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## ***Low light vision under adaptive optics correction***

### **Pablo Artal**

The human vision is extremely well adapted to operate under huge changes in the luminance conditions. The performance of the visual system as a photon detector has been a topic of research interest soon after the quantum era. Another classic problem in visual optics is high myopia. Eyes that are emmetropic in daylight are thought to become myopic at low luminance conditions. The use of adaptive optics instruments operating in invisible infrared illumination is a powerful tool to further study these classic, but still, open questions. Recent experiments and discussion on different effects of low light vision will be covered in this presentation.

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