

OPHTHALMIC DEVICES PANEL ROSTER

AUGUST 1-2, 2002 MEETING

CHAIR

JAYNE S. WEISS, M.D.

Dr. Weiss, a specialist in corneal and refractive surgery, is Professor of Ophthalmology and Pathology, Director of Refractive Surgery, and Director of Ophthalmic Pathology at the Kresge Eye Institute, Wayne State University in Detroit, Michigan. Dr. Weiss received her M.D. from the Mt. Sinai School of Medicine in New York with fellowships in ocular pathology at Harvard University's Massachusetts Eye and Ear Infirmary in Boston and in corneal disease and refractive surgery at Emory University in Atlanta. Dr. Weiss has served as a regular member of the National Institutes of Health Visual Sciences Study Section for the National Eye Institute and is Principle Investigator of an RO1 grant on Genetic Mapping of Schnyder's Crystalline Corneal Dystrophy. She is currently a member of the research committee of the Eye Bank Association of America as well as multiple American Academy of Ophthalmology Panels including the Preferred Practice Patterns Cornea/External Disease Panel, the Basic and Clinical Science Course (BCSC) on Cornea/External Disease and chairs the recently created BCSC on Refractive Surgery. She is a member of the editorial board of Cornea and is a reviewer for many other ophthalmology journals. Dr. Weiss is nationally and internationally recognized for her lectures and publications.

VOTING MEMBERS

ARTHUR BRADLEY, Ph.D.

Dr. Bradley is Associate Professor of Optometry and Visual Sciences and Adjunct Professor of Neural and Cognitive Science at Indiana University, Bloomington, IN. He is a graduate of Reading University, England, and has a Ph.D. in physiological optics from the University of California, Berkeley. He has been a principal investigator for the National Eye Institute (NIH), NASA, and USAF. His research interests include optics of the eye, spatial vision, assessment of night vision systems, and entoptic assessment of retinal vasculature. Dr. Bradley has authored over 100 publications in the field of visual optics and spatial vision. He consults on optics of the eye for the US Department of Defense and reviews research proposals and reports for several branches of the US government. Dr. Bradley is a recognized authority on the optics of the human eye and optical strategies for enhancing vision.

MICHAEL R. GRIMMETT, M.D.

Dr. Grimmatt is an Assistant Professor of Ophthalmology at the Bascom Palmer Eye Institute of the University of Miami School of Medicine. He graduated from Loyola Marymount University in Los Angeles, CA and received his M.D. from the University of California at Irvine. Dr. Grimmatt is board certified in both internal medicine and ophthalmology and completed his fellowship in corneal and external disease at the University of Minnesota in Minneapolis in 1993. He is a recognized expert on the medical/legal/ethical issues associated with refractive surgery, publishing *The Call of the Sirens, Ethically Navigating the Sea of Nonvalidated Therapies*, in the Journal of Refractive Surgery, the journal of the International Society of Refractive Surgery. He is a peer reviewer for the Journal of Refractive Surgery, the American Journal of Ophthalmology, and Cornea. Dr. Grimmatt has been actively involved in the Eye Bank Association of America since 1994, and contributes his expertise to the American Academy of Ophthalmology's continuing medical education (CME) program and the development of their CME website.

ALICE Y. MATOBA, M.D.

Dr. Matoba is an Associate Professor in the Department of Ophthalmology at the Baylor College of Medicine in Houston, TX. and is a recognized expert on corneal and external disease and anterior segment surgery. She received her M.D. from Yale School of Medicine and completed a fellowship in corneal and external disease at the Cullen Eye Institute at the Baylor College of Medicine. Dr. Matoba has published extensively and is recognized internationally for her presentations on many clinical aspects of infectious corneal diseases, contact lenses and intraocular lenses, and corneal transplants. Since 1995, she has been the Chairman of the American Academy of Ophthalmology's Cornea/External Disease Panel and serves as peer reviewer for numerous journals including Archives of Ophthalmology, Investigative Ophthalmology and Visual Science, Current Eye Research, and the Journal of Refractive Surgery.

