Macular Carotenoids 2013: Programme
Downing College, University of Cambridge, UK
10th – 12th July 2013

Tuesday 9th July 2013
16.00- 20.00  Conference Registration Opens: Grace Howard Room
19.00  Cafeteria Dinner: Dining Hall
20.00  Cash bar until midnight: Howard Building

Wednesday 10th July 2013
08.00  Registration: Grace Howard Room
08.30  Welcome Address by Professor John Nolan, Conference Chair: Howard Theatre
08.45  Session 1: Nutrition for the Eye, Howard Theatre
Session Chair: Professor Stephen Beatty

Lecture 1:  Professor George Britton, University of Liverpool, United Kingdom: Lutein and zeaxanthin: the autobiography

Lecture 2:  Professor John Landrum, Florida International University, USA: The role of the macular carotenoids lutein, zeaxanthin and meso-zeaxanthin in the eye

Lecture 3:  Professor Richard Bone, Florida International University, USA: Refining the measurement of MPOD by heterochromatic flicker photometry

Lecture 4:  Professor Julie Mares, University of Wisconsin, USA: Environmental and Genetic determinants of macular pigments and risk for age-related macular degeneration
10.45  Tea/Coffee: Grace Howard Room
11.15 **Session 2: The Origins of Macular Pigment, Howard Theatre**

Session Chair: Professor David Thurnham

**Lecture 5:** Professor John Nolan, *Waterford Institute of Technology, Ireland*: **Occurrence of the macular carotenoids in edible foods**

**Lecture 6:** Professor Frederick Khachik, *University of Maryland, USA*: **The metabolism of lutein and zeaxanthin in the ocular tissues of humans, monkeys, and non-primate animal models**

**Lecture 7:** Professor Paul Bernstein, *University of Utah, USA*: **Retinal capture of the macular carotenoids**

12.50 Finger Buffet Lunch: *Grace Howard Room*

**note:** Tea/Coffee will be provided in the Maitland Room (poster viewing room)

13.50 **Session 3: Poster Presentations, Howard Theatre**

Session Chair: Professor George Britton

Poster Judges: Professor George Britton, Professor John Landrum, Dr. Robert Coen, Ms. Maria Manuela Mendes Pinto and Mr. Frederic Jouhet, MacuHealth

**note:** All scientific posters will be on display in the *Maitland Room* (poster viewing room) during the conference, but will be presented by the first author in the *Howard Theatre*

15.20 Tea/Coffee in *Grace Howard Room*

15.45 Poster Session continued.

18.30 Sponsors Reception in The Grace Howard Room (by Invitation ONLY)

19.00 Cafeteria Dinner: *Dining Hall*

20.00 Social event: Chauffeured punting on the Cam with drinks (tickets available at the reception desk). Meet at Grace Howard Room.
Thursday 11th July 2013

08.45  
Session 4: Clinical Studies with the Macular Carotenoids, *Howard Theatre*  
Session Chair: Professor Paul Bernstein

*Lecture 8:* Professor Marie Bénédicte Rougier, *University Hospital of Bordeaux, France:* Clinical determinants of macular pigment: The Alienor Study

*Lecture 9:* Professor Leopold Schmetterer, *Medical University of Vienna, Austria:* Effects of lutein supplementation on macular pigment optical density and visual acuity in patients with AMD: The LISA study


10.30  
Tea/Coffee: *Grace Howard Room*

11.00  
Session 5: Carotenoids in the Eye and Brain, *Howard Theatre*  
Session Chair: Dr. Robert Coen

*Lecture 11:* Dr. James Loughman, *Dublin Institute of Technology, Ireland:* The role of carotenoids in the eye for visual performance

*Lecture 12:* Professor Liz Johnson, *Tufts University, USA:* Lutein and Zeaxanthin: from the retina to the brain

*Lecture 13:* Professor Billy R. Hammond, *University of Georgia, USA:* Effects of the macular carotenoids from eye to brain, from infancy to old age

12.45  
Finger Buffet Lunch: *Grace Howard Room*

note:  
Tea/Coffee will be provided in the Maitland Room (poster viewing room)

13.45  
Session 6: Senior Sponsor Lectures, *Howard Theatre*  
Session Chair: Professor Leopold Schmetterer

note:  
The following lectures will be presented on behalf of select Senior Sponsors of the Conference

*Lecture 14:* *Guardion Health Science Keynote Speaker:* John A. Hovanesian, MD, FACS: **Translating Research to the Clinical Setting**
Lecture 15: DSM Nutritional Products Keynote Speaker: Professor Jens Dawczyski: Supplementation with xanthophylls and omega-3 fatty acids effects in AMD patients

Lecture 16: Kemin Health Keynote Speaker: Dr. Stuart Richer: ZVF, LAST and Visual Function - Lessons learned and future directions

Lecture 17: Elektron Technology Keynote Speaker: Professor Tos Berendschot: Reflectometry and HFP to measure the MPOD

15.30 Tea/Coffee: Grace Howard Room

16.00 Keynote Lecture: Howard Theatre

Lecture 18: Dr. Emily Chew, National Eye Institute, USA: A report from AREDS 2

note: The Keynote Session will be one hour

18.00 Group Photo: Howard Court Lawns

18.15 Gala dinner drinks reception on Fellows Lawn

19.30 Gala dinner: Downing College Dining Hall

note: The Howard Poster Prize will be awarded after the dinner, followed by an address from Dr. Alan Howard, Chairman of the Trustees, Howard Foundation

21.30 Cash bar until midnight, with music by Caxton Swing Band: Howard Building

Friday 12th July 2013

09.30 Session 7: Prevention of AMD, Howard Theatre

Session Chair: Professor Marie Bénédicte Rougier

Lecture 19: Professor Tos Berendschot, University of Maastricht, Netherlands: Lutein and inflammation

Lecture 20: Professor Peter Humphries, Trinity College Dublin, Ireland: New approaches to prevention of AMD

Lecture 21: Dr. Martha Neuringer, Oregon National Primate Research Center, USA: The joint roles of xanthophylls and omega-3 fatty acids in macular disease: insights from a nonhuman primate model
11.15  Tea/Coffee: *Grace Howard Room*

11.45  **Session 8: Panel Q & A with Session Chairs, Howard Theatre**

AREDS2: what does it mean for macular carotenoids research?

Homework provided by Professor Paul Bernstein

13.00  Finger Buffet Lunch: *Grace Howard Room*

14.30  Conference closes