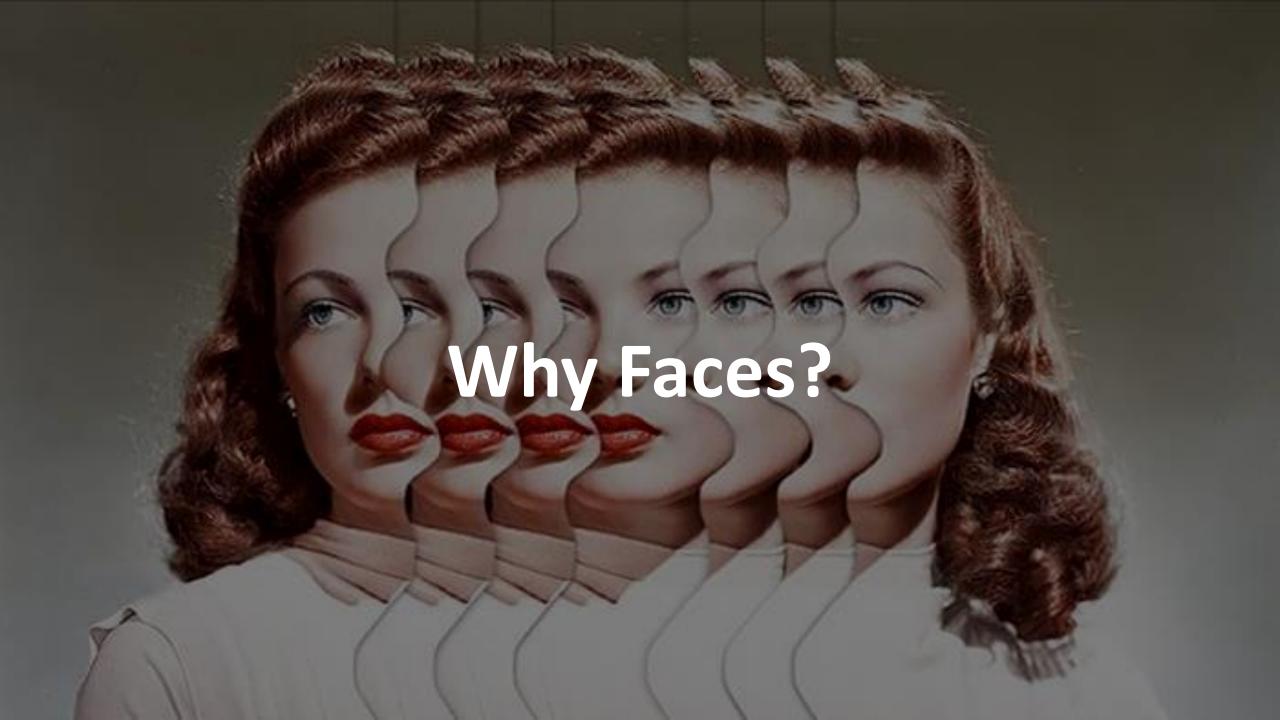
The Effect of Orientation-Specific Adaptation on Face Recognition

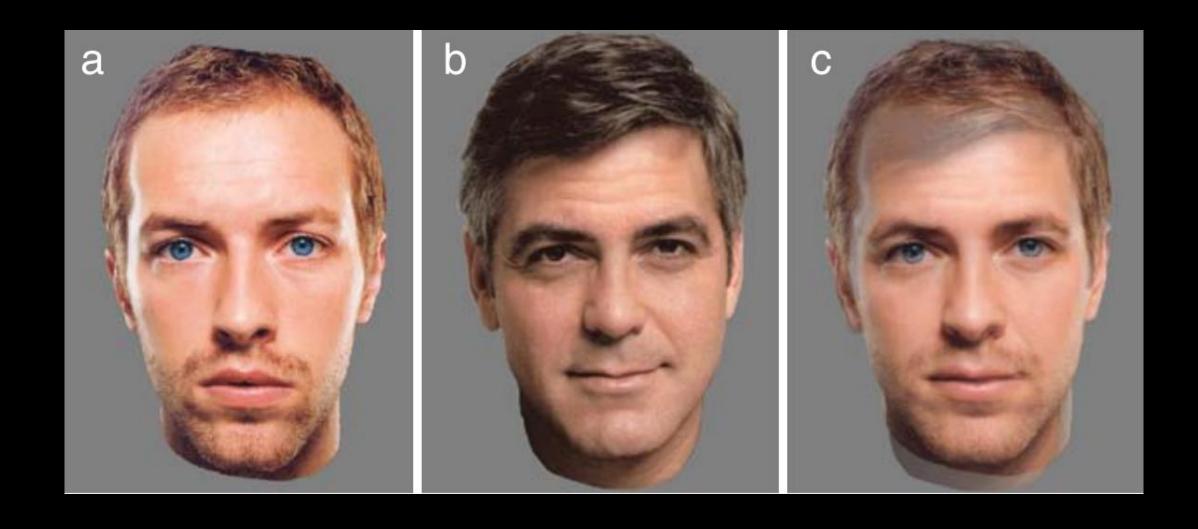
Emily Cruikshank and Dr. Nicole Anderson



