



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

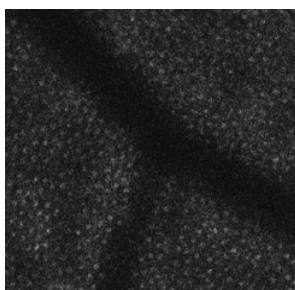


---

**Seeing cellular mosaics in the living eye**

**Dr. Jennifer Hunter**

**Flaum Eye Center, University of Rochester, NY**



Hunter et al. BOE 2011

---

**Abstract**

The visualization of individual cells in the living retina has proven invaluable in the study of normal and diseased retinal structure and function. Many challenges, including image degradation from ocular aberrations, scatter, and eye movements, have been overcome, allowing images of blood cells in the smallest capillaries and single cones in the photoreceptor mosaic. Other cell layers in the retina are either transparent or opaque and are thus more difficult to visualize. However, the addition of fluorescence imaging capabilities to a scanning laser ophthalmoscope equipped with adaptive optics is making it possible to successfully image a larger variety of cells.

---

**Jueves, 16 Junio 2011**

**12:30 horas**

**Sala Juntas. Serrano 121, Madrid**

---

**Información:**

Susana Marcos

Instituto de Optica, CSIC

Tel: 915616800 x942313; email: [susana@io.cfmac.csic.es](mailto:susana@io.cfmac.csic.es)