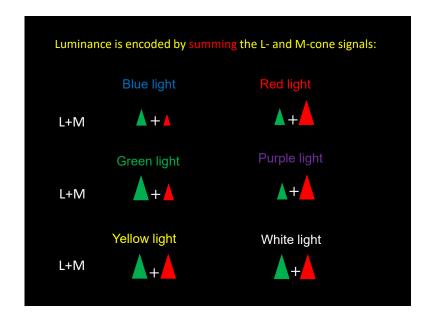






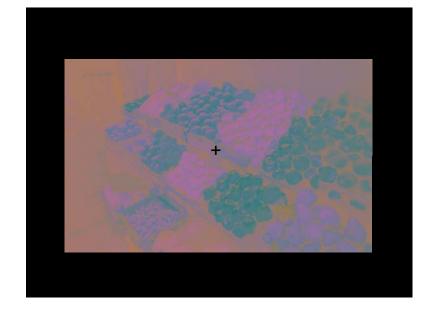




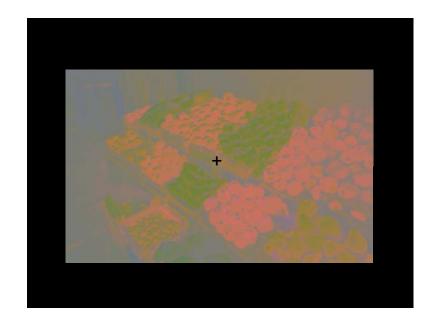




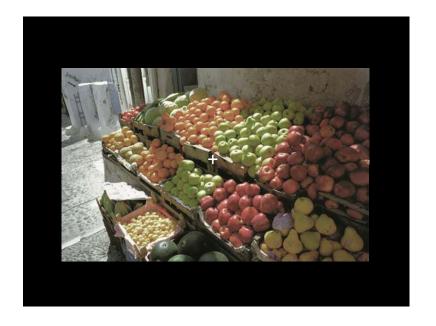


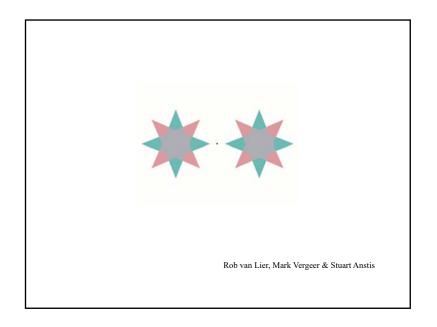


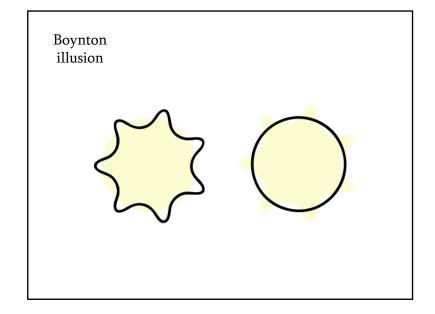


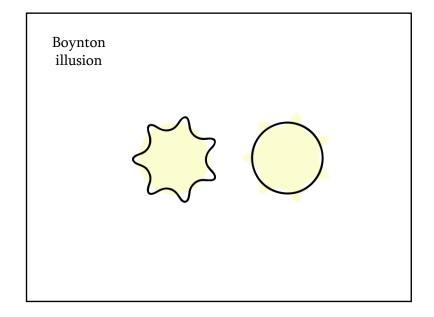


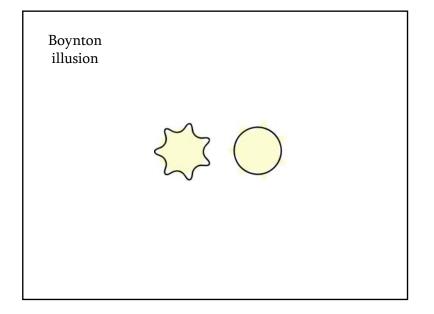


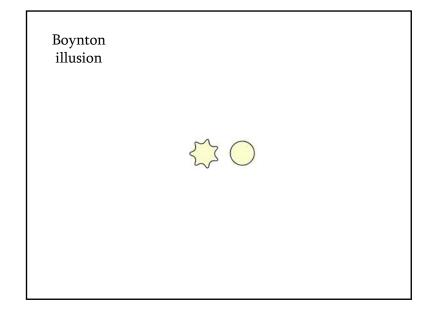


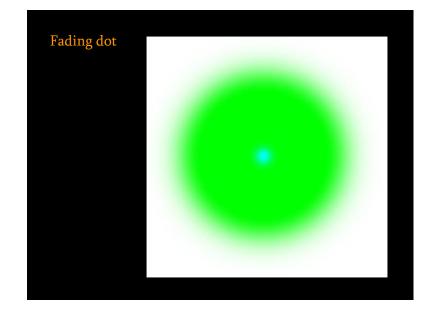


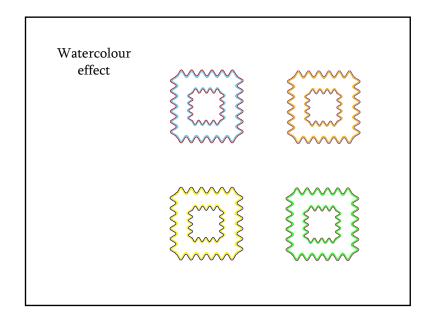


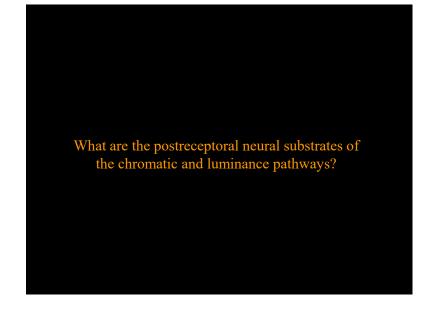