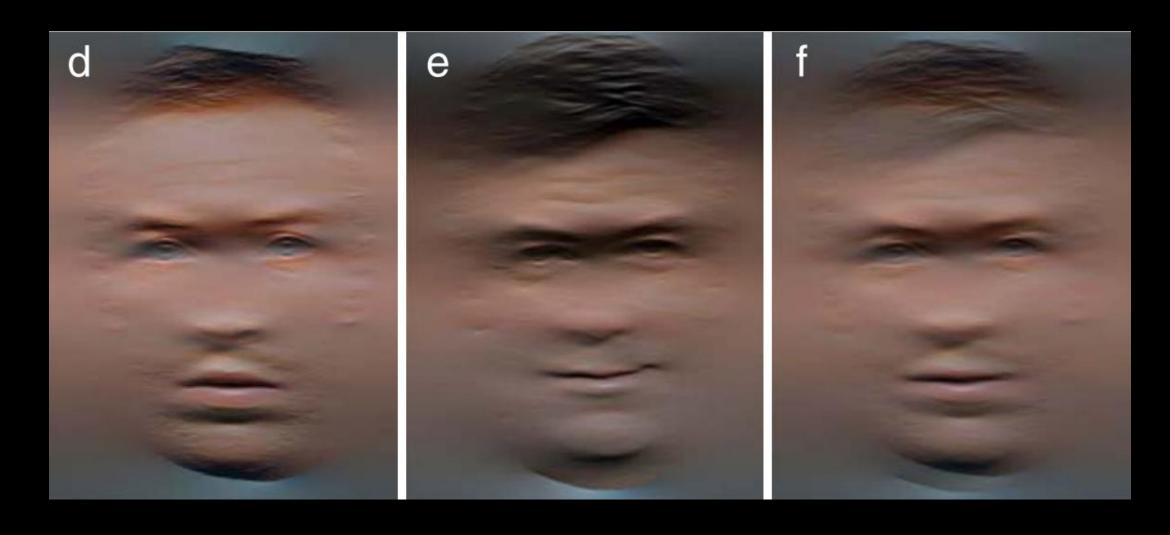




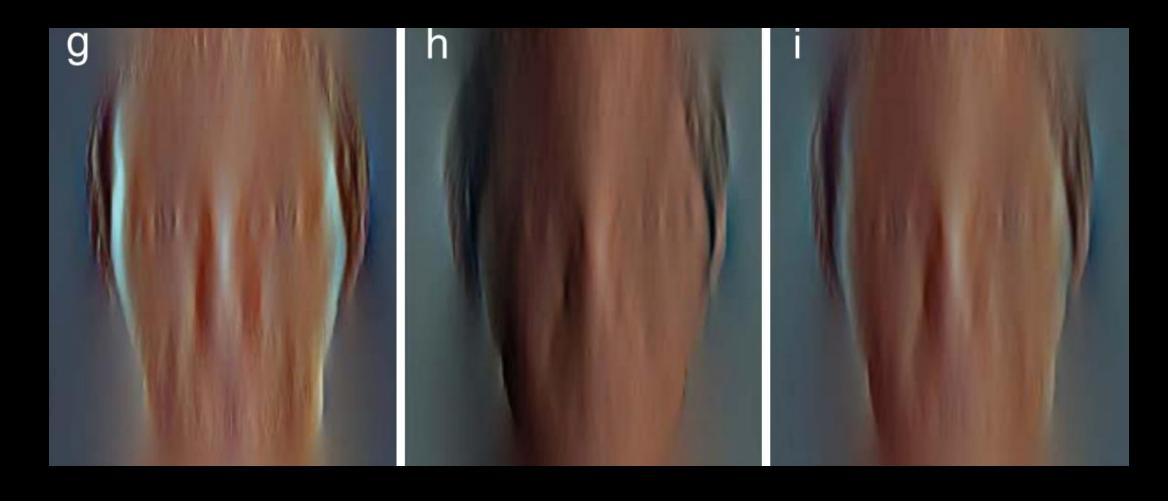
Dakin & Watt (2009)



