WYPL-FM Memphis, TN “Eye on Vision” episodes Q2 2022
April 3, 2022

Guest 1
Chris Danielsen, director of public relations, National Federation of the Blind (Baltimore, MD)
Topic
Inaccessibility of at-home COVID-19 tests and NFB's web page for COVID home test information

Guest 2
Dr. Wei Li, senior investigator of the Retinal Neurophysiology Section at the National Eye Institute (Bethesda, MD)
Topic
Mitochondria in photoreceptors act as microlenses, concentrating light onto the photoreceptors' outer segments

April 10, 2022

Guest 1
Dr. Glenn Yiu, associate professor of ophthalmology, University of California-Davis Health (Davis, CA)
Topic
How consuming dried goji berries could provide protection against age-related macular degeneration

Guest 2
Dr. Vikki Weake, associate professor of biochemistry, Purdue University (West Lafayette, IN)
Topic
How circadian rhythms in fruit flies have a large impact on retinal health

April 17, 2022

Guest 1
Dr. Richard Normann, distinguished professor emeritus of biomechanical engineering and professor of ophthalmology, University of Utah, Salt Lake City, UT
Topic
Utah Electrode Array, which uses eyeglasses, a miniature video camera, and a microelectrode array inserted into the visual cortex to provide functional vision enabling users to make out simple shapes

April 24, 2022

Guest 1
Dr. Dennis Clegg, co-director, University of California-Santa Barbara Center for Stem Cell Biology and Engineering (Santa Barbara, CA)
Topic
How a stem cell derived retinal implant has survived for more than two years with no immune rejection
Guest 2
Dr. Kathryn Bollinger, associate professor of ophthalmology, cellular biology, and anatomy, Medical College of Georgia (Augusta, GA)
Topic
How a protein, sigma 1 receptors, can protect retinal ganglion cells, which are damaged in glaucoma

May 1, 2022
Guest 1
Dr. Glenn Yiu, associate professor of ophthalmology, University of California-Davis Health (Davis, CA)
Topic
How consuming dried goji berries could provide protection against age-related macular degeneration

Guest 2
Dr. Vikki Weake, associate professor of biochemistry, Purdue University (West Lafayette, IN)
Topic
How circadian rhythms in fruit flies have a large impact on retinal health

May 8, 2022
Guest 1
Dr. Dennis Clegg, co-director, University of California-Santa Barbara Center for Stem Cell Biology and Engineering (Santa Barbara, CA)
Topic
How a stem cell derived retinal implant has survived for more than two years with no immune rejection
Guest 2
Dr. Kathryn Bollinger, associate professor of ophthalmology, cellular biology, and anatomy, Medical College of Georgia (Augusta, GA)
Topic
How a protein, sigma 1 receptors, can protect retinal ganglion cells, which are damaged in glaucoma

May 15, 2022
Guest 1
Dr. Mike Pratte, associate professor of psychology, Mississippi State University (Starkville, MS)
Topic
How technological advances such encephalography (EEG) and functional magnetic resonance imaging (fMRI), are used to discover ways the brain processes visual information that is streamed through the eyes
May 22, 2022
Guest 1
Dr. Anand Swaroop, senior investigator and branch chief, National Eye Institute (Bethesda, MD)

Topic
How molecular and cellular changes indicating gene abnormalities can be detected in mice many days before the death of rod photoreceptors

May 29, 2022

Guest 1
Dr. Daniel Palanker, professor of ophthalmology and electrical engineering, Stanford University (Palo Alto, CA)
Topic
How a retinal implant using photovoltaic cells in conjunction with augmented reality glasses can allow patients can integrate prosthetic central visual perception with remaining natural peripheral vision

Guest 2
Dr. Anat Galor, professor of ophthalmology, Bascom Palmer Eye Institute, University of Miami (Miami, FL)
Topic
Causes and treatments of both conjunctivitis and dry eye; nasal treatment that treats dry eye

June 5, 2022
Guest 1
Dr. Mike Pratte, associate professor of psychology, Mississippi State University (Starkville, MS)
Topic
How technological advances such encephalography (EEG) and functional magnetic resonance imaging (fMRI), are used to discover ways the brain processes visual information that is streamed through the eyes

June 12, 2022
Guest 1
Dr. Anand Swaroop, senior investigator and branch chief, National Eye Institute (Bethesda, MD)
Topic
How molecular and cellular changes indicating gene abnormalities can be detected in mice many days before the death of rod photoreceptors

June 19, 2022
Guest 1
Dr. Frans Vinberg, assistant professor of ophthalmology and visual sciences, University of Utah (Salt Lake City, UT)
Topic
The process by which photoreceptors can be revived from organ donor eyes and communicate with other cells in the retina

Guest 2
Richard Rueda, digital content manager, American Printing House For The Blind (Louisville, KY)
Topic
ConnectCenter Transition Hub, which provides online resources for young adults looking for self-sufficiency in the transition to adulthood

June 26, 2022
Guest 1
Dr. Bruce Rosenthal, chief of low vision services, Lighthouse Guild (New York, NY)
Topic
Causes, symptoms, and treatments of cataracts

Guest 2
Dr. Kapil Bharti, senior investigator, ocular and stem cell translational research section, National Eye Institute (Bethesda, MD)
Topic
How artificial intelligence was used to create a "reference map" of the retinal pigment epithelium based on morphometry showing different subpopulations of RPE cells being vulnerable to different types of retinal diseases