



Session	Session Title	Research Areas	Keynote Speakers	Moderators
Thursday, September 23, 2010				
Day 1				
	Opening Remarks		Stefano Bonini (Italy)	
	Claes H. Dohlman Conference Address		Shigeru Kinoshita (Japan) – The ocular surface in health and disease	Stefano Bonini (Italy)
1	Sugar Can Be Good For You: Glycobiology & Mucins	Mucins, cornea & conjunctival epithelial cells, goblet cells, nerves, glycosylation, signaling, biochemistry, gene expression, regulation, functions, translational research, etc.	Tom Korfhagen (USA) – Goblet cell differentiation Michael A. Hollingsworth (USA) - Membrane mucins as multifunctional molecules	Pablo Argueso (USA) Monica S. Berry (UK)
2	International Dry Eye WorkShop: Updates	The Dry Eye WorkShop (DEWS) was an international workshop convened to review critically the classification, epidemiology, diagnosis, basic and clinical research, management and therapy, and clinical trial methodology of dry eye disease. The DEWS report, which required the efforts of over 70 people for several years, was published in The Ocular Surface in 2007 and is available in multiple languages at www.TearFilm.org. This session will feature recent advances in all DEWS topics.	Anthony J. Bron (UK) – Recent advances in defining and classifying dry eye disease Kelly K. Nichols (USA) – Epidemiology Murat Dogru (Japan) – Methodologies to diagnose and monitor dry eye disease Gary N. Foulks (USA) – Design and conduct of clinical trials Michael A. Lemp (USA) – Management and therapy Ilene K. Gipson (USA) – New research advances in understanding dry eye disease	Donald R. Korb (USA) John E. Sutphin (USA)
Poster Session 1				Thomas J. Millar (Australia)
				Friedrich P. Paulsen (Germany)
3	Reports from the International Workshop on Meibomian Gland Dysfunction (MGD)	The International Workshop on Meibomian Gland Dysfunction (MGD) was designed to: [a] conduct an evidence-based evaluation of meibomian gland structure and function in health and disease; [b] develop a contemporary understanding of the definition and classification of MGD;	Kelly K. Nichols (USA) – Introduction Erich Knop (Germany) – Anatomy, physiology & pathophysiology Kari Green-Church (USA) – Tear film lipids, and lipid-protein interactions in	James P. McCulley (USA) Eric B. Papas (Australia)

	<p>[c] assess methods of diagnosis, evaluation and grading of severity of MGD; [d] develop appropriate norms of clinical trial design to evaluate pharmaceutical interventions for the treatment of MGD; and [e] develop recommendations for the management and therapy of MGD. More information about this Workshop, which is currently ongoing, may be found at http://www.tearfilm.org/mgdworkshop/ This session will feature reports from this Workshop</p>	<p>health and disease</p> <p>J. Daniel Nelson (USA) – Definition & Classification</p> <p>Debra A. Schaumberg (USA) – Epidemiology of, and risk factors for, MGD</p> <p>Alan Tomlinson (UK) – Evaluation, diagnosis & grading of severity of MGD</p> <p>Penny A. Asbell (USA) – Design & conduct of clinical trials</p> <p>Gerd Geerling (Germany) – Management & therapy</p>	
<p>4 The Tearome: Not Just Hype</p>	<p>Lacrimal and meibomian glands, ocular surface cells, nerves, secretion, signaling, transport, biochemistry, gene expression, control systems, functions, sex differences, osmolarity, and translational research, as well as tear film biophysics, biomechanics, proteomics, lipidomics and glycomics, etc.</p>	<p>Miguel C. Seabra (UK) – Molecular mechanisms of regulated exocytosis</p> <p>Michal L. Schwartzman (USA) – Eicosanoids</p> <p>Kazuo Tsubota (Japan) – Impact of aging on the ocular surface</p>	<p>Ben Glasgow (USA)</p> <p>Gordon Laurie (USA)</p>

Day 2				
5	Late Breaking News: Sjögren's Syndrome	All aspects	John Harley (USA) – Genetics Barbara Caffery (Canada) – Clinical & biochemical aspects Denise L. Faustman (USA) – Embryogenesis, autoimmunity & treatment Simon Bowman (UK) – Quality of life Troy E. Daniels (USA) - Current status and future objectives of the Sjögren's International Collaborative Clinical Alliance	Esen K. Akpek (USA) Ammon B. Peck (USA)
6	Visual & Optical Effects of Tear Film Instability	All aspects of tear film instability	Carolyn Begley (USA) – Impact of tear film instability on visual acuity Larry N. Thibos (USA) – Optical effects of tear film instability	Pablo Artal (Spain) Christine Purslow (UK) Winston W. Kao (USA)
Poster Session 2				
7	Inflammation: A Cause or Consequence of Ocular Surface Disease	Inflammation, immunity, Toll-like receptors, allergy, etc.	To be announced – Inflammation: A cause or consequence of mucosal surface disease Reza Dana (USA) - Induction of CD4+ T cell mediated immunity in dry eye disease Robert L. Hendricks (USA) - Role of inflammation in HSV-1-induced stromal keratitis	Eduardo M. Rocha (Brazil) Virginia L. Calder (UK) Alison M. McDermott (USA)
8	The Best Defense is a Good Offense: Ocular Surface Infection	Bacteria, viruses, fungal, keratitis, Acanthamoeba and other infections	Suzanne M. J. Fleiszig (USA) – Bacterial-host interactions at the ocular surface Eric Pearlman (USA) – Fungal keratitis Noorjahan Panjwani (USA) – Impact of Acanthamoeba infection on the tear film and ocular surface	Gerald B. Pier (USA) Fiona J. Stapleton (Australia)

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Day 3				
9	Ocular Surface Regeneration & Reconstruction	Stems cells from all ocular surface tissues and adnexa, repair, regeneration	Masataka Ito (Japan) – Lacrimal gland regeneration	Dimitri T. Azar (USA)
			Graziella Pellegrini (Italy) – Ocular surface stem cells	Victor L. Perez (USA)
			Shigeto Shimmura (Japan) – Ocular surface reconstruction	
10	Drug, Preservative and Contact Lens Solution Interactions with the Tear Film and Ocular Surface	All aspects	Lyndon Jones (Canada) – Contact lens solutions	Teruo Nishida (Japan)
			Christophe Baudouin (France) – Effects of all topical drug preservatives on the tear film and ocular surface	John L. Ubels (USA)
Poster Session 3				Darren G. Gregory (USA)
11	Macro to Micro: New Imaging Approaches for Understanding the Ocular Surface	All aspects	Roberto Weigert (USA) - Imaging protein secretion in the exocrine glands of live animals by intravital microscopy	E. Ian Pearce (UK) Shukti Chakravarti (USA)
			Nathan Efron (Australia) – Ocular surface imaging	Jianhua Wang (USA)
12	New and Emerging Diagnostics and Treatments	Emerging diagnostic technologies, outcome measures, new therapies, etc	Franz Grus (Germany) – Relevance of tear film proteomics for the diagnosis of disease	José Alvaro P Gomes (Brazil)
			Alexander V. Kabanov (USA) – New polymer systems for delivery of therapeutics	Jun Shimazaki (Japan)
			James Chodosh (USA) – Keratoprostheses	
Closing Session			Sarah F. Hamm-Alvarez (USA) – Basic research perspective	Carlos Belmonte (Spain)
			Jason J. Nichols (USA) – Clinical research perspective	



Melissa Liew (USA) - Industry perspective

Closing Remarks

Carlos Belmonte (Spain)
