

Impressions from Gordon

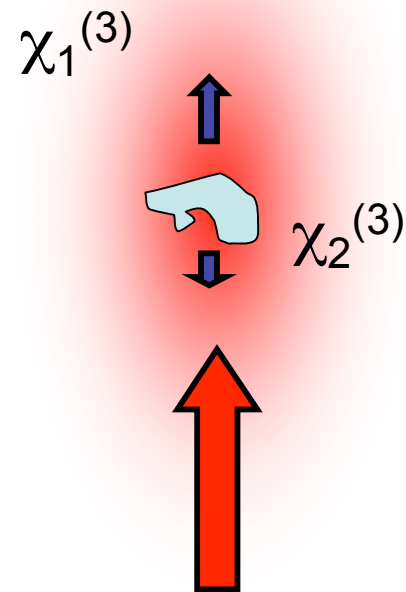
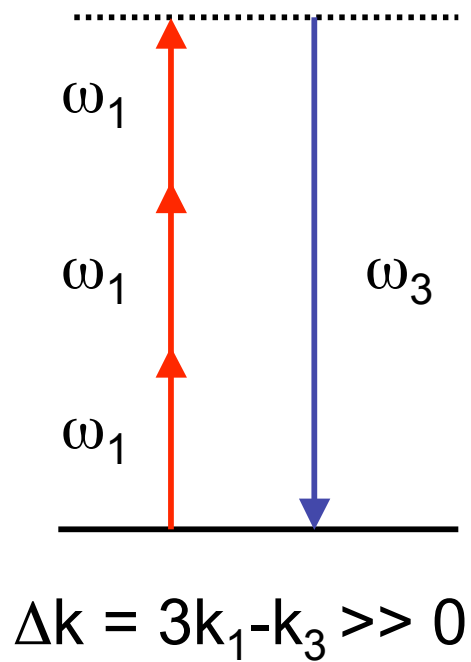


