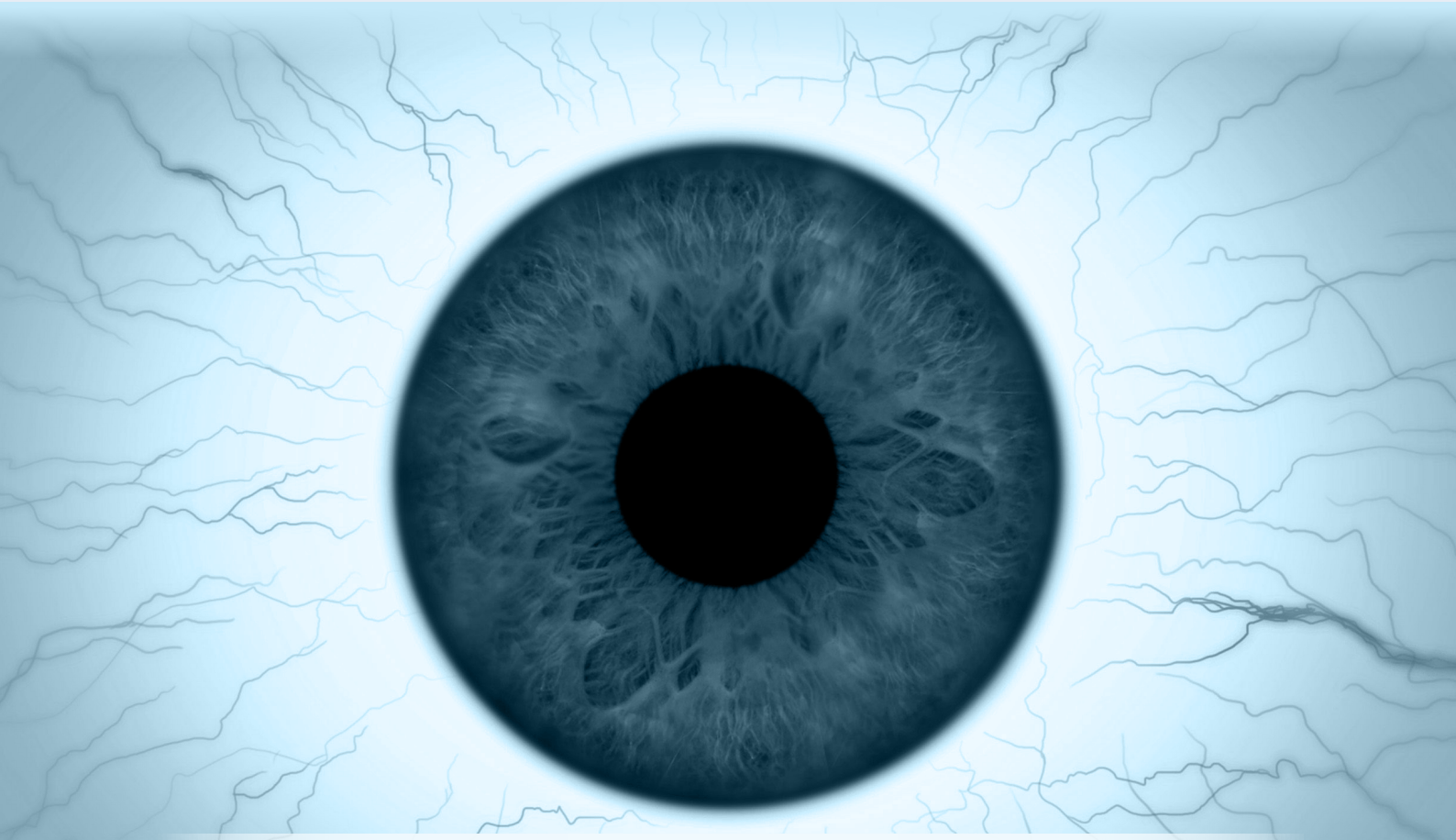
Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

3rd International Conference on
Clinical & Experimental Ophthalmology

April 15-17, 2013 Hilton Chicago/Northbrook, USA



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OMICS Group Conferences
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Day 1 April 15, 2013

08:00-09:00 Registrations

Almond

OMICS Group Conferences
Accelerating Scientific Discovery

09:00-09:20 **Opening Ceremony**

Keynote Forum

09:20-09:30 Introduction

09:30-09:55 **Chi-Chao Chan**
National Institutes of Health, USA

09:55-10:20 **Lea Hyvarinen**
Technical University of Dortmund, Germany

Coffee Break 10:20-10:35 @ Hickory

10:35-11:00 **Christopher Hekimian**
dxdt Engineering and Research, USA

11:00-11:25 **Sayon Roy**
Boston University School of Medicine, USA

Track 2: Ophthalmic Research and Drug Development
Track 3: Glaucoma

Session Introduction

11:25-11:45 **Lipase involvement in the retina-protective activity of PEDF**
S Patricia Becerra, National Eye Institute, USA

