



# Annual Meeting Participant Disclosures



## A

**Thomas M Aaberg Jr MD:** Alcon Laboratories, Inc.: C; Bausch+Lomb: C; Castle Laboratories: C; True Vision: C

**Vinay K Aakalu MD MPH:** Department of Defense: S; Horizon Pharma: C; IA Collaborative: C; National Eye Institute: S; Veterans Affairs Office of Research and Development: S

**Maria Mendicino Aaron, MD:** None;

**Murali Krishnamachary Aasuri, MD:** None;

**Ashkan M Abbey, MD:** Alimera Sciences, Inc.: C; Allergan: C,L; GENENTECH: C,L; Novartis Pharma AG: L,C; Spark Therapeutics, Inc.: L

**Richard L Abbott, MD:** MacRegen: C,O; Ocumension: C; Santen, Inc.: C

**Hosam Abdalla, MBBS:** None;

**Michael D Abramoff MD PhD:** IDx Technologies, Inc.: C,E,O,P

**Gary W Abrams MD:** Retrosense Therapeutics, LLC: C,O

**David H Abramson MD FACS:** None;

**Mark D Abruzzo JD:** None;

**Usiwoma E Abugo, MD:** None;

**Thomas Ach MD:** Alimera Sciences, Inc.: L; National Eye Institute: S

**Nisha Acharya MD:** Abbvie: S; National Eye Institute: S

**Murtaza K Adam, MD:** Alcon Laboratories, Inc.: S; Allergan, Inc.: C; GENENTECH: C; Novartis, Alcon Pharmaceuticals: L

**Chrysavgi Adamopoulou MD:** None;

**Ron Afshari Adelman MD MPH:** None;

**Natalie A Afshari MD:** Aescula Tech: C,O; Alpine Biotherapeutics: C,O; Dompé Pharmaceuticals: C; National Eye Institute: S; Research to Prevent Blindness: S; Trefoil: C,O

**Amar Agarwal MD:** Jaypee-Highlights Medical Publishers: P; Mastel Precision: P; SLACK Incorporated: P; STAAR Surgical: C; Thieme Medical Publishers: P

**Anita Agarwal MD:** None;

**Ashar Agarwal, MBBS:** None;

**Ashvin Agarwal, MD:** None;

**Athiya Agarwal MD:** None;

**Rinky Agarwal, MBBS, MS:** None;

**Rupesh Agrawal MBBS DMS FRCS:** None;

**Iqbal K Ahmed MD:** Acucela: C; Aerie Pharmaceuticals: C; Alcon Laboratories, Inc.: C,L,S; Allergan, Inc.: C,L,S; ArcScan: C; Bausch+Lomb: C; Beaver-Visitec International, Inc.: C; Camras Vision: C; Carl Zeiss Meditec: C,L,S; Ellex: L; Elutimed: C; Envisia: C; Equinox: C; ForSight Labs: C; Glaukos Corporation: C,O,S; Gore: C; Iantech: C; InjectSense: C; IRIDEX: C; iStar: C; Ivantis: C,S; Johnson & Johnson Vision: C,S; KeLoTec: C; LayerBio: C; Leica: C; MicroOptx: C; New World Medical Inc: C,S; Omega Ophthalmics: C; PolyActiva: C; Sanoculis: C; Santen: C; ScienceBased Health: C; Sight Sciences: C; Stroma: C; Transcend Medical: C; TrueVision: C; Vizzario: C,S

**Ahmet Akman, MD:** Abdi Ibrahim Pharmaceuticals: L; Alcon Laboratories, Inc.: C,L; Bilim Pharmaceuticals: C,L; Liba Pharmaceuticals: L; Novartis, Alcon Pharmaceuticals: L

**Yonca A Akova MD:** Abdi Ibrahim: C; Alcon Laboratories, Inc.: C; Allergan: C; deva: C

**Esen K Akpek MD:** Allergan, GORE & Associate: S; Bausch : S; Keralink-Medical Director: C; Novalique: C; Novartis Pharma AG: C; Regeneron Healthcare Solutions Inc: C; Shire: C; Sun Ophthalmics: C; Up-to-date: P; Upaid member of Board of Directors, Sjogren's Foundation: C