Third Harmonic Generation



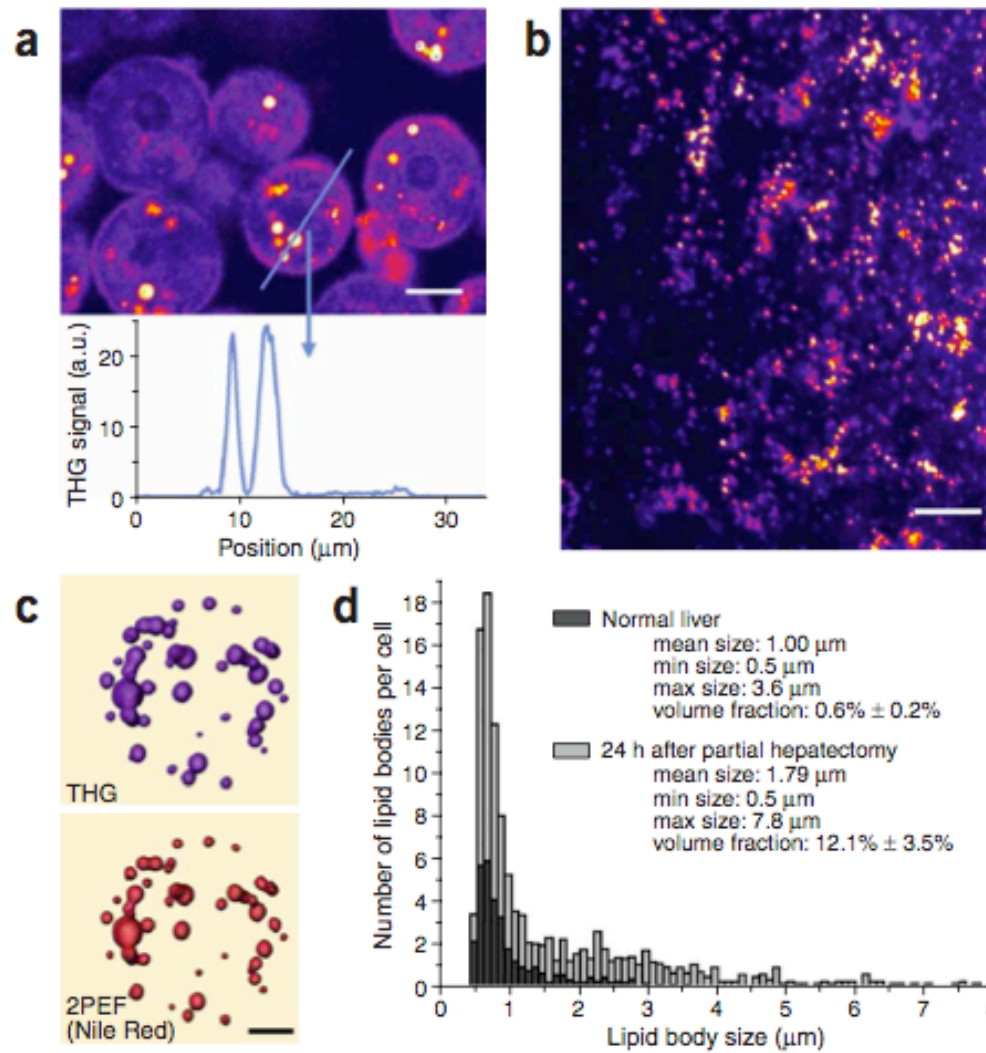
Emmanuel Beurepaire

Ecole Polytechnique, France