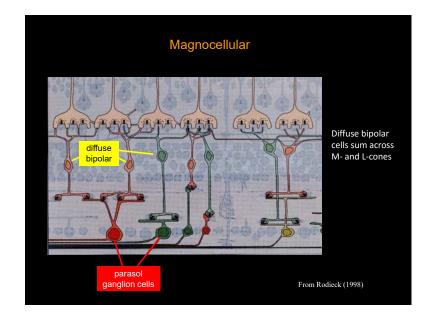




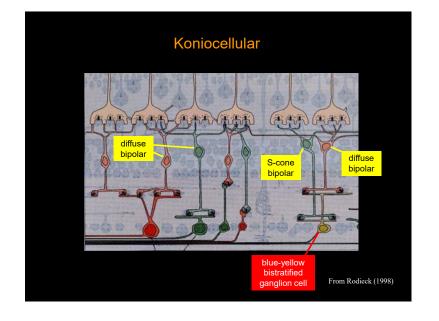




Luminance pathways, which produce achromatic (colourless) percepts, have been linked to the magnocellular stream.

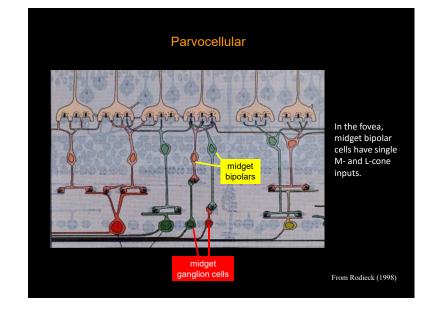


Chromatic pathways, which produce chromatic percepts, have been linked to the koniocellular stream for S-(L+M)...

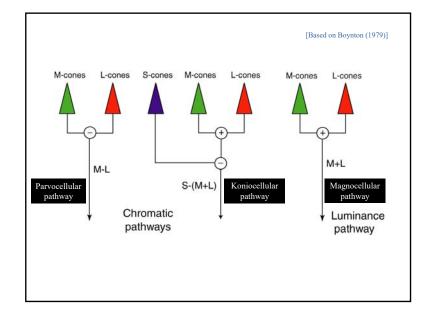


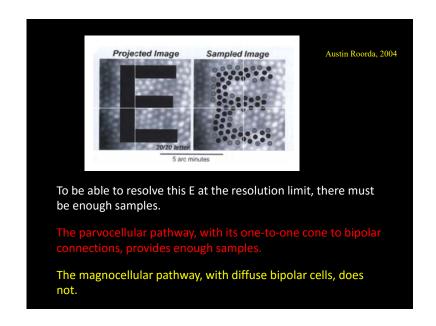
Chromatic pathways, which produce chromatic percepts, have been linked to the koniocellular stream for S-(L+M)...