**Zeynep Aktas, MD:** None;

**Lama A Al-Aswad, MD, MPH:** Aerie Pharmaceuticals, Inc.: C; GlobeChek: O; New World Medical Inc: S; Save Vision Foundation: S; Topcon Medical Systems Inc.: S; Zeiss: S

**Shaza Nizar Al-Holou, MD:** None;

**Zaina N Al-Mohtaseb MD:** alcon: C; Bausch + Lomb: C; Johnson & Johnson Vision: C

**Samar Ayed Al-Swailem MD:** None;

**Ramzi Alameddine, MD:** None;

**Daniel M Albert MD FACS:** None;

**Deborah M Alcorn MD:** Go Check Kids: C

**Anthony J Aldave MD:** Avellino Laboratories: C; ClearView Healthcare Partners: C; CoA Therapeutics: C; CorNeat: C; Department of Defense: S; Dompe: C; Eye Bank Association of America: S; Gore: C; Guidepoint: C; Health Advances: C; Kala: C; KeraLink: L;



LifeSciences Consultants: C; National Eye Institute: S; Shire: C; SightLife: L; System Analytic: C; Unity Biotechnology: C

**Mark A Alford MD:** None;

**Fatimah Abbas Alhammad, MBBS:** None;

**Asim Ali MD:** Santen, Inc.: C

**Ferhina S Ali, MD:** GENENTECH: E; Voyant Biotherapeutics: C

**Mohammad J Ali, MBBS MS:** None;

**John M Aljian MD:** None;

**Richard C Allen MD PhD:** Horizon Pharma: C

**Noel A Alpins MD FACS:** Assort Surgical Management Systems: O,P

**Michael M Altaweel MD:** Alcon Laboratories, Inc.: S; National Eye Institute: S; Opsis: C

**Daniela Alvarez-Ascencio, MD:** None;

**Amal M Alwreikat, MD, MBBS:** None;

**Amer Mosa Alwreikat, MD:** None;

**Malena M Amato MD:** None;

**Renato Ambrosio Jr MD:** Alcon Laboratories, Inc.: C; Allergan: L; Carl Zeiss Inc: L; Essilor Instruments: L; Mediphacos: L; Oculus, Inc.: C

**Guillermo Amescua MD:** None;

**Anas A Anbari MD, PhD, FACS:** None;

**Daniel M Anderson, MD:** None;

**David E Anderson, MS, PHD:** None;

**Joao L Andrade Neto, MD:** None;

**Christopher M Andreoli MD:** None;

**Bryan CH Ang, MD:** Allergan, Inc.: C,S; Glaukos Corporation: S; Santen, Inc.: L

**Ricardo Angeles:** None;

**Florent Aptel MD PHD:** Allergan: C; Glaukos Corporation: C; Novartis Pharma AG: C; Santen, Inc.: C; Théa: C

**James V Aquavella MD:** None;

**Lisa B Arbisser MD:** Mynosys: C,O

**Steven M Archer MD:** None;

**J Fernando Arevalo MD FACS:** Allergan Inc: C,L; Bayer Healthcare Pharmaceuticals: C,L; DORC International, bv/Dutch Ophthalmic, USA: C,L; EyEngineering Inc.: C; Mallinckrodt: C; Springer SBM LLC: P; Topcon Medical Systems Inc.: L,S; Turing Pharmaceuticals LLC: C

**Aron M Arkon:** None;

**Anthony C Arnold MD:** Gensight: C; Pfizer: C

**Kyle A Arnoldi CO:** None;

**Mary E Aronow, MD:** None;

**Steve A Arshinoff MD:** Alcon Laboratories, Inc.: C; ArcticDx, Inc.: C,O; Carl Zeiss Meditec: C; Entod International: C; Rayner Intraocular Lenses Ltd: C

