BYIRC 2023

Byers Eye Institute Conference Room
Friday, April 21; 08:00 - 17:15

JOIN US
- Byers Eye Institute Conference Room
- Friday, April 21; 08:00 – 17:15

FOR CONFERENCE QUERIES:
- Amir Akhavanrezayat: akhavana@stanford.edu
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BYIRC 2023 is generously supported by the Byers Eye Institute, the Global Ophthalmic Research Center, and Mallinckrodt Pharmaceuticals.

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1. Motorized gimbal stage for rodent retinal imaging and vision testing - Karteek Kunala
2. Automatic loading of retinal images in Photoshop for image montage - Gaston A Ayubi
3. Comparison of macular Macrophage Like Cell and Müller Cell Density in Patients with Multiple Sclerosis using OCT - Sylvia-E. Villarreal Navarro
4. Investigating hyalocyte-like cells in epiretinal membranes using serially acquired optical coherence tomography - Brian T. Soetikno
5. A novel objective method to detect the foveal center point in the rtx1 device using artificial intelligence - Amir Akhavanrezayat

SESSION II: OCULAR IMAGING

1. Explantation of subretinal prostheses with planar and 3-D configurations - Mohajeet B. Bhuckory
2. Myt1 promotes neurogenesis during retinal development - Lobna Hamed
3. The role of stimulation selectivity in visual acuity with subretinal prostheses - Bing-Yi Wang
4. Correlation between fixed-luminance flicker full-field electroretinogram response and macular cone density using adaptive optics fundus camera - S. Saeed Mohammadi
5. Immune response attenuation for sub-retinal prosthesis - Nicharee Monkongpitukkul

SESSION III: RETINA - BASIC SCIENCE

1. Impact of crosslinking chemistry on corneal tissue regeneration after in situ forming collagen-hyaluronic matrix therapy - Thilinee Wungcharoen
2. Structure-function analysis of CNGA3-associated achromatopsia patient variants complements clinical genomics in pathogenicity determination - Ditte K. Rasmussen
3. Efficacy and Safety of Small Molecule Proteostatic Modulators in vitro and in the eye - Monica Sophia
4. High-resolution proteomic profiling of aqueous humor liquid biopsies identifies Semaphorin 7A as a novel effective therapeutic target for intraocular inflammation - Julian Wolf
5. Clinical and histological evaluation of corneal epithelial regeneration after different mechanical and chemical injuries - Athar Shadmani

BREAK

10:15 - 10:30

Prof. Napoleone Ferrara

KEYNOTE

11:30 - 12:00

LUNCH TIME

12:00 - 12:35

FUN GAME

12:35 - 12:45
SESSION I
RETINA - CLINICAL SCIENCE

1. Minimal Image Dam as an objective measurement for vitreous hemorrhages: Comparison of resolved versus persistent - Lipman, J. and Garcia-Sanchez, E.
2. Impact of High-Risk Features Associated with AMD Progression on Retinal Sensitivity - Houri, E. and Ema, S.
3. Efficacy and Safety of Tocilizumab for Refractory Posturgical Cystoid Macular Edema - Albright, B.
5. Nationwide incidence and prevalence of uveitis in South Korea using National Health Insurance Service database from 2010 to 2021 - Yang, S.

SESSION II
REPORTS AND NEWSLETTER

SESSION III
VEGETITIS AND OCULAR INFILTRATION

1. Exploratory look at the online Collaborative Ocular Tuberculosis Study (COTS) calculator to guide initiation of anti-tuberculosis therapy in patients with ocular tuberculosis - Zheng, Y. and Tang, A.
2. Efficacy and tolerability of subcutaneous repository corticotropin injection in ocular inflammation - Ngin, Y. and Yaw.
3. Assessment of the relationship between presence of active retinal vasculitis and aqueous flare values using laser flare meter - Anh, T.
4. Longitudinal changes of flicker electroretinogram parameters measured by Diopsys® in patients with retinal vasculitis - Azad, M.
5. Case series of neovascular glaucoma for active thyroid eye disease: Experience of adverse events in advanced age patients - Patchanomporn, C.

SESSION IV
RAPID FIRE SESSION

1. The association between frailty and visual field loss in U.S. adults - Itzak, A. and Bernstein, M.
2. Low-cost and low-latency pupil tracker for eye movement stabilization - Bartlomej, K.
3. Utilize - Choose Your Own Adventure Video Game & ADHD Screener - Steven, L.
4. Repeatability of full-field electroretinography parameters in patients with unilateral retinal vasculitis: coherence tomography - Vakil, B.
5. Flicker electroretinography findings in patients with unilateral non-infectious retinal vasculitis using Diopsys® NVDA device - Xu, L.
7. Clinical characteristics and management of non-infectious necrotising retinitis - Anand, K.
8. Natural History of Dry Age-Related Macular Degeneration (The OREGO Study) - Khabool, A. and Jonjua, M.

SESSION V
GLAUCOMA AND OPTIC NEUROPATHIES

2. Identifying Biomarkers for Visual Restoration Strategies in NFI-OPGs (Neuroinflammation - Optic pathway gliomas) - Timothy, L. and Johnson, II.
4. Neuroprotection of RGC-specific AFD4 Delation in Mouse Glaucoma Model - Li, J.
5. A Phase I Trial of Topical Insulin for Patients with Optic Neuropathies - Maridass, C.

SESSION VI
ADJOURN/RAFFLE