

**I**nternational  
**O**cular  
**S**urface  
**S**ociety



## **10<sup>TH</sup> OCULAR SURFACE AND TEAR WORKSHOP**

**MAY 10~11, 2007**

Contact:  
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**OCULAR**

**INFLAMMATION**

**FORT LAUDERDALE GRANDE HOTEL & YACHT CLUB**

**FORT LAUDERDALE, FLORIDA, USA**



**Thursday, May 10, 2007**

**15:55 WELCOME REMARKS**

**Kazuo Tsubota, MD**

**16:00 10<sup>TH</sup> ANNIVERSARY LECTURE**

**Scheffer C.G. Tseng, MD, PhD**

Medical Director of Ocular Surface Center and Ocular Surface Research & Education Foundation  
Miami, Florida, USA

**Role of Epithelial Mesenchymal Transition in Limbal Deficiency and Tissue Engineering**

*Epithelial mesenchymal transition (EMT) is prevailing in embryogenesis but occurs only in postnatal fibrosis and cancer metastasis. Our recent laboratory studies indicate that EMT can take place during ex vivo expansion of limbal epithelial stem cells. We will summarize how EMT can partake in limbal deficiency with fibrosis and for formulating effective strategies for tissue engineering of stem cell containing limbal tissues.*

**17:00 INVITED LECTURE**

**Christophe Baudouin, MD, PhD**

Professor and Chair of Ophthalmology  
Quinze-Vingts National Ophthalmology Hospital  
Paris, France

**Drug-induced inflammatory changes on the ocular surface**

**17:40 INVITED LECTURE**

**Stephen Pflugfelder, MD**

James and Margaret Elkins Professor  
Director of the Ocular Surface Center  
Department of Ophthalmology  
Baylor College of Medicine  
Houston, Texas, USA

**Pro-inflammatory Effects of Dry Eye on the Ocular Surface**

*Dry eye and desiccating stress have been found to have pro-inflammatory effects on the ocular surface by activating intrinsic stress kinase pathways, stimulating production of matrix degrading enzymes (MMPs) and inflammatory cytokines and chemokines, recruiting Th1 CD4+ T cells to the conjunctival epithelium and disrupting local immunoregulatory mechanisms. These mechanisms will be reviewed.*

**18:20 CLOSING REMARKS**

**18:30  
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20:00 COCKTAIL RECEPTION AT POOLSIDE TERRACE**

**IOSS APPRECIATES THE SUPPORT OF BIO-TISSUE, INC.**





**Friday, May 11, 2007**

**SESSION I PAPER PRESENTATIONS**

**Moderator:** Murat Dogru, MD, PhD

- 9:00** Transient Receptor Potential Vanilloid 4 (TRPV4) mediation of hypotonic stress in Human Corneal Epithelial Cells  
*Zan Pan, MD*
- 9:15** Functional Transient Receptor Potential Vanilloid 1 Expression in Cultured and Intact Corneal Epithelium  
*Fan Zhang, MD*
- 9:30** Pro-inflammatory cytokines and conjunctival cells in Ocular Cicatricial Pemphigoid  
*Pierre-Yves Robert, MD*
- 9:45** Squamous Metaplasia: Stem Cell Issue? Inflammation Issue?  
*Wei Li, MD*
- 10:00** Increased expression of inflammatory cytokines and cathepsins in the corneal epithelium in keratoconus  
*Abraham Solomon, MD*
- 10:15** Discussion
- 10:30** Refreshment Break (30 min)

**SESSION II PAPER PRESENTATIONS**

**Moderator:** Abraham Solomon, MD

- 11:00** The Impact of Nasal Conjunctivochalasis on Tear Functions and Ocular Surface  
*Murat Dogru, MD, PhD*
- 11:15** Immunosuppressive therapy for ocular mucous membrane pemphigoid: Strategies and Outcomes  
*Valerie Saw, MD*

**11:30** Host Conjunctival Inflammation after Amniotic Membrane Transplantation with or without Fibrin Glue for Pterygium  
*Ahmad Kheirkhah, MD*

**11:45** Corneal Manifestations of Ocular *Demodex* Infestation  
*Ahmad Kheirkhah, MD*

**12:00** Role of ProKera in Acute Chemical Burns Treatment: An Update  
*Victoria Casas, MD*

**12:15** Discussion

**12:30** Lunch Break (1 hour)

**13:40** AWARD LECTURE

**Winston Whei-Yang Kao, Ph.D.**

Benjamin And Louise Tate Professor of Ophthalmology  
Director of Ophthalmic and Connective Tissue Research,  
Ophthalmology, College of Medicine, University of Cincinnati,  
Cincinnati, Ohio, USA

**Growth Factors in Normal and Diseased Corneal Epithelium**

**2:40** INSTITUTIONAL REVIEWS

**Moderator: Shigeto Shimmura, MD**

- Kohji Nishida, MD, Tohoku University School of Medicine, Sendai, Japan
- John Dart, MA, DM, FRCOphthal, Moorfields Eye Hospital
- Scheffer C.G. Tseng, MD, PhD, Ocular Surface Research & Education Foundation, Miami, USA
- Shigeto Shimmura, MD, Keio University School of Medicine, Tokyo, Japan

**3:45** **CLOSING REMARKS**