



ENET – European Network for Education of Trainees APPLICATION FORM ENET ACCREDITED COURSES

| Course Number* | Date application received* | Date approval ENET responsible* | Date approval CME Committee* |
|----------------|----------------------------|---------------------------------|------------------------------|
| C054 | April 27th, 2011 | April 28th, 2011 | |

Classification according to EBO syllabus*

- Topic A:** Optics, Refraction, Strabismus, and Neuro-ophthalmology
- Topic B:** Cornea, External diseases, Orbit and Ocular adnexa
- Topic C:** Glaucoma, Cataract, and Refractive surgery
- Topic D:** Posterior segment, Ocular inflammation and Uveitis

* To be filled in by European Network for Education of Trainees (ENET) responsible

Course Director _____

- 1. Name:** Prof. Maire-Jose Tassignon; Prof. Ioannis Pallikaris
- 2. Address:** Antwerp University Hospital, Edegem, Belgium;
Institute of Vision and Optics-University of Crete, Heraklion, Greece
- 3. E-mail:** marie-jose.tassignon@uza.be; pallikar@med.uoc.gr

Supportive society (in due order with UEMS accreditation) _____

- 4. Society:** ESCRS
- 5. Course date/hour:** 18/09/2011 08.15 – 17.45
- 6. Location:** Reed Messe, Vienna, Austria
- 7. UEMS application:** **introduced:**
in due order:

General information _____

- 8. Course Title:** Workshop on Visual Optics
- 9. Course Duration:**

| | |
|--|--|
| <input type="checkbox"/> 1-hour course (1-3 speakers) | <input type="checkbox"/> 2-hours course (4-6 speakers) |
| <input type="checkbox"/> 3-hours course (6-8 speakers) | <input checked="" type="checkbox"/> I day symposium |
- 10. Course Format:**

| | |
|--|--|
| <input checked="" type="checkbox"/> Formal lecture | <input type="checkbox"/> Commented diaporama |
| <input type="checkbox"/> Video-based course | <input type="checkbox"/> Case presentations |
| <input type="checkbox"/> On-line course | <input checked="" type="checkbox"/> E-learning |
- 11. Course Level:**

| | |
|---|-----------------------------------|
| <input checked="" type="checkbox"/> Basic | <input type="checkbox"/> Advanced |
|---|-----------------------------------|



Faculty

| | <u>Name</u> | <u>E-mail</u> | <u>Setting</u> |
|-----|----------------------|--|--|
| 1. | Ioannis Pallikaris | pallikar@med.uoc.gr | Institute of Vision and Optics- University of Crete, Greece |
| 2. | Maire-Jose Tassignon | marie-jose.tassignon@uza.be | Antwerp University Hospital, Edegem, Belgium |
| 3. | Frans Van de Velde | vdv@sloresearch.org | Antwerp University Hospital, Belgium |
| 4. | Susana Marcos | susana@io.cfmac.csic.es | Instituto De Optica, CSIC, Spain |
| 5. | Adrian Glasser | aglasser@uh.edu | College Of Optometry , University Of Houston, USA |
| 6. | Jos Rozema | jos.rozema@uza.be | Antwerp University Hospital, Belgium |
| 7. | Wolfgang Haigis | w.haigis@augenlinik.uni- wuerzburg.de | University of Wuerzburg, Dept. of Ophthalmology, Germany |
| 8. | Raymond Applegate | rapplegate@uh.edu | College Of Optometry, University Of Houston, Texas, USA |
| 9. | Tom Van den Berg | t.j.vandenberg@nin.knaw.nl | Neth. I. Neurosc. Royal Academy, Amsterdam, The Netherlands |
| 10. | Sotiris Plainis | plainis@med.uoc.gr | University of Crete, Greece |
| 11. | Pablo Artal | pablo@um.es | University of Murcia, Spain |
| 12. | Harilaos Ginis | ginis@ivo.gr | University of Crete, Heraklion, Greece |
| 13. | Aris Pallikaris | apallik@med.uoc.gr | Institute of Vision, Voutes, Heraklion, Greece |
| 14. | Jack Holladay | holladay@docholladay.com | 5108 Braeburn Drive, Bellaire, Texas, USA |
| 15. | Georges Baikoff | g.baik.opht@wanadoo.fr | Clinic Monticelli, Marseille, France |
| 16. | Dan Reinstein | dzr@londonvisionclinic.com | London Vision Clinic, UK |



Course synopsis (max. 10 lines)

The symposium teaches optical principles that are basic to understand certain aspects of physiological optics of the eye. In particular, the estimation of visual performance of the human eye is not confined to only measuring visual acuity. Other biometric parameters of the eye correspond to specific values of contract, glare, optical aberrations, and together they determine the quality of an image as perceived by the patient.