CONSULTANTS**KAREN BANDEEN-ROCHE, Ph.D.**

Dr. Bandeen-Roche is an Associate Professor of Biostatistics in the School of Hygiene and Public Health, The Johns Hopkins University, in Baltimore, MD. She graduated from the Andrews University in Berrien Springs, MI and received her master's and doctorate in Operations Research and Industrial Engineering from Cornell University in Ithaca, NY. Dr. Bandeen-Roche has contributed extensively to many publications including the American Journal of Epidemiology, Investigative Ophthalmology and Vision Science, and the Journal of American Statistical Association, Biometrika, and Statistics in Medicine. She is nationally recognized in the professional areas of multivariate and longitudinal data analysis, quality of life assessment, and clinical study issues. She has authored journal articles on research related to ophthalmic issues, particularly with respect to the non-invasive assessment of the visual system, women's health, and aging. In 1997, Dr. Bandeen-Roche was awarded a Brookdale National Fellowship for excellence in research on aging. A paper she co-authored received the American Academy of Optometry's 1999 Garland Clay Award as the most cited paper in the preceding five years' issues of Optometry and Vision Science.

MARK A. BULLIMORE, MCOptom, Ph.D.

Dr. Bullimore is an Associate Professor at The Ohio State University College of Optometry. He received his optometry degree and Ph.D. in Vision Science from Aston University in Birmingham, England. Prior to joining the faculty at OSU, Dr. Bullimore spent eight years at the University of California at Berkeley. Dr. Bullimore is the Editor of Optometry and Vision Science, the journal of the American Academy of Optometry. He is a member of the Editorial Board of the Journal of Refractive Surgery. His research interests include low vision, myopia, and refractive surgery, and he has received a grant from the National Eye Institute to investigate adult myopia progression. He also holds a Short-Term Training Grant (T35) from the Institute.

STEPHEN A. BURNS, Ph.D.

Dr. Burns is a Senior Scientist at the Schepens Eye Research institute and an Associate Professor at Harvard University in Boston, MA. He received a B.S. in Engineering from Lehigh University and a Ph.D. in Biophysics from the Ohio State University. He has completed postdoctoral studies in normal color vision and the effects of disease processes on the eye. Dr. Burns has served as Associate Editor for Biomedical Optics for Applied Optics and is currently the topical editor for the Journal of the Optical Society of America for clinical and applied vision. His research interest lies in the optics and biology of the photoreceptors of the eye. He has helped develop new methods for measurement of the bleaching and regeneration of human photo pigments and for imagine the waveguide properties of the human cone photoreceptors in vivo. In addition, he has helped develop several electro-optical devices for visual testing in both retinal diseases and for corneal surgery. Dr. Burns has authored numerous publications and abstracts and is recognized internationally for his expertise.

ANDREW J. HUANG, M.D., M.P.H.

Dr. Huang is an Associate Professor and the Director of the Cornea and External Disease Service of the Department of Ophthalmology at the University of Minnesota in Minneapolis. He received his medical doctorate at National Taiwan University, a Masters of Public Health as well as a post-doctoral fellowship in the Division of Biophysics from The Johns Hopkins University School of Public Health. He completed a research fellowship at the Eye Research Institute and Massachusetts Eye and Ear Infirmary, Harvard Medical School and his ophthalmic residency training and clinical corneal fellowship at the Bascom Palmer Eye Institute, University of Miami. Dr. Huang has published numerous peer-reviewed journal articles as well as book chapters on the management of cornea and external diseases. He has lectured extensively to international organizations and is an active participant in Project Orbis, volunteering for numerous missions to provide ophthalmic education and clinical service to underdeveloped countries.

LEO J. MAGUIRE, M.D.

Dr. Maguire is an Associate Professor of Ophthalmology, at the Mayo Medical School and a Consultant to the Department of Ophthalmology at the Mayo Clinic in Rochester, MN. He was graduated from the Thomas Jefferson Medical College in Philadelphia, PA and completed a fellowship in Cornea and External Disease and Refractive Surgery at the Louisiana State University Medical Center in New Orleans, LA. Dr. Maguire currently serves on the editorial board of the American Journal of Ophthalmology. He is a peer reviewer of numerous journals of ophthalmology related to refractive and corneal surgery, vision science, and contact lenses. Dr. Maguire has published and lectured extensively on corneal topography and its application to keratorefractive surgery, keratoconus, ectatic corneal degeneration, and associated optical and public health issues.