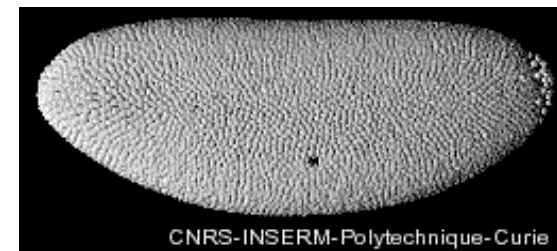
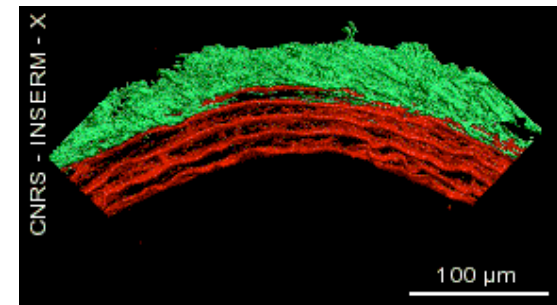
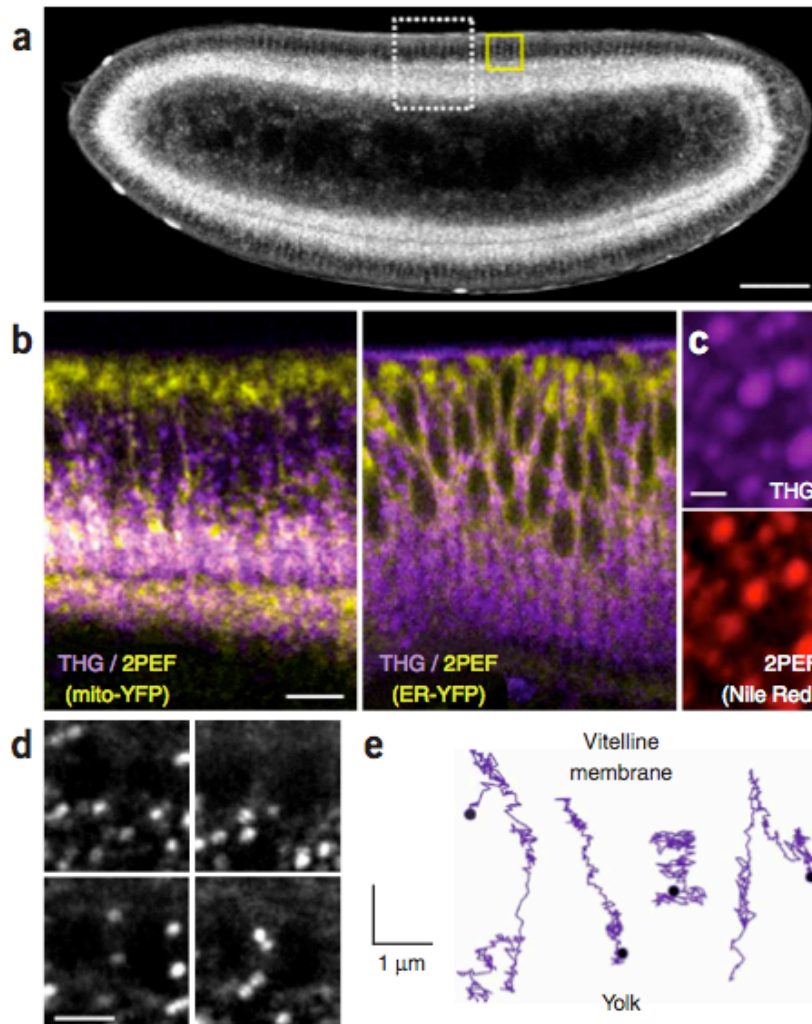