Ageing of the optical system will result in presbyopia. The Knowledge of physiopathological mechanisms that underline accommodation for far and near vision over a life span will help to better understand the optical performance characteristics of the IOLs that are designed to replace the natural human lens.

The course is highly recommended for all future ophthalmologists interested in vision problems related to cataract and refractive surgery.

Aim(s) of the course (max. 10 lines)

This course will explain several recently introduced concepts and terminologies relating to tests that help the ophthalmologist assess the quality of vision beyond measuring traditional Snellen acuity.

For example, Modulation transfer function (MTF), Point spread function (PSF) and the Root mean square value (RMS) of Zernike polynomials describing ocular wave front aberrations, are new important parameters that can appropriately describe quality of vision of imaging. These terms should belong to the active glossary of the ophthalmologist.

The last techniques available to measure anatomical and physical properties of the eye are exposed. They include aberrometry, anterior segment Scheimpflug and OCT imaging and measurement of glare and contract sensitivity.

Achievements (what will the participant achieve in knowledge)

The participant in this course will obtain an overview of objective and subjective psychophysical methods that evaluate the optics of the eye. The participant will have better insight in physiological optics; going much deeper than measuring visual acuity alone would allow. The participant will better understand the relation between new descriptive parameters of optical quality and patient's complaints. This course will therefore help the participant better understand the relation between new descriptive parameters of optical quality and patient's complaints. This course will therefore help the participant better understand the effects of cataract and refractive surgery on the quality of vision of the patient.



Course outline (please specify or add a flyer)

| <u>Name</u> | <u>Topic title</u> | <u>Time (min)</u> |
|-------------------------|--|--------------------------|
| 1. Frans Van de Velde | Light propagation in the eye | 25 |
| 2. Susana Marcos | Aberrations of the optical system | 30 |
| 3. Adrian Glasser | Optics of crystalline lens and accommodative response | 25 |
| 4. Jos Rozema | Epidemiology of the optical parameters of the eye | 25 |
| 5. Maire-Jose Tassignon | IOL optics | 25 |
| 6. Wolfgang Haigis | IOL power calculation | 30 |
| 7. Raymond Applegate | Retinal image quality | 25 |
| 8. Aris Pallikaris | Presbyoptics | 25 |
| 9. Tom Van den Berg | Straylight: importance of different domains of the point-spread-function | 25 |
| 10. Sotiris Plainis | State of the art assessment of visual acuity and contrast sensitivity | 30 |
| 11. Pablo Artal | Visual function assessment using adaptive optics | 25 |
| 12. Harilaos Ginis | Modelling visual function | 25 |
| 13. Aris Pallikaris | Confocal microscopy, from research to clinical practice | 25 |
| 14. Jack Holladay | Scheimpflug imaging of the anterior segment of the eye | 25 |
| 15. Georges Baikoff | Clinical application of OCT imaging of the anterior segment of the eye | 25 |
| 16. Dan Reinstein | Very high frequency ultrasound for the imaging of the cornea | 25 |



Agreement (to be filled in by the Course Director) _____

I hereby agree

- to distribute the evaluation forms prior to the start of the course
- to collect the evaluation forms after the course and send these to Dara Conlon:
*Dara Conlon, Agenda Communications, Temple House, Temple Road, Blackrock, Co. Dublin, Ireland,
Tel. +353 12 09 11 00, Fax +353 12 09 11 12, E-mail: dara.conlon@agenda-comm.ie*
- to wave registration fee for the peer reviewer

Name & Signature:

Date:

27/04/2011

Ioannis Pallikaris

Marie-José Tassignon

Application Form to be sent to _____

Marie-José Tassignon, Antwerp University Hospital, Department of Ophthalmology, Wilrijkstraat 10, 2650 Edegem, Belgium, Tel. +32 3 821 33 77, E-mail: marie-jose.tassignon@uza.be

Items to be verified by the ENET responsible* _____

- Application form
- Supportive society
- UEMS application
- Faculty meets the criteria
- Synopsis
- Aim(s)
- Achievements
- Course outline
- MCQ-form (in attachment)

After approval of the ENET responsible, this application form will be forwarded for approval to the CME Committee:

Talin Barisani-Asenbauer, Medical University Vienna, Department of Ophthalmology and Optometry, Waehringer Guertel 18-20, 1090 Vienna, Austria, E-mail: talin.barisani@meduniwien.ac.at