WILLIAM D. MATHERS, M.D.

Dr. Mathers is a Professor of Ophthalmology at the Oregon Health Sciences University, Casey Eye Institute in Portland, OR. He received undergraduate education at Allegheny College, and his medical doctorate at Stanford University. After a residency in ophthalmology at the University of Washington, he completed a fellowship in Cornea and External Disease at Georgetown University Medical School in Washington, DC. Dr. Mathers is very active in research and has been a principal investigator on many National Institutes of Health grants related to tear production and dry eyes, the molecular genetics of corneal dystrophys, and acanthamoeba keratitis. In addition, he has served on the NIH study section, multiple editorial boards and as president of CLAO (Contact Lens Association Organization and the Pan American Association for Contact Lenses and Refraction. Dr. Mathers has authored many publications and book chapters and is internationally recognized for his clinical expertise and scholarship.

CYNTHIA OWSLEY, Ph.D.

Dr. Owsley is Professor of Ophthalmology in the School of Medicine and Co-Director of the Center for Research on Applied Gerontology at the University of Alabama at Birmingham. She has a Ph.D. in Experimental Psychology from Cornell University, holds an M.S.P.H in Epidemiology, and has completed post-doctoral training in vision and aging at Northwestern University, Evanston, IL. Dr. Owsley served as the Chair of the Planning Panel on Vision Impairment and Rehabilitation for the National Eye Institute's National Plan for 1999-2003 and has worked on NIH projects on the quality of life impact of aging-related vision impairment and eye disease. She is currently a member of the Editorial Board of Vision Research and is serving on the Committee for Safe Mobility of Older Persons with the Transportation Research Board of the National Research Council (NRC). Her prior service with the NRC has been as a member of the Committee on Vision which reported on the Measurement of Visual Field and Visual Acuity for Disability Determination.

WILLIAM H. SWANSON, Ph.D.

Dr. Swanson is a Senior Research Scientist in the Department of Clinical Sciences at the State University of New York College of Optometry in New York, NY. He completed a Ph.D. in Biophysics and Theoretical Biology and a fellowship in Ophthalmology and Visual Science at the University of Chicago. The long-term focus of Dr. Swanson's research has been to relate visual function loss to underlying cellular pathophysiology. The current focus of his research is the use of chromatic perimetry in patients with glaucoma and quantitative modeling of responses of retinal ganglion cell mosaics to perimetric stimuli. He has published numerous studies on glaucoma, retinitis pigmentosa, hereditary macular degeneration, congenital color vision defects, amblyopia, as well as basic studies in color vision and is nationally recognized for his expertise in vision science.

CONSUMER REPRESENTATIVE**GLEND A V. SUCH, M.Ed.**

Ms. Such is the Director of Computer Training Program, Department of Career Services, Lighthouse International in New York, NY. She received her Bachelor of Arts in Psychology and Pre-Law at Norwich University in Montpelier, VT and a Master of Education in Education of the Visually Impaired at the Pennsylvania College of Optometry in Philadelphia, PA. She is a recognized expert in the field of adaptive technology for visual impairments and the functional implications of visual disabilities, particularly low vision. In addition to teaching students who are visually impaired, she lectures at Temple University Graduate School, Harcum College, and Saint Joseph's University Graduate School in areas relating to working with clients who are visually impaired. She served for four years as a board member of the Council of Citizens with Low Vision International and was a member of the Institutional Review Board of Pennsylvania College of Optometry.

INDUSTRY REPRESENTATIVE**RONALD E. McCARLEY**

Mr. McCarley is President, CEO and founder of Ophtec USA, Inc. an ophthalmic medical device firm that manufactures cataract, refractive and iris reconstruction implants in Boca Raton, FL. He has over 19 years experience in domestic and international business operations and extensive knowledge in the areas of regulatory affairs, clinical studies and quality assurance. Mr. McCarley has participated in bringing a wide range of ophthalmic devices to market through positions he has held with small manufacturers as well as large firms. In addition, he has demonstrated leadership within the device industry through his participation in the International Standards Organization and American National Standards Institute standards development working groups.