sub- μm differences in $\text{Re}\{\chi^{(3)}\}$

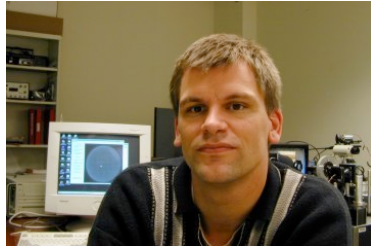
Seeing Lipid Droplets



Embryonic Imaging

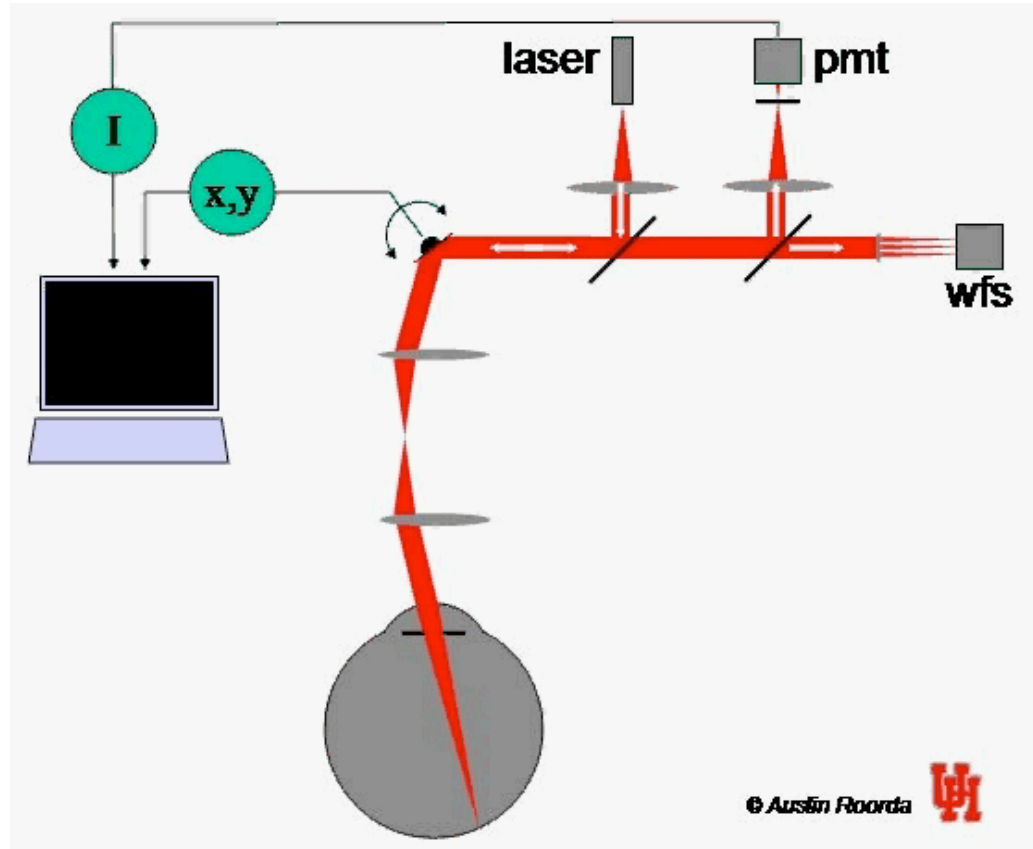


Confocal Microscopy of Retina

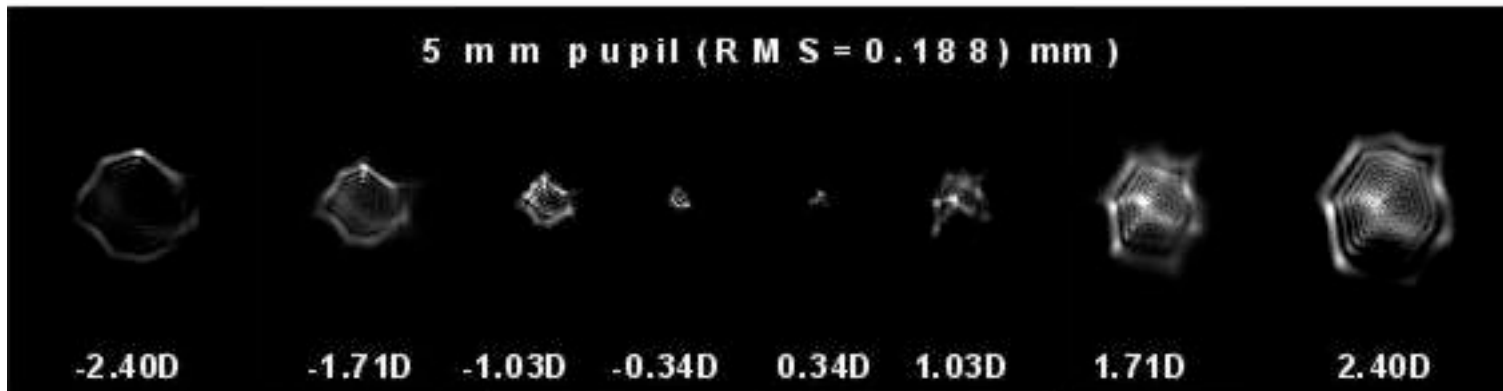
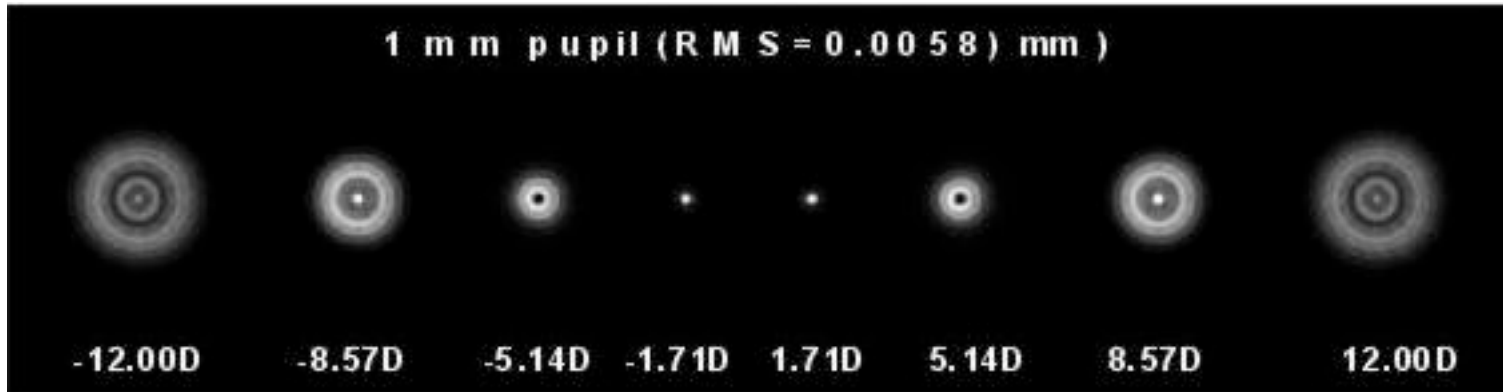


