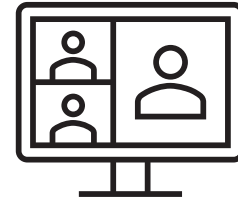
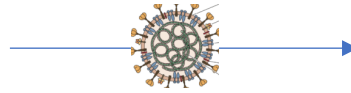


The Bowman Club meeting Friday 26th of March 2021 LIVERPOOL



A virtual meeting

Organizers: Esmail Arbabi, Mark Batterbury, Stephen Kaye, Nardine Menassa, Vito Romano

Abstracts and the Bowman Club lectures will be published in *BMJ Open Ophthalmology*

Programme

9:00-9:05 **WELCOME** - Stephen Kaye

9:05- 9:35 **CORNEAL FELLOWS PRIZE PRESENTATIONS**

Chair: Frank Larkin

- Micro-thin DSAEK versus DMEK: 12 months outcomes - [Artemis Matsou](#)
- Outcome of cross-linking for keratoconus in Down's syndrome - [Denise Vamos](#)
- Conjunctival biopsy site in Mucous Membrane Pemphigoid - [Giulia Coco](#)

9:35-10:30 **SURGICAL TECHNIQUES AND DIAGNOSTIC DILEMMAS**

Chair: Bruce Allan

- Don't it Make My Brown Eyes Blue & Gayle's crystals - [Angus Scott](#)
- Photodynamic to reduce CoNV in high-risk grafts - [David Lockington](#)
- Mini-DSAEK for corneal perforations & DM detachment - [Alfonso Vasquez-Perez](#)
- Corneal lenticule implantation for severe keratoconus - [Balasubramaniam Ilango](#)
- Donor preparation DMEK made easy - [Argyrios Tzamalīs](#)
- Donor preparation DMEK: adhering to the speed limit - [Davide Borroni](#)
- DMEK in aphakia - [Bruce Allan](#)

10:30 -12:00 **TRANSPLANT OUTCOMES**

Chair: Vito Romano

- Bowman's layer transplant – [Lynda van der Star](#)
- Keratoconus phenotypes for corneal ring implantation - [Luis Fernandez Vega Cueto](#)
- The paired donor study - [Lewis Downward](#)
- SARS-CoV-2 vaccination and rejection risk - [Frank Larkin](#)
- NHSBT UK Surgeon Corneal transplant outcomes- [Cathy Hopkinson](#)

12:00 – 12:30 BOWMAN CLUB QUIZ

Chair: Conor Murphy

12.30-13:00 Lunch

OCULAR SURFACE DISEASE

13:00-13:45 OCULAR SURFACE DISEASE: INFLAMMATION

Chair: Mark Batterbury

Monitoring of cicatrizing conjunctivitis with the use of the fornix depth measure -
[Saaeha Rauz](#)

Recalcitrant atopic kerato-conjunctivitis – [Sajjad Ahmad](#)

The genetic contribution to keratoconus - [Stephen Tuft](#)

13:45-14:45 OCULAR SURFACE DISEASE: INFECTION

Chair: Nardine Menassa

Contact lenses as antimicrobials - [Rachel Williams](#)

Benefits of a shared care network approach in managing STIs - [David Lockington](#)

Microbiome and ocular surface disease - [Anat Galor](#)

14:45-16:05 OCULAR SURFACE DISEASE: NEOPLASIA

Chair: Stephen Kaye

Ocular surface vasculature - from neovessels to neoplasia - [Bernhard Steger](#)

Bowman Club lecture: Ocular surface squamous neoplasia - [Carol Karp](#)

16.05-17.10 OCULAR SURFACE DISEASE: MANAGEMENT

Chair: John Dart

Bowman Club lecture: Novel Strategies for Management of Complex Corneal and
Ocular Surface Disorders - [Reza Dana](#)

17:10 AWARD OF FELLOWS AND BOWMAN CLUB QUIZ PRIZES

Chair: Stephen Kaye

Announcement of the winners of the Bowman Club quiz and Fellows presentations.

