

# Ultrahigh Resolution Imaging of the Retina in Eyes with Diabetes Mellitus



**Purpose** To better understand the extent of changes at the back of the eye (retina) that are associated with diabetes by using high resolution cameras that enable visualization of individual cells. Our goal is to see if we can detect diabetic changes in the retina at much earlier time point than has been possible by conventional techniques for earlier intervention and improved treatment options and prognosis.

## Who Can Participate

18-50 year-old diabetic individuals with and without diabetic eye disease

18-50 year-old non-diabetic individuals without any form of eye disease with 20/20 vision (with or without glasses / contact lenses)

## Benefits

- Receive \$20 per hour for your participation and effort in the study

- Receive a parking pass for the study session at the college of optometry

## What Will Happen:

- There will be 2-3 separate study sessions, each session lasting approximately 2 hours.
- Various clinical testing as in eye doctor's office will be done in the first session and in the following session(s), high resolution retinal imaging and detailed functional test will be done to visualize individual cells at the back of your eye and measure their function respectively.
- Pupil dilation is required for the second/third session(s).



**Contact Information**



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF OPTOMETRY