Austin Roorda

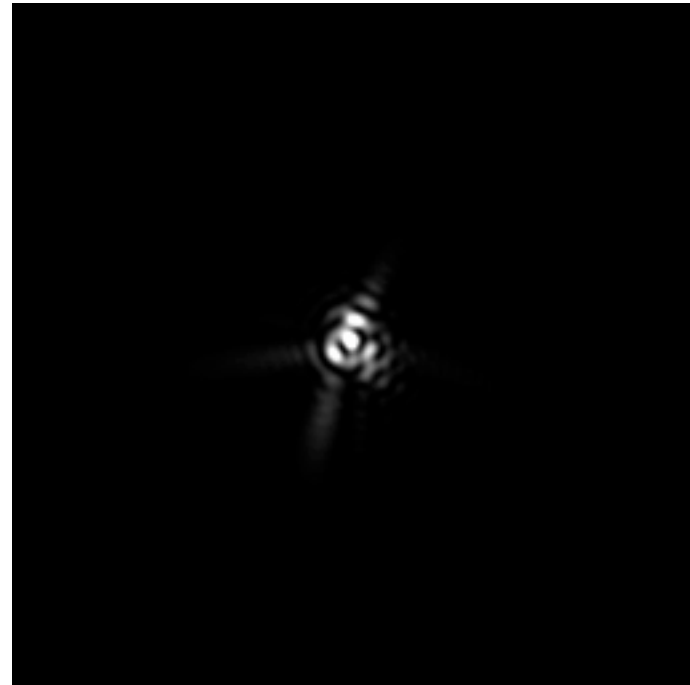
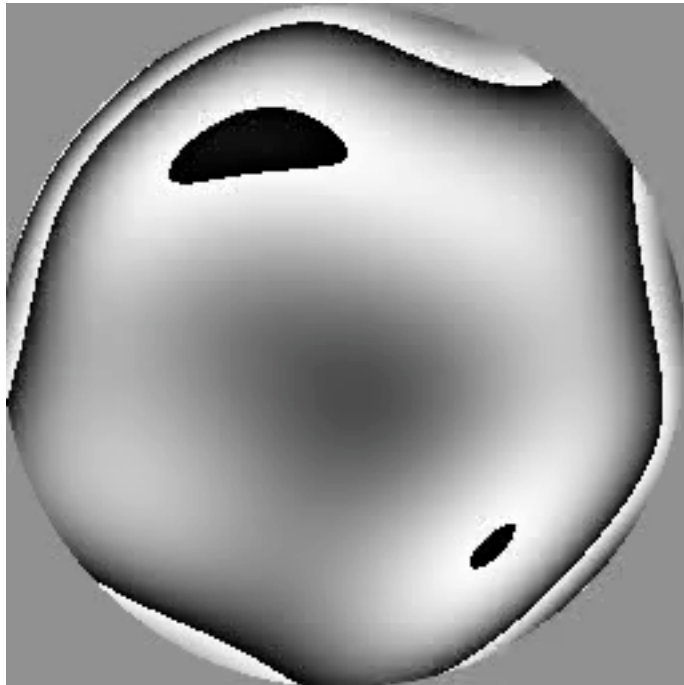
UC Berkeley



