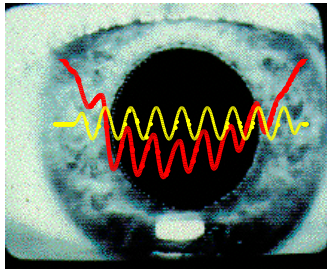


PUPIL INFORMATICS: Pupil Response Mechanisms, Visual Performance & Clinical Applications



Host institution:

Applied Vision Research Centre,
The Henry Wellcome Laboratories
for Vision Sciences,
City University,
Northampton Square,
London, EC1V 0HB.

Dates:

Friday: 19 September 2008

Symposium content

- Review of pupil response mechanisms
- Pupil studies in relation to retinal degenerations that cause loss of photoreceptors
- Melanopsin and photoreceptor interactions as reflected in the pupil response
- Mesopic vision, wavefront-guided refractive surgery & visual performance
- Laboratory visits
- Symposium dinner

Symposium organisers:

JL Barbur & M Rodriguez-Carmona (City University, London)
B Gilmartin & JSW Wolffsohn (Aston University, Birmingham)
K Ukai (Waseda University, Tokyo).

Who may benefit from attending?

Ophthalmologists, medical and psychology students, optometrists, occupational health professionals, vision scientists. The symposium will cover pupil studies in relation to photoreceptor interactions, retinal photoreceptor transplant work, mesopic vision and corneal refractive surgery.

How to contribute to this symposium?

This is an informal event aimed at discussing the latest research findings in a number of diverse areas that involve the informatics of the pupil. The latter is often used to describe the integration of physics, mathematics, computing and engineering techniques into neuroscience. Pupil investigations combine diverse techniques and the measurement of pupil responses have been extended recently to study the role of melanopsin in vision, photoreceptor interactions,

the factors that limit visual performance in the mesopic range (in relation to aberrations and corneal refractive surgery), the function of subcortical pathways and the monitoring of photoreceptor stem cell therapy in retinal cell transplantation studies. We welcome contributions on any of these topics either in the form of short (~ 15 minutes) oral presentations or posters. Please submit formal abstracts (not exceeding 300 words) to Charlotte Hodge by 31 August. You will also need to register for the meeting by completing and returning the registration form.

Contact details:

Location, travel accommodation information and symposium registration form can be found via links from:
<http://www.city.ac.uk/avrc>

For further information please contact:

Charlotte Hodge,
Executive Officer,

Charlotte.Hodge.1@city.ac.uk

Tel +44 20 7040 8331 Fax +44 20 70408355

Sponsorship:

**The Great Britain
Sasakawa Foundation**



TOPCON



The Colour Group of Great Britain