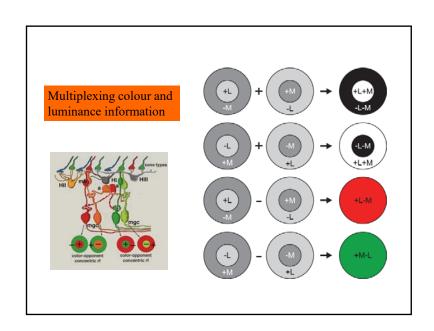
And also to the parvocellular retinal stream for L-M.

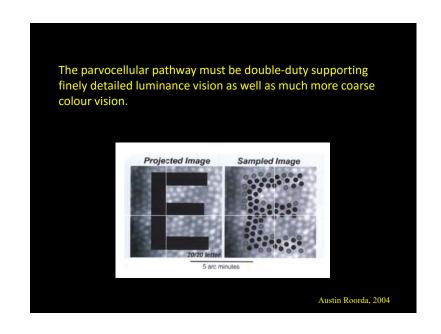


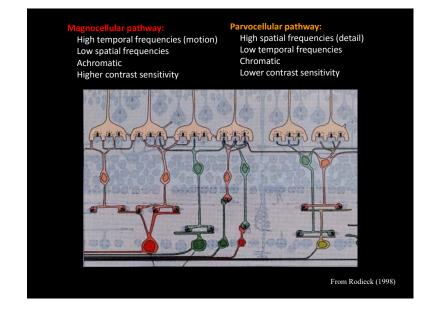
Although luminance pathways have been linked to the magnocellular stream, they must also depend on the parvocellular stream.