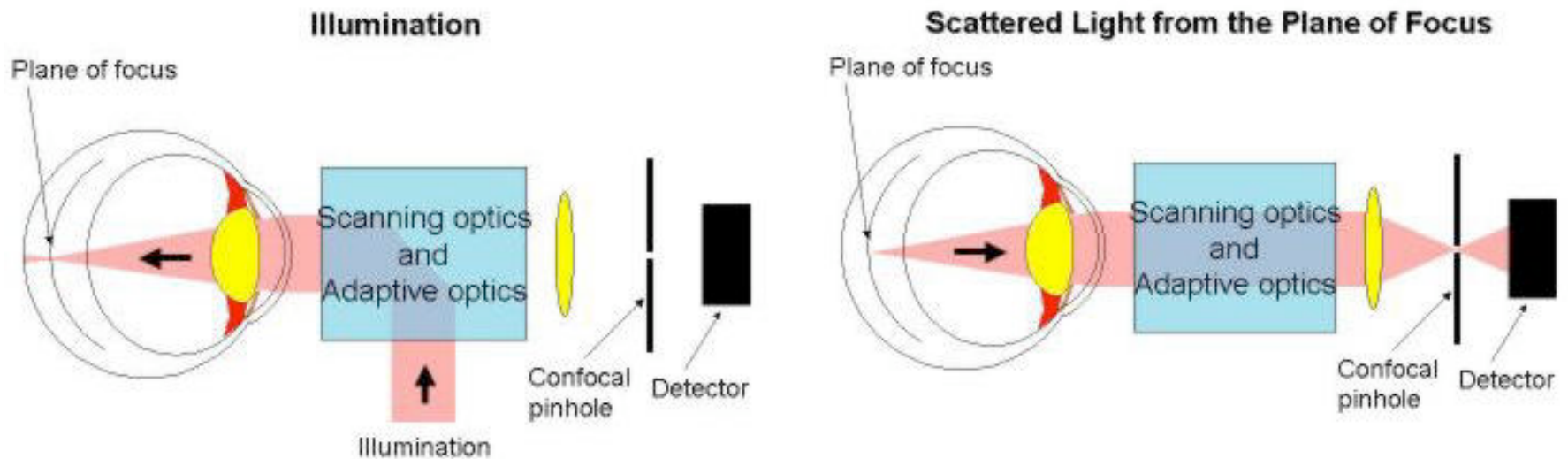
Aberrations



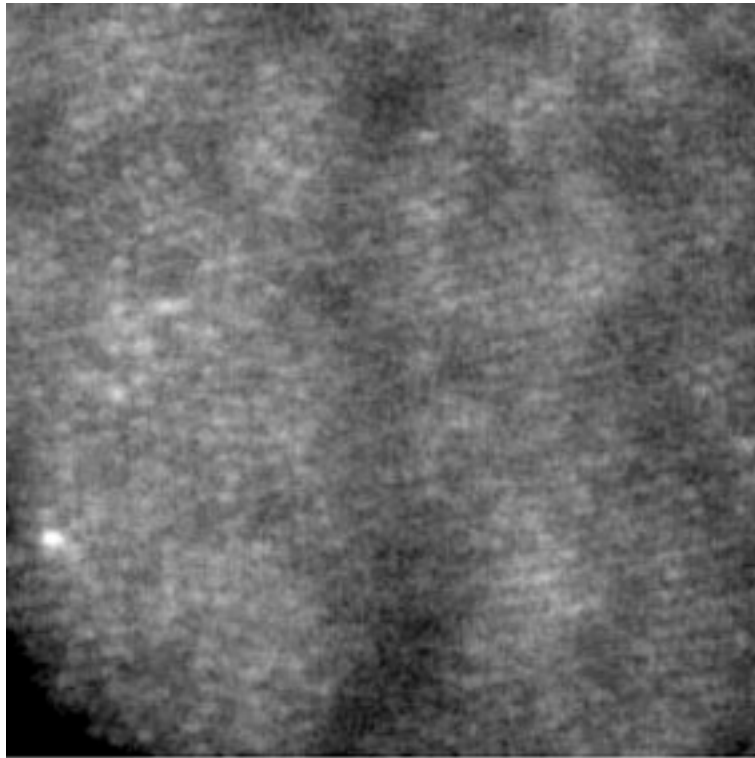
Wavefront correction



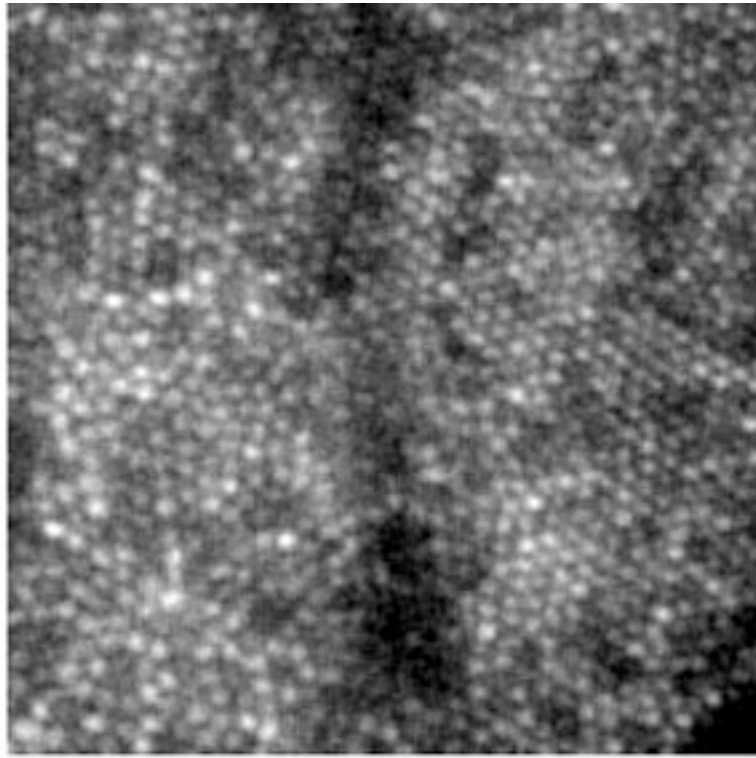
Adaptive Optics



Retinal Imaging



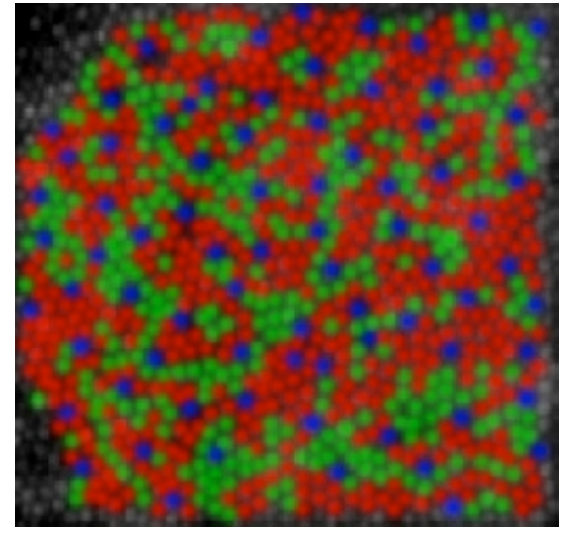
