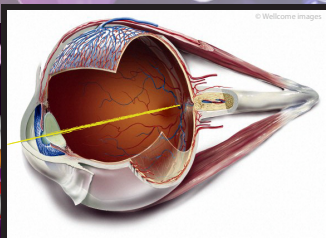
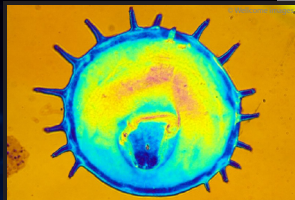


# Photonic Integration for BioPhotonics

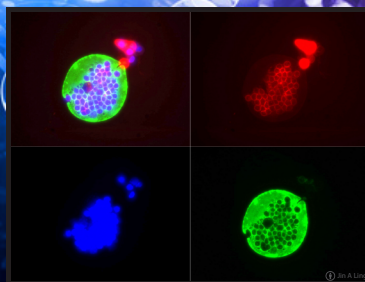
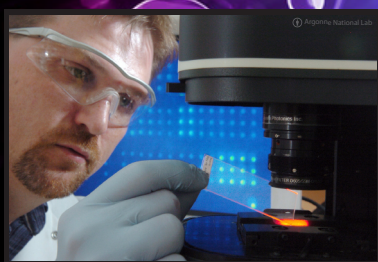
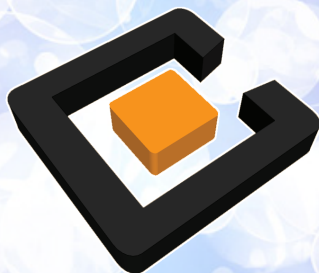
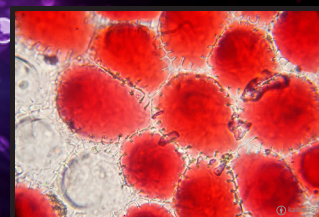
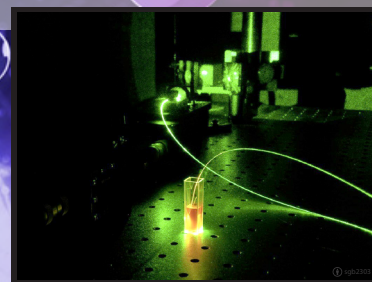
## Medical Instrumentation

Confocal and multiphoton imaging  
Fluorescence for DNA Sequencers  
Optical coherence tomography  
Respiratory gas monitors  
Raman Spectroscopy  
Glucose monitors  
Flow Cytometry



## Photonic Lab-on-a-Chip

Rapid and automated analysis  
of small sample volumes  
In-vitro and in-vivo monitoring  
Implantable biofluoroimaging  
Digital electrowetting  
Drug discovery



Immunoassays  
Raman Scattering  
Veterinary diagnosis  
Refractive index change  
Proteomics and genomics  
Evanescent wave detection  
Surface plasmon resonance

## Analytics and Diagnostics

PH changes  
Fluorescence  
Phosphorescence  
Colorimetric probes  
Chemiluminescence  
Metabolites monitoring  
Photonic sensor networks  
Photosynthesis measurements  
Monitoring of environmental toxins  
Global carbon and hydrological cycles  
Greenhouse and trace gases monitoring

## Optical Biosensors