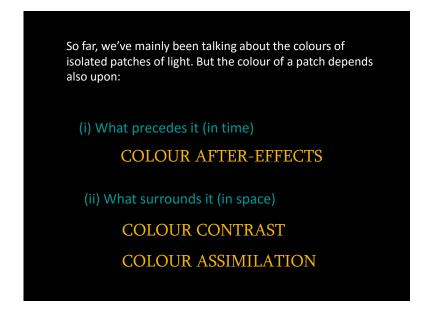




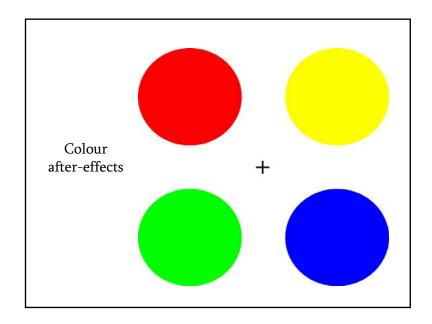


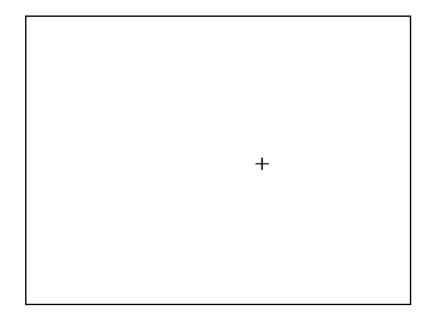




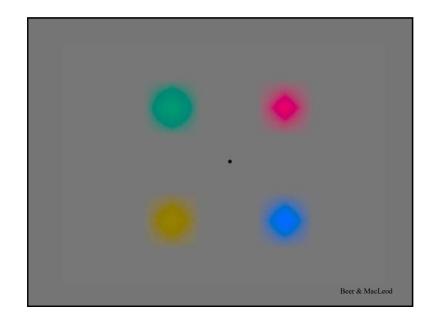








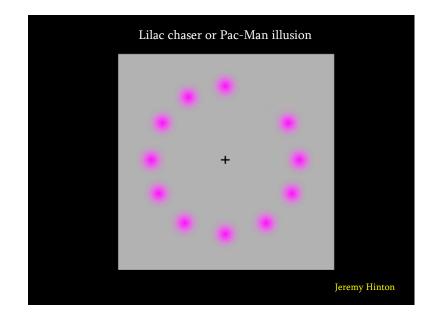




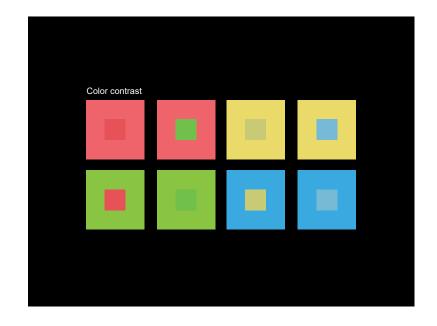


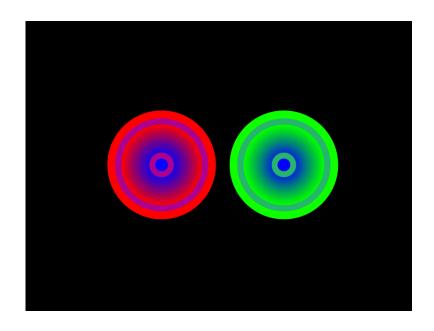


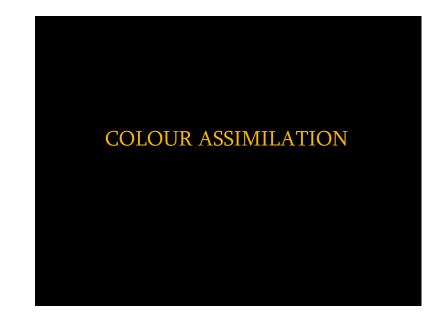


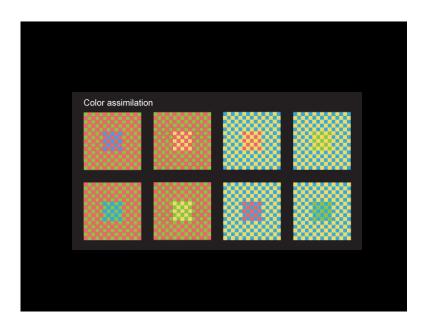


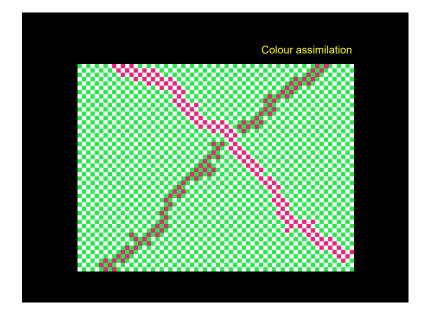


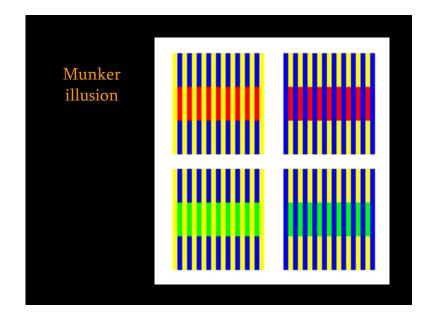






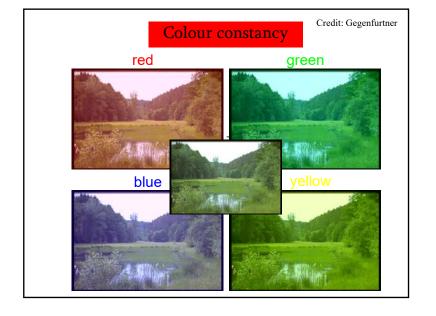


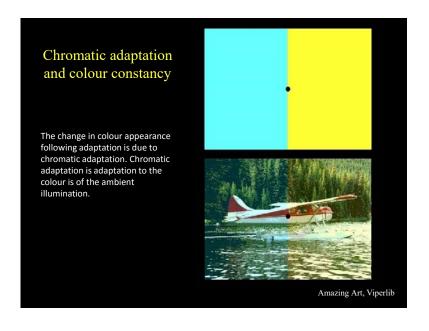


