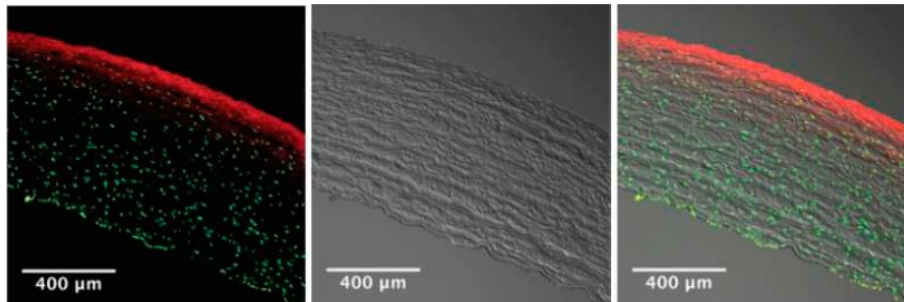

**SEMINARIO DE IMÁGENES Y VISIÓN
INSTITUTO DE OPTICA (CSIC)**

Light-initiated cornea treatments

Prof. Irene Kochevar

Wellman Center of Photomedicine (MGH/Harvard University)



Cherfan et al. 2003

We have developed a light-activated method to covalently crosslink tissue proteins. Forming protein-protein crosslinks between two surfaces seals the tissues together (e.g., closing wounds) whereas crosslinking proteins within a tissue increases the tissue stiffness (e.g., strengthening weak cornea). Basic understanding of the photobiology underlying this technology will be discussed as well as two cornea applications, namely, rapid sealing of penetrating cornea wounds and stiffening the cornea as a treatment for keratoconus.

Lunes, 27 de Enero de 2014

12:30 horas

Sala de Conferencias. Instituto de Optica (CSIC).

C/ Serrano 121, 28006 Madrid