Carol L. Karp, MD

Professor of Ophthalmology

Richard K. Forster Chair in Ophthalmology

Dr. Ronald and Alicia Lepke Professorship in Cornea and Ocular Surface Disease

Bascom Palmer Eye Institute

900 NW 17th Street

Miami, FL 33136



Dr. Karp is a tenured Professor of Ophthalmology at The Bascom Palmer Eye Institute at The University of Miami School of Medicine and holds The Richard K. Forster Chair in Ophthalmology and The Dr. Ronald and Alicia Lepke Professorship in Cornea and Ocular Surface Diseases. She is an expert in the management of ocular surface tumors and anterior segment surgery. A graduate of Brown University, she did her residency at Kellogg Eye Center at The University of Michigan. Dr. Karp joined the faculty of Bascom Palmer Eye Institute in 1994, after completing a fellowship in cornea and external diseases at the center. In the late 1990s, Dr. Karp pioneered the use of interferon for the treatment for ocular surface squamous neoplasia.

A leader in ocular surface oncology, her research has produced several landmark articles on the topic. Her current interests are in the management of ocular surface tumours and ocular surface imaging using the ultra-high-resolution OCT.

Amongst her significant awards, Dr. Karp received the honour of being named in the 2019 Power list as one of the top 50 most influential ophthalmologists by The Ophthalmologist. In addition, she was given the 2019 Shaler Richardson, MD, Service to Medicine Award from The Florida Society of Ophthalmology, recognized for her great personal contribution to quality ophthalmic patient care. In addition, she was honoured with the Senior Achievement Award and the Secretariat Award from The American Academy of Ophthalmology (AAO) for her accomplishments and service to the AAO, serving on numerous task forces and regularly teaching at the AAO annual meetings. She also received the Mentorship Award from Women in Ophthalmology and the American Medical Association Women Physicians Sector in 2013. She was a co-chair of the Cornea Day for 3 years. Along with her service to the AAO, Dr. Karp serves on the executive committee of the Pan-American Academy of Ophthalmology as the secretary of English language and is a member of the prestigious American Ophthalmological Society. She is the co-director of the Inter-American Course in Clinical Ophthalmology (Curso). She has repeatedly been included in "Florida Super-doctors" and "Best Doctors in America". Outside of Bascom Palmer, Dr. Karp is an avid athlete, exercising daily in the wee hours of the morning.

Reza Dana MD, MSc, MPH

Claes H. Dohlman Professor of Ophthalmology

Director, Harvard-Vision Clinical Scientist Development Programme

Vice Chairman and Associate Chief of Ophthalmology for Academic Programmes

Director, Cornea & Refractive Surgery, Massachusetts Eye & Ear Infirmary

Senior Scientist, Schepens Eye Research Inst./Mass. Eye and Ear

Committee on Immunology, Harvard Medical School



Professor Reza Dana holds the Claes Dohlman Chair in Ophthalmology at Harvard Medical School where he is Vice Chairman and Associate Chief of Ophthalmology for Academic Programs. He is also Director of the Cornea Service at Massachusetts Eye and Ear, Senior Scientist and W. Clement Stone Scholar at The Schepens Eye Research Institute, and a faculty member of the Immunology graduate programme (Committee on Immunology) at Harvard Medical School. He leads the Laboratory of Corneal Immunology, Transplantation and Regeneration at The Schepens Eye Research Institute.

A graduate of Johns Hopkins and Harvard, his work focuses on the molecular and cellular mechanisms of ocular inflammation with applications in transplantation, regenerative medicine, autoimmunity and aging, scarring disorders, and angiogenesis. A Gold Fellow of ARVO, he has authored over 415 peer-reviewed articles and 120 reviews/book chapters. His published work has been cited more than 31000 times (h-index=88). He has been the recipient of multiple awards, including the ARVO Cogan and Friedenwald Awards, the Physician-Scientist Award, Senior Investigator Award and the Stein Innovation Award from Research to Prevent Blindness, the Alcon Research Institute Award, the Thygeson Lectureship, the Endre A. Balazs Prize from ISER and the Ellis Island Medal of Honor among others.

