“Eye Evolution, Molluscan Eyes and The Odd Case of Lyonsiid Bivalves”

Friday, July 24, 2020
7:00 am – 8:00 am

Zoom
Meeting ID: 962 6750 2153

Robert S. Prezant, PhD
Provost and Vice President for Academic Affairs
Southern Connecticut State University

There is no corporate support for this activity.
This course will fulfill the licensure requirement set forth by the State of Connecticut.

ACCREDITATION
The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

TARGET AUDIENCE
Eye care professionals.

NEEDS ASSESSMENT
The human eye is among the most complicated structures and one that even challenged Charles Darwin to explain in terms of evolutionary changes. Today we recognize an array of similarities in photoreception and visual perception that can be aligned with various organismal phyla and their phylogeny. This seminar will focus on those changes through an analysis of form and function, the similarities and differences, the major division between ciliary and rhabdomeric light receptor systems (and the anomalies found in some groups of molluscs), and the transition from the simplest light receptors of single celled organisms to the complexities of the cephalopod and human eye.

LEARNING OBJECTIVES
At the conclusion of the conference, meeting participants will be able to:
- Appreciation of common features across all photoreceptive structures.
- Unique and unifying features of ciliary vs rhabdomeric (or microvillar) photoreceptors.
- A deeper understanding of the origins and evolutionary development of photoreceptors and eyes in the animal kingdom.

DESIGNATION STATEMENT
The Yale School of Medicine designates this live activity for 1.5 AMA PRA Category 1 Credit(s)™. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

FACULTY DISCLOSURES
Speakers: Robert Prezant, PhD – NONE
Course Director: Ron A. Adelman, MD, MPH, MBA – NONE

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