11:45-12:05 **Discovery of glaucoma pathogenic pathways and new therapeutic targets**
Abbot F Clark, Univeristy of North Texas Health Science Center, USA

12:05-12:25 **Modulation of erythrocyte nitric oxide bioavailability**
Carlota Saldanha, Institute of Biochemistry, Portugal

12:25-12:45 **Preventive interventions for rising intraocular pressure: Development of an observation scale**
Bonnie Molloy, Yale New Haven Health Systems, USA

Lunch Break 12:45-13:25 @ Hickory

Group Photo

13:30-13:50 **Toxoplasmic eye disease: Unraveling the role of the arginine methyltransferase 1 (PRMT1) during Toxoplasma infection**
Kamal El Bissati, University of Chicago Medical Centre, USA

13:50-14:10 **Lipid metabolites derived from ω-3 long chain polyunsaturated fatty acids promote choroidal neovessel regression**
Kip M Connor, Harvard Medical School, USA

14:10-14:30 **Superior oblique expander for correction of residual hypotropia in thyroid ophthalmopathy**
Moustafa S Abdelhafez, Magrabi Eye Center, Saudi Arabia

14:30-14:50 **Neurotrophic protection of retinal ganglion cells in a mouse model of ocular hypertension**
Xiaorong Liu, Northwestern University, USA

14:50-15:10 **Functionalized Nanoparticles for drug delivery, one and two photon photodynamic therapy as a promising treatment of retinoblastoma**
Audrey Gallud, Institut des Biomolécules Max Mousseron, France

Coffee Break 15:10-15:25 @ Hickory

Track 1: Recent Approaches in Clinical Ophthalmology

15:25-15:45 **Dynamic assessment of binocular coordination and functional implications**
Erik Viirre, University of California, USA

15:45-16:05 **Adjunctive role of methotrexate in infectious uveitis**
Ozlem Gurses Sahin, Dunya Goz Hospital, Turkey

16:05-16:25	**A comparative assessment of intraocular pressure in prolonged steep trendelenburg position vs. dorozolamide/timolol ophthalmic solution (Cosopt™) [DT] intervention** **Bonnie Molloy,** Yale New Haven Health Systems, USA
16:25-16:45	**Contact lenses fitting after intracorneal ring in keratoconus** **Luciane B Moreira,** Federal University of Parana, Brazil
16:45-17:05	**An essential role for NOD2 in mitigation of experimental autoimmune uveitis** **Holly L Rosenzweig,** Oregon Health & Science University, USA
17:05-17:25	**Adding inferior rectus to inferior oblique recession bilaterally alters horizontal deviation in primary position** **Moustafa S Abdelhafez,** Magrabi Eye Center, Saudi Arabia
	Panel Discussions
17:35-18:35	Cocktails sponsored by **Journal of Clinical & Experimental Ophthalmology** @ Hickory

Day 2 April 16, 2013

Almond

09:00-10:00	dxdt Engineering and Research	**Workshop** @ Almond

Empowering retina patients with an at-home monitoring capability
Christopher Hekimian, dxdt Engineering and Research, USA

Track 5: Ageing and Vision Impairment
Track 6: Current Trends and Research in Ophthalmology
Track 7: Ophthalmic Diseases

Session Introduction

10:00-10:20	**Emerging role of crystallin proteins in retinal neurodegenerative diseases** **Patrice E Fort,** University of Michigan, USA
10:20-10:40	**A new model of low vision rehabilitation** **Susan J Leat,** University of Waterloo, Canada
	Coffee Break 10:40-10:55 @ Pine
10:55-11:15	**Anti-VEGF treatment increases survival rate in high-risk corneal grafts** **Iva Dekaris,** University Eye Hospital Svjetlost, Croatia
11:15-11:35	**A comparative study of topical versus intrastromal injection plus topical voriconazole for treatment of deep or resistant fungal keratitis** **Ayman Ahmed Alkawas,** Zagazig University, Egypt
11:35-11:55	**Mismatched mesenchymal stem cells as an initial trigger of ocular chronic graft-versus-host disease following allogeneic bone marrow transplantation** **Yoko Ogawa,** Keio University School of Medicine, Japan
11:55-12:15	**Associations of VEGF polymorphisms in choroidal neovascularization secondary to high myopia** **Kenji Yamashiro,** Kyoto University, Japan
12:15-12:35	**Descemet stripping automated endothelial keratoplasty- Is a thinner donor lamella the better choice?** **Iva Dekaris,** University Eye Hospital Svjetlost, Croatia
12:35-12:55	**Renin-angiotensin system (RAS) involvement in the oxidative stress-Induced impairment of retinal neuronal cells** **Yoko Ozawa,** Keio University School of Medicine, Japan
	Lunch Break 12:55-13:40 @ Pine
13:40-14:00	**The involvement of lysosomal phospholipase A2 in ocular disease** **Miki Hiraoka,** Sapporo Medical University, Japan