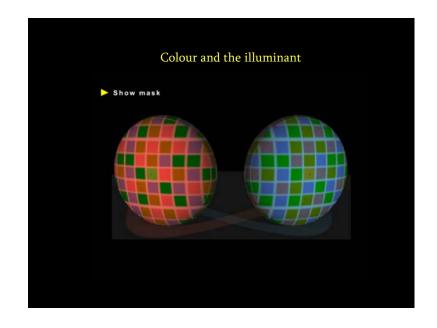


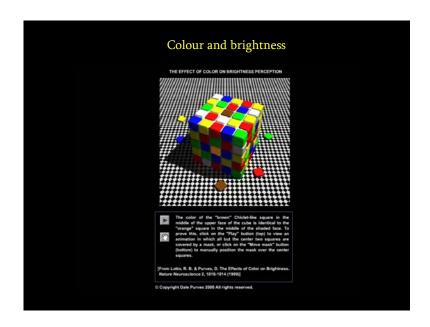


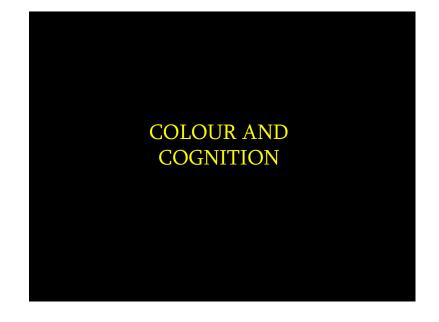


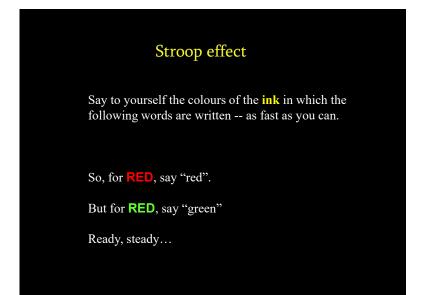




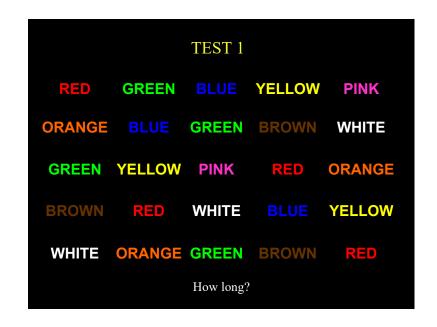


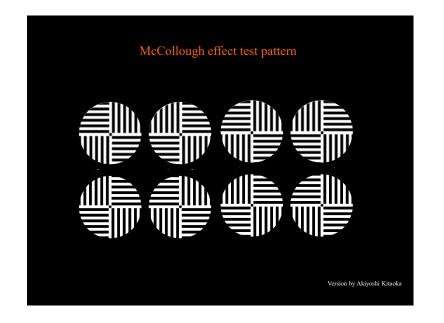




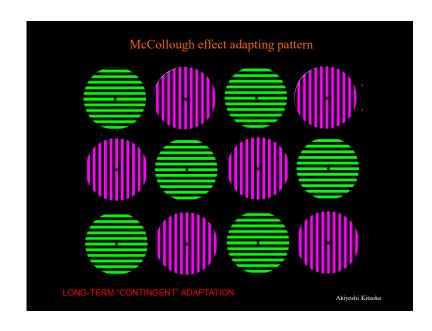


TEST 2				
BLUE	PINK		RED	BROWN
BROWN		BLUE	GREEN	ORANGE
YELLOW	BLUE	RED	ORANGE	WHITE
BROWN	RED	GREEN		RED
RED	PINK	BLUE	GREEN	WHITE
How long?				

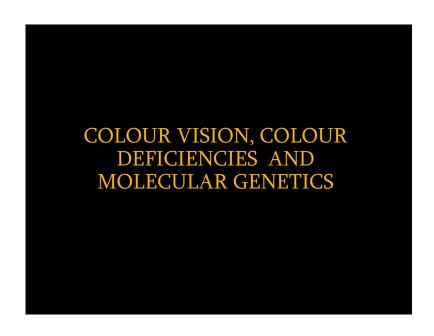


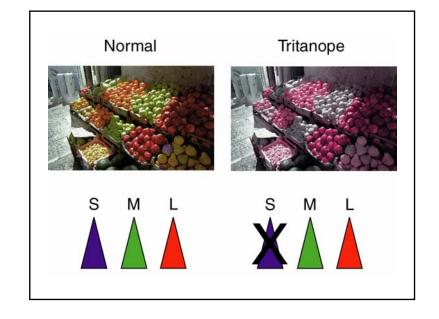


 $C = V^{r}$ :

