



Optical and Adaptational
Limits of Vision

www.itn-opal.eu

1ST SUMMER SCHOOL

AGENDA

September 18 - 19, 2012

Hosted by OpAL Project Partner No. 4, Susana Marcos
CSIC - Visual Optics and Biophotonics Lab

Madrid, SPAIN

Version May 22, 2012



OpAL (PITN-GA-2010-264605) is an Initial Training Network (ITN) funded by the European Commission under the Seventh Framework Programme (FP7)



LOCATIONS

CONFERENCE ROOM

Meeting rooms at the **Institute of Optics:**

Sala de Conferencias

Instituto de Optica, CSIC

Serrano 121



See map on page 5

ACCOMODATION

Rooms for everyone have been reserved at:

Residencia de Estudiantes

Calle Pinar 21, 28006 Madrid

Phone: +34 - 91 561 32 00

Fax: +34 - 91 563 81 27

E-mail: reservas@residencia.csic.es

<http://www.residencia.csic.es/en/hotel/accomodation.htm>

See map on page 5

Tuesday, September 18, 2012

11:00 – 11:30

Welcome by host
(Susana Marcos)

11:30 – 12:15

Hands on experience on Optical Coherence Tomography

12:15 – 12:45

Hands on experience on Aberrometry

12:45 – 14:00

Hands on experience on Ocular Sectioned Microscopy

14:00 – 15:30

Lunch at Residencia de Estudiantes

15:30 – 16:30

Hands on experience on Adaptive Optics in vision

16:30 – 17:30

Round Table discussion



Wednesday, September 19, 2012

9:00 – 9:30

The eye as an exceptional optical system

Pablo Artal (Universidad de Murcia, Spain). Confirmed

9:30 – 10:00

Adding ocular scattering into the optical quality picture

Harilaos Ginis (University of Crete, Greece). Confirmed

10:00 – 10:30

Designing optical instruments: practical considerations

Guillermo Pérez (Voptica, Murcia, Spain). Confirmed

10:30 – 11:00

Optical Coherence Tomography. Applications in the eye

Maciej Wojtowski (Copernicus University, Poland), Confirmed

11:00 – 11:30

Discussion

11:30 – 12:00

Coffee Break

12:00 – 12:30

Crystalline lens of the eye: a source of inspiration

Susana Marcos (Institute of Optics, CSIC, Spain). Confirmed

12:30 – 13:00

Accommodation and myopia: Insights from animal models

Frank Schaeffel (University of Tübingen, Germany). Confirmed

13:00 – 13:30

Designing IOL lenses

Sergio Barbero (Instituto de Optica, CSIC, Spain). Confirmed

14:00 – 15:30

Buffet Lunch

15:30 – 16:15

Adapting to optical blur

Mike Webster (University of Nevada, USA). Confirmed

16:15 – 16:45

Discussion

17:30 – 21:00

Cultural Event:

- Transportation to Prado Museum
- Visit of Prado Museum Highlights
- Walking Tour of Literary Madrid
- Dinner at Restaurant La Mucca
- Transportation back to CSIC Campus

PARTICIPANTS

Principal Investigators

- | | | | |
|----|------------------------|--|--------------|
| 1. | Frank Schaeffel | Network Partner No. 1, Tuebingen (<i>Germany</i>) | Sept 18 - 21 |
| 2. | Pablo Artal | Network Partner No. 2, Murcia (<i>Spain</i>) | Sept 18 - 21 |
| 3. | Susana Marcos | Network Partner No. 4, Madrid (<i>Spain</i>) | Sept 18 - 21 |
| 4. | Harilaos Ginis | Network Participant No. 5, Heraklion (<i>Greece</i>) | Sept 18 - 21 |

Fellows

- | | | | |
|-----|---|--|--------------|
| 1. | Yun Chen (ESR) | Network Partner No. 1, Tübingen (<i>Germany</i>) | Sept 17 - 21 |
| 2. | Ulrich Wildenmann (ESR) | Network Partner No. 1, Tübingen (<i>Germany</i>) | Sept 17 - 21 |
| 3. | Alexandros Pennos (ESR) | Network Partner No. 2, Murcia (<i>Spain</i>) | Sept 17 - 21 |
| 4. | Dimitrios Christaras (ESR) | Network Partner No. 2, Murcia (<i>Spain</i>) | Sept 17 - 21 |
| 5. | Abinaya Priya Venkataraman (ESR) | Network Partner No. 3, Stockholm (<i>Sweden</i>) | Sept 17 - 21 |
| 6. | Simon Winter (ESR) | Network Partner No. 3, Stockholm (<i>Sweden</i>) | Sept 17 - 21 |
| 7. | Aiswaryah Radhakrishnan (ESR) | Network Partner No. 4, Madrid (<i>Spain</i>) | Sept 17 - 21 |
| 8. | Mengchan Sun (ESR) | Network Partner No. 4, Madrid (<i>Spain</i>) | Sept 17 - 21 |
| 9. | Onurcan Sahin (ESR) | Network Participant No. 5, Heraklion (<i>Greece</i>) | Sept 17 - 21 |
| 10. | Ebrahim Kamrani (ESR) | Network Participant No. 5, Heraklion (<i>Greece</i>) | Sept 17 - 21 |
| 11. | Yohann Benard (ER) | Network Participant No. 6, Munich (<i>Germany</i>) | Sept 17 - 21 |
| 12. | xxxxx (ER) | Network Participant No. 6, Munich (<i>Germany</i>) | Sept 17 - 21 |

Guest Speaker

- | | | | |
|----|--------------------------------|----------------------------------|--------------|
| 1. | Guillermo Pérez Voptica | Voptica, Murcia, Spain | Sept 18 - 20 |
| 2. | Maciej Wojtowski | Copernicus University, Poland | Sept 18 - 20 |
| 3. | Sergio Barbero | Instituto de Optica, CSIC, Spain | Sept 19 |
| 4. | Mike Webster | University of Nevada, USA | Sept 18 - 20 |

LOCATION

