OVERCOMING CHALLENGES TO PHOTORECEPTOR CELL REPLACEMENT

DAVID GAMM

THURSDAY OCT 26

Health Sciences RECEPTION 3:00PM Atrium
Learning Center LECTURE 4:00PM Room 1325

2023
INaugural DANIEL M. ALBERT Lecture

McPherson Eye Research Institute UNIVERSITY OF WISCONSIN–MADISON

MD, PHD
PROFESSOR, DEPARTMENT OF OPHTHALMOLOGY AND VISUAL SCIENCES
RFF EMETT A. HUMBLE DISTINGUISHED DIRECTOR, MCPHERSON EYE RESEARCH INSTITUTE
SANDRA LEMKE TROUT CHAIR IN EYE RESEARCH

Since the advent of human pluripotent stem cell (hPSC) technology at UW-Madison in the late 1990s, researchers and companies have sought to produce cells, including photoreceptors, capable of replacing those lost in the course of neurodegenerative diseases. Methods to generate photoreceptors from hPSCs have advanced greatly at UW-Madison, with recent evidence showing that these cells – particularly cones – are structurally and functionally authentic. Dr. Gamm will discuss the development, current status, and future path of this technology, which holds much promise to improve vision in individuals with retinal blinding disease.

INFO: JONATHANLANG@WISC.EDU

750 Highland Ave, UW-Madison