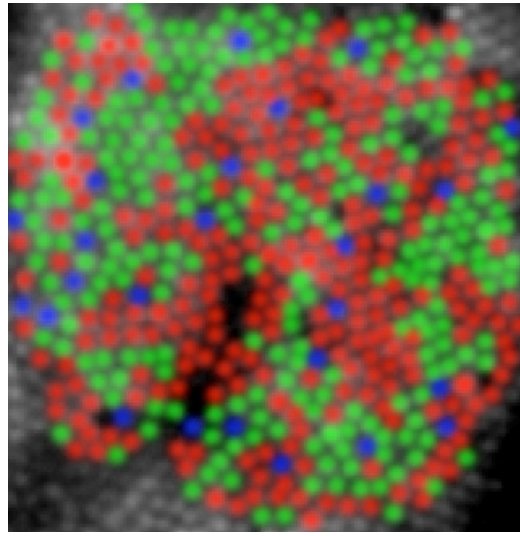
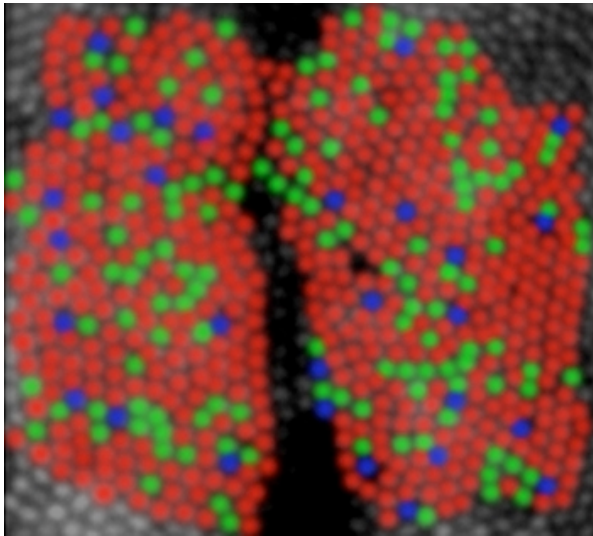
Without Compensation



With Adaptive Compensation

5 arcmin

Retinal Imaging



Video-rate retinal imaging

**Photoreceptors
and
Blood Flow**

AR OS 02/05/02