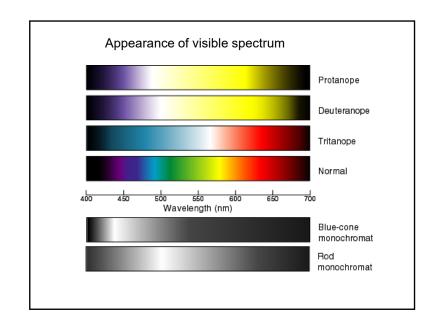


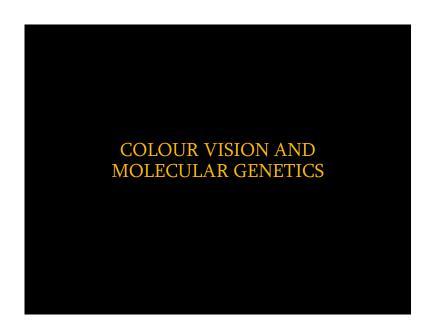




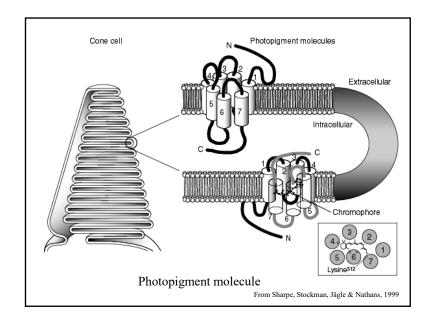


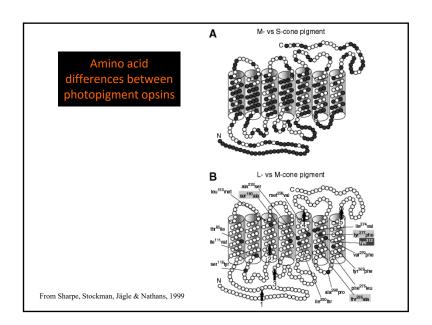


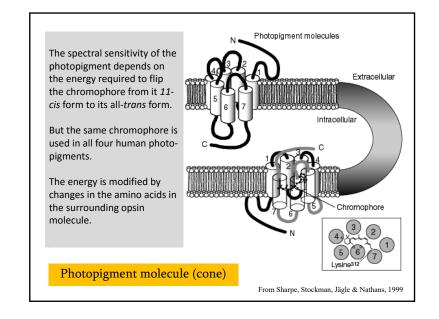


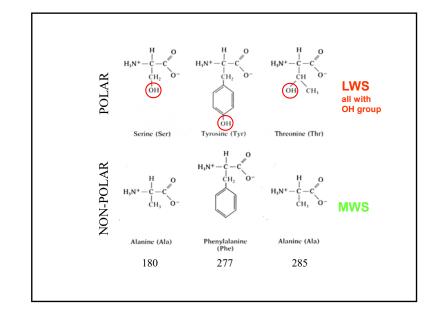


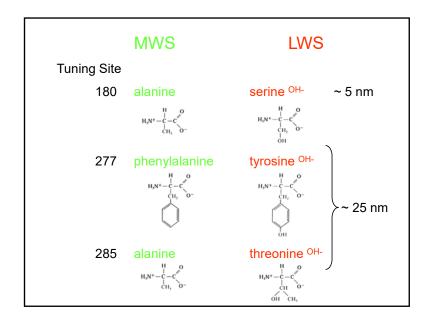


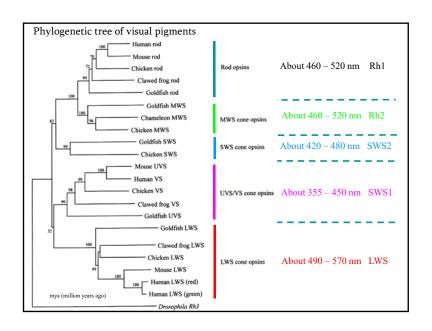


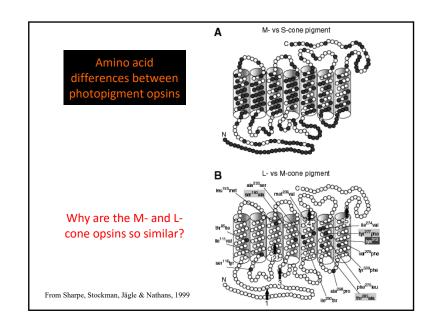