Special Session: Pathogenesis of Retinal Degenerative Diseases

14:00-14:15	**New mechanisms and treatment modalities for retinal degenerative diseases** **Hemant Khanna,** University of Massachusetts Medical School, USA
14:15-14:35	**Potassium channelopathy leading to vitreoretinal degeneration** **Bikash R Pattnaik,** University of Wisconsin School of Medicine and Public Health, USA
14:35-14:55	**Ablation of the X-linked retinitis pigmentosa 2 (*Rp2*) gene in mice results in opsin mistrafficking and photoreceptor degeneration** **Linjing Li,** University of Massachusetts Medical School, USA
14:55-15:15	**Inositol phosphatase in primary cilia and eye development** **Yang Sun,** Indiana University, USA

Track 4: General Ophthalmology

Session Introduction

15:15-15:35	**(Pro)renin receptor is associated with angiogenic activity in proliferative diabetic retinopathy** **Susumu Ishida,** Hokkaido University Graduate School of Medicine, Japan

15:35-15:55	**A quantitative retina test grid** **Christopher Hekimian,** dxdt Engineering and Research, USA
	Coffee Break 15:55-16:20 @ Pine
16:20-16:40	**The effect of retinal stimulation on internal visualization systems** **Deborah Zelinsky,** Mind Eye Connection, USA
16:40-17:00	**Short-term surgical outcome of 25-gauge vitrectomy in epiretinal membrane with good visual acuity** **Hiroyuki Nakashizuka,** Nihon University School of Medicine, Japan
17:00-17:20	**Adding superior oblique expander to contralateral superior rectus recession in correction of vertical deviation on lateral gaze** **Moustafa S Abdelhafez,** Magrabi Eye Center, Saudi Arabia
17:20-17:40	**Traditional Chinese medicine compound eye ophthalmic preparation of slow-release preparation, and prevention and treatment of eye diseases of vascular disease** **Chaoying Li,** Chang Chun University of Traditional Chinese Medicine, China
17:40-18:00	**Impact of visual impairment on vision-specific quality of life among older adults living in nursing-home** **Mahesh Kumar Dev,** Children's Hospital for Eye Ear and Rehabilitation Services (CHEERS), Nepal
18:00-18:20	**Accommodation/vergence eye movements and neck/scapular area muscular activation: Gaze control with relevance for work related muskuloskeletal disorders** **Hans Olof Richter,** University of Gavle, Sweden
	Pine
16:30-17:30	**Poster Presentations**
17:30-18:30	Cocktails sponsored by **International Journal of Ophthalmic Pathalogy**

Day 3 April 17, 2013

Aspen I

Track 8: Ophthalmic Diagnostics
Track 9: Advances and Innovations in Ophthalmic Surgery
Track 10: Novel Approaches to Ophthalmology Therapeutics

	Session Introduction
09:00-09:20	**Identification of the bioactive molecular weight fractions that enhance RPE survival on AMD and aged Bruch's membrane** **M A Zarbin,** University of Medicine and Dentistry of New Jersey, USA
09:20-09:40	**Ultra structural and cellular changes in retinal vasculature during pathogenesis of diabetic retinopathy** **Sayon Roy,** Boston University School of Medicine, USA
09:40-10:00	**A novel approach to pathogenesis and treatment of Fuchs endothelial corneal dystrophy** **Alireza Ziaei,** Harvard Medical School, USA
10:00-10:20	**The neuroinflammatory microenvironment: implications for IL-6- and other cytokine-related therapies reinforced composite structure** **Rebecca M Sappington,** Vanderbilt University School of Medicine, USA
10:20-10:40	**An approach to reconstructing an outer retina from human embryonic stem cells to study pharmaceuticals and mechanisms of retinal degeneration** **Lawrence J Rizzolo,** Yale University School of Medicine, USA
	Coffee Break 10:40-10:55 @ Pine
10:55-11:15	**The therapeutic potential of 670nm light in retinal disorders** **Rizalyn Albarracin,** The Australian National University, Australia
11:15-11:35	**Early detection of age related macular degeneration using color fundus imaging: A telemedicine platform** **Alauddin Bhuiyan,** Commonwealth Scientific and Industrial Research Organization, Australia
11:35-11:55	**A review of cystic lesions of the orbit in upper Egypt children** **Abd El Nasser A Mohammad,** Assiut University Hospital, Egypt
11:55-12:15	**Treatment options of uveitis, current standards and what's coming** **David S Chu,** New Jersey Medical School, USA
Panel Discussions	
	Lunch Break 12:30-13:10 @ Pine
	Award Cermony