Dakin & Watt (2009)



Dakin & Watt (2009)



Perception controlled by neurons

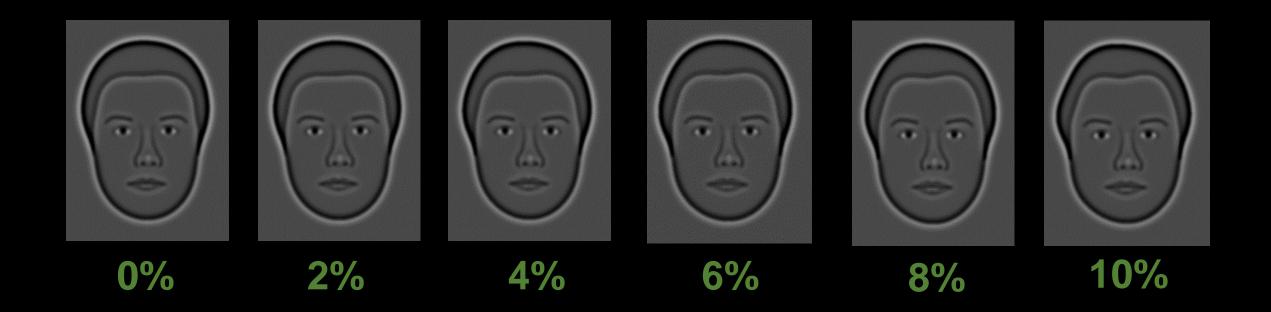
Visual Adaptation

Faces are special

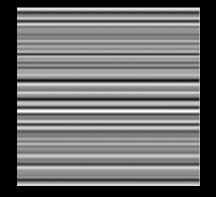
Face Info in Horizontal Bands

Our Experiment

Experiment 1



Adapting Stage



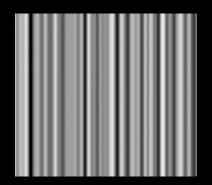
Horizontal Adaptation (1 min)

Adaptation (5 sec)

Vertical

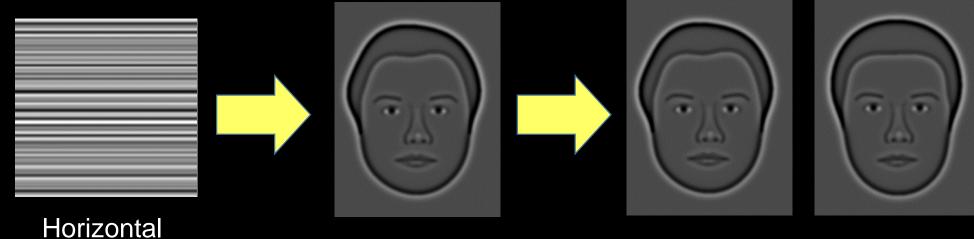
Adaptation

(5 sec)

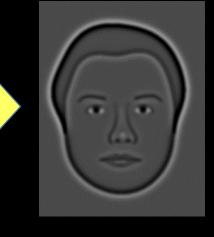


Vertical Adaptation (1 min)

