AGENDA

7:30 – 8:00am  Registration & Continental Breakfast

8:00 to 8:05  Welcome: Roger Steinert, MD
Director and Chair, Gavin Herbert Eye Institute and Department of Ophthalmology

FUTURE TREATMENTS FOR RETINAL AND OPTIC NERVE DISEASES

8:05 to 8:45  Marco A. Zarbin, M.D., Ph.D., (Institute of Ophthalmology & Visual Science, Rutgers University) - Cell-Based Therapy for Degenerative Retinal Disease

8:45 to 9:10  Alfredo Sadun, M.D., Ph.D., (Doheny Eye Center UCLA), - Diagnosis and Treatment of Leber Hereditary Optic Neuropathy

9:10 to 9:35  David Hinton, M.D., (Keck School of Medicine of USC) - The Mitochondrial-derived Peptide Humanin Protects RPE Cells from Oxidative Stress, Senescence and Mitochondrial Dysfunction

9:35 to 9:55  Henry Klassen, M.D., Ph.D., (GHEI, UC Irvine) - Retinal Progenitor Cells for Treatment of Retinitis Pigmentosa

10:00 to 10:15  BREAK and Poster Viewing

LASER AND TECHNOLOGIES FOR DIAGNOSIS AND TREATMENTS

10:15 to 10:40  Bruce Tromberg, Ph.D. (Beckman Laser Institute, UC Irvine) - Biophotonics and the Future of Personal Health Care

10:40 to 11:05  Eric Potma, Ph.D., (School of Physical Sciences, UC Irvine & Beckman Laser Institute) - Label-free nonlinear optical imaging in eye research
11:05 to 11:30  Matt Blurton-Jones, Ph.D. (Neurobiology and Behavior, Sue and Bill Gross Stem Cell Research Center & Institute for Memory Impairments and Neurological Disorders) - Using Stem Cells to Study the Immunology of Alzheimer's Disease

11:30 to 11:55  Richard Sudek, Ph.D. (UCI Applied Innovation Center, UC Irvine) - Moving Innovation from UCI to the Market

11:55 to 1:00  LUNCH and Poster Viewing

CELL THERAPIES FOR CORNEAL DISEASES

1:00 to 1:40  Victor Perez, M.D., (Departments Ophthalmology, Microbiology & Immunology, University of Miami Miller School of Medicine) - Utilization of a Pre-Clinical Model of Ocular Graft vs Host Disease to Develop Novel Preventive Therapies

1:40 to 2:20  James Funderburgh, Ph.D. (McGowan Institute for Regenerative Medicine, University of Pittsburgh) - Stem Cell Regeneration of Scarred Corneas- A Potential Role for Immune Modulation

2:20 to 2:45  James E. Hall, Ph.D., (Physiology & Biophysics, UC Irvine) - Aquaporins in the Lens: Trying to Understand a Water Gate

2:45 to 3:00  BREAK and Poster Viewing

INNOVATIVE RESEARCH TECHNOLOGIES

3:00 to 3:30  Terry Gaasterland, Ph.D. (Scripps Genome Center, UC San Diego) – Genome Variation in Regulatory Regions: Insights into Primary Open Angle Glaucoma

3:30 to 3:55  Sameh Mosaed, M.D. (GHEI, UC Irvine) - Aqueous Outflow Imaging and The New Wave in Glaucoma Surgical Management


4:20 to 4:50  Marjan Farid, M.D., Mary Dickson, B.S., and Elena Liang, B.S., (GHEI, UC Irvine) - Biomimetic Nanotopography to Control Cell Adhesion on an Artificial Cornea

5:00 to 6:30 pm  Cocktails and hors d’oeuvres at Beckman Center

Poster Awards: (1st Place $500; 2nd Place $300; 3rd Place $200)

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