

Fourth Military Vision Symposium on Ocular and Brain Injury: Current Concepts in
Detection, Treatment, and Restoration

September 26-29, 2010

Preliminary Program

Monday

Morning (8:30 – 12:15)

MODERATOR – *Colonel Robert Mazzoli

Introductions and Military Keynotes

- 8:30 – 8:40 Schepens and Military Introductions
- *Dr. Darlene Dartt- Schepens Introduction: Overview of Centers of Excellence, Focus on Ocular Regeneration Center;
- *Colonel Mazzoli –Military Introduction
- 8:40 – 9:10 *Major General James Gilman – Overview of Military Vision Programs, Focus on Needs for Each Section of Conference
- 9:10 – 9:40 *Colonel Donald Gagliano- Military Vision Center of Excellence

TOPIC: *Mechanisms of Injury: Terminology , Documentation and Modeling*

- 9:40 – 10:00 *Major Jeffrey Shere - Terminology
- 10:00 – 10:20 *Dr. Christopher Andreoli- MEEI Ocular Trauma Registry
- 10:20 – 10:40 BREAK
- 10:40 – 11:00 *Dr. William (Rick) Sponsel - Trauma: Blunt and Blast
- 11:00 – 11:20 *Dr. Mikulas Chavko (NHRC) Model of Blast Injury
- 11:20 – 11:40 *Dr. Walter Gray - Physics of Blasts

11:40 – 12:15 *Panel Discussion*

12:15 – 2:15 LUNCH AND POSTER SESSION

Afternoon (2:30 – 5:15)

*MODERATOR – Dr. Randy Kardon

TOPIC: *Traumatic Brain Injury*

2:30 – 2:50 *Colonel Geoff Ling – (DARPA) Mild Traumatic Brain Injury

2:50 – 3:10 Dr. James Kelly (NICoE for TBI) – Biomarkers

3:10 - 3:30 *Dr. Peter Bex (Schepens) Tests to Diagnose Traumatic Brain Injury

3:30 – 3:50 *Alex Bowers (Schepens) Driving Simulator/Clinical Study on TBI

3:50 – 4:10 *Dr. Prem Subramanian (Wilmer Eye) – Ocular Motility Issues

4:10 – 4:55 *Panel Discussion*

4:55 – 5:25 *Dr. Christopher Rapuano – Keynote- New Developments and Current Problems in Refractive Surgery

EVENING: Reception at Downtown Harvard Club

Tuesday

Morning (8:30 – 12:25)

MODERATOR – *Lt Col Charles Reilly

8:30 – 9:00 Robert Read & James Jorkasky – Update on DOD Funding and NAEVR

TOPIC: Refractive Surgery and Corneal Trauma

9:00 – 9:20 *CAPT David Tanzer (Navy) LASIK, PRK, and Deployment Issues

9:20 – 9:40 *COL K. Scot Bower(Army)/Dr. Darlene Dartt Dry Eye and Refractive Surgery Study

9:40 – 10:00 *Dr. James Zieske (Schepens) - Corneal Scars

10:00 – 10:20 BREAK

10:20 – 10:40	*Major Mathew Caldwell
10:40 – 11:00	*Dr. Kathy Colby MEEI - Keratoprosthesis
11:00 – 11:20	*Dr. Carlos Belmonte (Spain) – Pain & Dry Eye After Refractive Surgery
11:20 – 11:40	*LTC Jeff Cleland Boston Lens
11:40 – 12:25	Panel Discussion
12:25 – 1:30	LUNCH

Afternoon (1:30 – 5:25)

MODERATOR – *COL Keith Wroblewski

TOPIC: *Infection, Inflammation and Immune Modulation*

1:30 – 2:00	*Dr. Nan Chiang (HMS) – Active Resolution of Inflammation
2:00 – 2:20	*Dr. Gerry Pier (HMS) – Methicillin Resistant Bacteria
2:20 – 2:40	*CDR Elizabeth Hofmeister (Navy) – Corneal Trauma and Angiogenesis
2:40 – 3:00	*Dr. Reza Dana (Schepens) – Corneal Angiogenesis
3:00 – 3:20	*MAJ Dal Chun (Army)- Clinical PVR
3:20 – 3:40	BREAK
3:40 – 4:00	*Dr. Andrius Kazlauskas (Schepens) Growth Factors and PVR
4:00 – 4:20	*CDR Timothy Hopkins (Navy) Sympathetic Ophthalmia: To Enucleate or Not
4:20 – 4:40	*Dr. Joan Stein-Streilein (Schepens)- Sympathetic Ophthalmia
4:40 – 5:25	Panel Discussion

EVENING: DINNER (UNION OYSTER HOUSE)

Wednesday

Morning (8:30 – 12:25)

MODERATOR – *Dr. Michael Young (Schepens)

TOPIC: *Ocular Rescue, Regeneration and Restoration*

8:30 – 9:00	*Dr. Robert Langer (MIT) – Keynote
9:00 – 9:20	*Dr. Sarah Tao (Draper) – 3D Scaffolding
9:20 – 9:40	*Dr. S. Zhang - Nanopeptides
9:40– 10:00	*Dr. Dong Feng Chen (Schepens) – Neuroregeneration
10:00 – 10:20	BREAK
10:20 – 10:40	*Dr. Budd Tucker (Schepens) –Induced Pluripotent Stem Cells (iPS Cells)
10:40 – 11:00	*Dr. Malvina Eydleman (FDA)- Overview of Artificial Vision Devices
11:00 – 11:20	*Dr. Alfred Lewin – Retinal Gene therapy
11:20- 11:40	*Dr. James Funderburgh (Pittsburgh) – Corneal
11:40 - 12:25	Panel Discussion – *COL Jan Harris(Army) AFIRM

*Confirmed speakers.