



## **L4H Seminar SUSANA MARCOS 'Imaging to understand and improve vision'**

SUSANA MARCOS  
Visual Optics and Biophotonics Lab  
Institute of

March 26, 2014

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Wednesday, March 26, 2014, 12:00. Seminar Room

**SUSANA MARCOS**

**Visual Optics and Biophotonics Lab**

**Institute of Optics, CSIC, Madrid, SPAIN**

The eye is a fascinating optical element that project images of the outside world onto the retina. Ocular imaging allow us investigating the structural and optical properties of the cornea and crystalline lens, and their changes with aging, disease and treatment. On the

other hand, adaptive optics allows us manipulating non-invasively the optics of the eye, and test the effects of vision. Quantitative imaging, modeling and psychophysical studies aid therefore to understand basic mechanisms of the visual process and propose new, predictive correction alternatives to improve vision in patients.

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**Hosted by Prof. Turgut Durduran**