Testing Stage



Test Stimulus

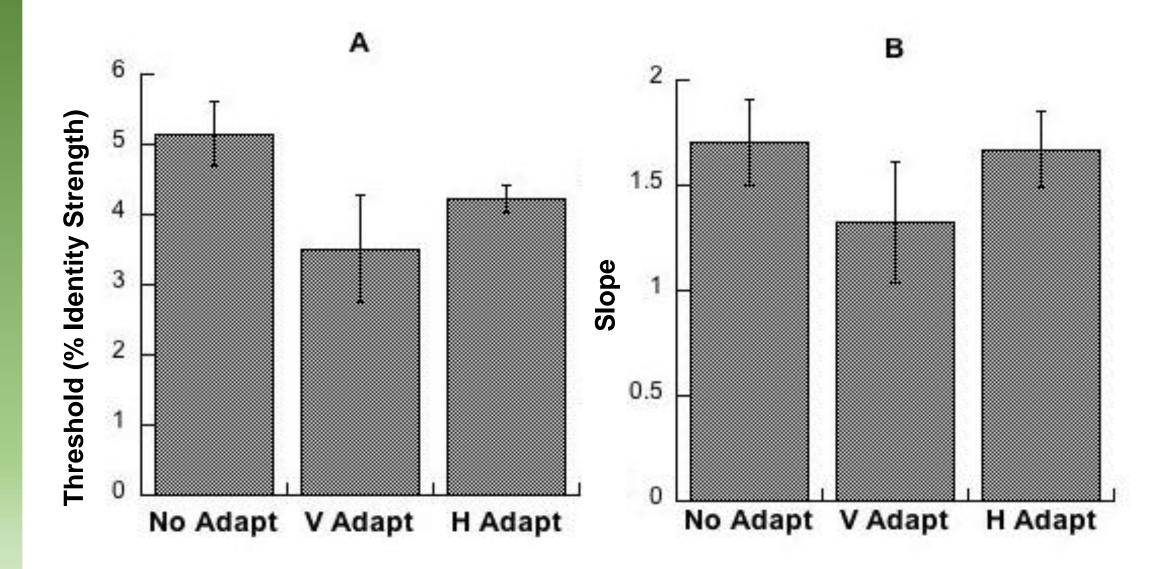


Test Stimulus

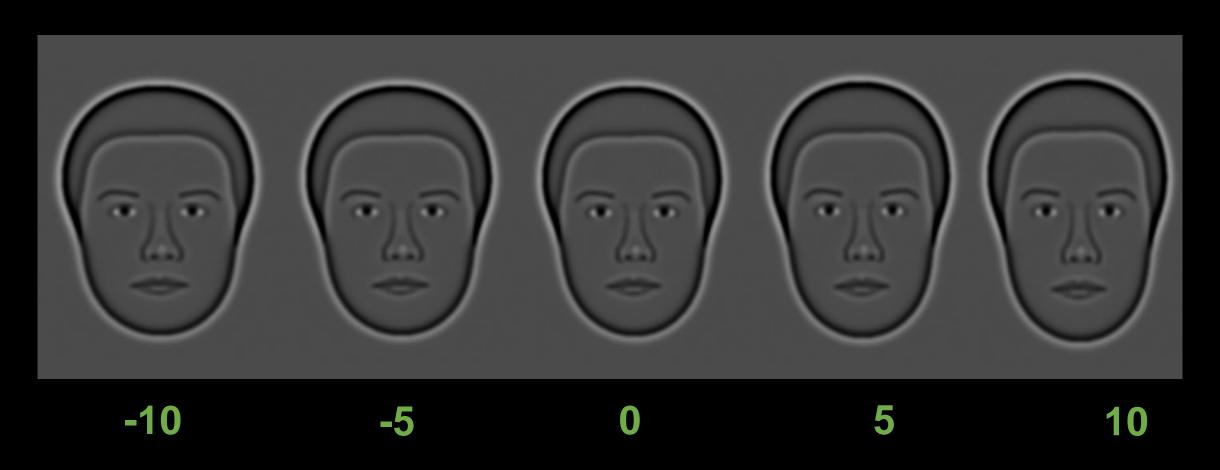


Which face was the target?

Which face was the target?

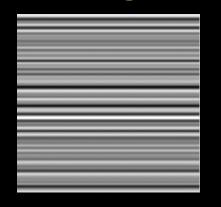


Experiment 2

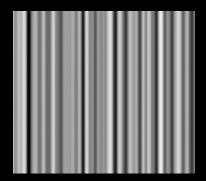


Pixel Stretch

Adapting Stage

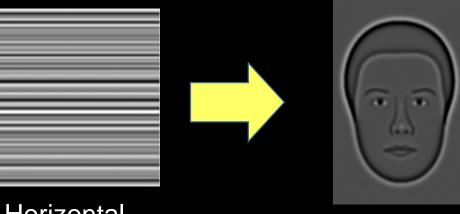


Horizontal Adaptation (1 min)



Vertical Adaptation (1 min)

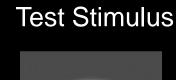
Testing Stage







Vertical Adaptation (5 sec)





Test Stimulus

