

Yale Eye Center Grand Rounds

“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

Course Director:
Ron A. Adelman, MD, MPH, MBA



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 rhabdomic 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 rhabdomic (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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Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs.