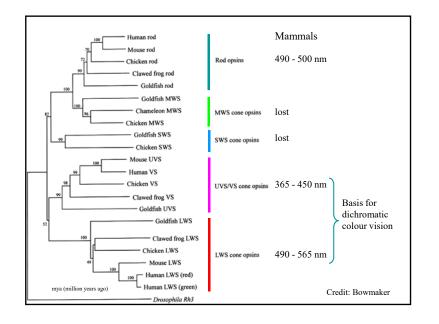


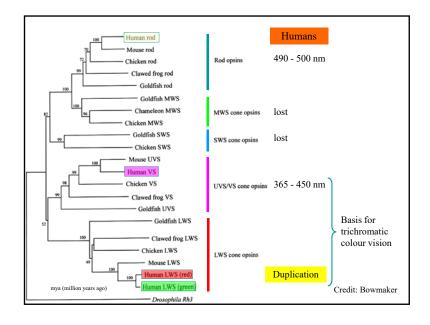


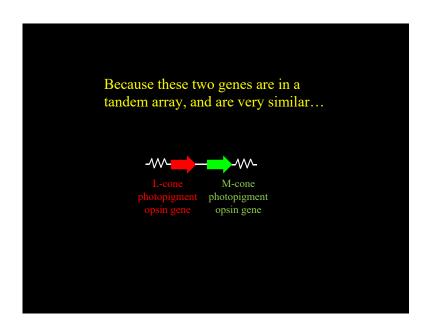


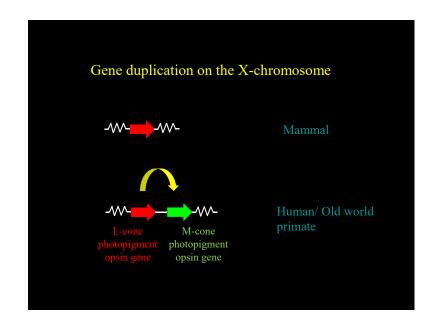


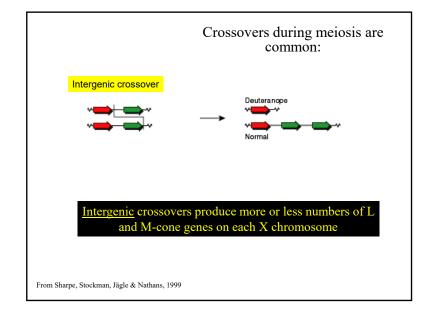




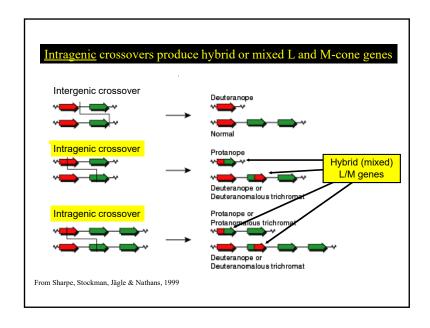


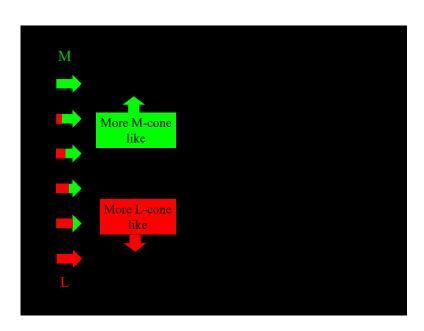


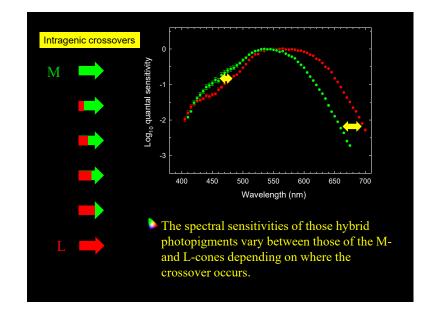


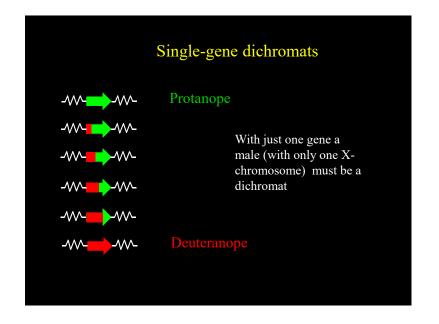


C = V'









 $C = V^{r}$ 