He is Editor-in-Chief of *Cornea*, Senior Associate Editor of *Ocular Surface*, Senior Editor of *Encyclopedia of the Eye*, and sits on the editorial boards of multiple other journals. In addition to his basic investigations, he leads a translational research program that has received 12 IND permits from the US FDA. He has trained over 130 fellows and graduate students from 34 countries in his laboratory, and over 80 fellows in his clinics to date. He is recipient of the A. Clifford Barger Excellence in Mentoring Award, the highest mentoring award bestowed at Harvard Medical School.

Anat Galor, MD, MSPH

Staff Physician, Miami VAMC

Associate Professor of Ophthalmology

Cornea Co-Fellowship Director

Bascom Palmer Eye Institute

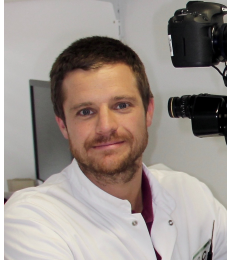


Dr. Galor is a cornea and uveitis trained specialist with a dual appointment at the Miami Veterans Affairs (VA) medical center and the Bascom Palmer Eye Institute, University of Miami Miller School of Medicine. Dr. Galor completed an ophthalmology residency at the Cole Eye Cleveland Clinic, a uveitis fellowship at the Wilmer Eye Institute, Johns Hopkins University, and a cornea and external diseases fellowship at Bascom Palmer Eye Institute. Dr. Galor currently runs the ocular surface program at the Miami VA and has focused her research on understanding mechanisms of pain in dry eye, with an emphasis on studying new diagnostic and treatment modalities.

She has lectured and published extensively on how nerve status may underlie the often noted disconnect between dry eye symptoms and signs. This includes individuals with decreased sensation and chronic epithelial abnormalities (neurotrophic phenotype) and individuals with hyper-sensitive nerves and chronic ocular pain with minimal ocular surface abnormalities (neuropathic phenotype). Over the years, she has participated in several dry eye related committees including the Tear Film and Ocular Surface Society (TFOS) Dry Eye Workshop (DEWS) II Pain and Sensation Committee and the Dry Eye Awareness Month Congressional Briefing. In addition, she served as President of the Ocular Microbiology and Immunology Group and sits on several educational committees within the Academy of Ophthalmology.

Bernhard Steger FEBO

Priv.-Doz. Dr Bernhard Steger
Associate Professor of Ophthalmology
Department of Ophthalmology
Medical University of Innsbruck



Bernhard Steger is Associate Professor of Ophthalmology at The Medical University of Innsbruck. A graduate of The Medical University of Innsbruck, he continued his ophthalmology specialisation at this institution until 2014. Following a clinical fellowship for cornea, cataract and refractive surgery at The University of Liverpool in 2015 he was appointed a tenure track position at his alma mater in 2016, where he was awarded The 'Venia Docendi' in 2017.

His clinical work comprises all aspects of corneal transplantation and ocular surface surgery. Bernhard Steger has a strong clinical research background in cornea and ocular surface pathology. In an ongoing scientific collaboration with The University of Liverpool he pursues a research focus on multimodal ocular surface imaging for diagnosis and treatment of corneal neovascularization, ocular surface inflammation and ocular surface neoplasia; the latter of which having recently become the main focus of attention, using intravenous angiography to characterize ocular surface neoplastic lesions.

Prof. Steger is also involved in promoting technological innovation in Ophthalmology and works on developing an imaging module for improved and standardized ocular surface color photography and tele-ophthalmological application. In addition to numerous innovation awards he was awarded the 2020 Science-2-business Award of The Republic of Austria. Outside work he is husband and father of four children with a passion for archery and cross-country skiing.