



**CITY UNIVERSITY  
LONDON**

**School of Health Sciences**

# **School of Health Sciences Lecture Series**

***“What the aging eye can teach us about  
how we see”***

**Tuesday 10<sup>th</sup> January 2012  
1.15pm – 2.15pm  
Room AG07- College Building**

## **Lecture by: Professor Jack Werner**

Substantial age-related change occurs in the optics of the human eye and in retinal neural pathways. It is often expected that color perception will be altered in the elderly due to filtering by the aging lens. This expectation is sensible, but wrong. We shall illustrate this through one of the most celebrated case studies purported to show the opposite, the cataract of the French Impressionist, Claude Monet. His paintings and recent laboratory results (including high-resolution retinal imaging with adaptive optics) will be presented. We conclude that the visual system continuously renormalizes itself to maintain stable perception throughout the life span.

## **Professor Jack Werner**

John S. Werner is Distinguished Professor in the Department of Ophthalmology & Vision Science and in the Department of Neurobiology, Physiology & Behaviour at the University of California, Davis. He received his Ph.D. from Brown University. He is an elected fellow of the American Association for the Advancement of Science and the Optical Society of America. He received the Humboldt Prize for Senior Scientists in the Natural Sciences (Bonn Germany) and the Pisart Vision Award (New York).

**All Welcome**

**Professor Stanton Newman  
Dean  
School of Health Sciences**