**Bryan P Arthurs MD FRCS:** None;

**Samuel Asanad, BS:** Research to Prevent Blindness: S

**Penny A Asbell MD FACS:** Allergan: C; Bausch+Lomb: C,S; Contact Lens Association of Ophthalmologists: C; MC2: C,S; Medscape: L; Miotech: C,S; NEI: S; Novartis Pharmaceuticals Corporation: C,S; Oculus, Inc.: L; Office of Dietary Supplements, NIH: S; Rtech: C,S; Santen, Inc.: L; ScientiaCME: L; Shire: C; Vindico: L

**Sanjay G Asrani MD:** Aerie Pharmaceuticals, Inc.: C; Bausch + Lomb: C; Camras Vision: C; Noveome Biotherapeutics: C; Regenexbio: C

**Ahmed H Assaf FRCS:** None;

**Ehud I Assia MD:** APX Ophthalmology: O,P; Biotechnology General: C; Corneat: S; Hanita Lenses Ltd: C,P; IOptima Ltd: O; Visidome: O,P; Vision Care Inc.: C

**Neal H Atebara MD:** None;

**Isabelle Audo:** Fondation de France: S; Fondation Voir et Entendre: S; Fondation Fighting Blindness: S; Inserm: S; Institut Carnot: S; Labex: S; Retina France: S; Unadev-Aviesan: S

**Gerd U Auffarth MD:** Abbott: C,L,S; AcuFocus, Inc.: S; Alcon Laboratories, Inc.: C,L,S; Alimera Sciences, Inc.: S; Anew: S; Bausch + Lomb: L; Biotech Europe Meditech, Inc. Ltd.: S; Carl Zeiss Inc: L,S; Contacmac, England: S; Glaukos Corporation: S; HEIKA, Heidelberg-Karlsruhe University Research Programm: S; Hoya, Japan: L,S; Klaus Tschira Foundation, Germany: S; KOWA, Japan:



L,S; Novartis Pharmaceuticals Corporation: S; Oculentis GmbH, Germany: L,S; Oculus, Inc.: L,S; PHYSIOL, Belgium: S; Presbia Ltd.: O; Rayner Intraocular Lenses Ltd: S; Santen, Inc.: S; SIF Ltd. Italy: S; Ursapharm: L,S

**Tin Aung, FRCS PhD:** Alcon Laboratories, Inc.: C; Allergan: C,L,S; Belkin Laser: C; Mundi Pharma: L; Novartis, Alcon Pharmaceuticals: C,L,S; PH-Pharma: C; Santen, Inc.: C,L,S; Sun Pharma: C,L

**James Drake Auran MD:** None;

**Thomas James Avallone, MD:** None;

**Robert A Avery DO:** Department of Defense: S; National Eye Institute: S; Ozmosis: C

**Brandon Ayres MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; Bausch+Lomb: L; CorneaGen: C; Novartis, Alcon Pharmaceuticals: C; omeros: C; shire: C; Tear Lab: C

**Dimitri T Azar MD:** Novartis, Alcon Pharmaceuticals: C; Verily Life Sciences: E

## B

**Brandon J Baartman, MD:** Allergan, Inc.: C; Equinox: C; Refocus Group: C; Sight Sciences, Inc.: C,L

**Darron A Bacal MD:** None;

**Federico Badala MD:** None;

**Shamik Bafna MD:** Ocular Therapeutix: S

**Jane A Bailey MD:** None;

**Steven T Bailey MD:** None;

**Siddharth Baidur, MD:** None;

**Jasmina Bajric, MD:** None;

**Carl W Baker MD:** Allergan: S; GENENTECH: S; Novartis, Alcon Pharmaceuticals: S; NovoNordisk: C; Regeneron Pharmaceuticals, Inc.: S

**Brock K Bakewell MD:** Acufocus: S; Johnson & Johnson Vision: S

**Sophie J Bakri MD:** Alimera: C; Allergan: C; Eyepoint: C; Kala Pharmaceuticals: C; Novartis, Alcon Pharmaceuticals: C; Roche: C

**Ashraf Armia B Balamoun, FRCS, MD:** None;

**Belinda C Baldwin, CPC, OCS:** agnite health llc: E

**Eyal Banin MD PhD:** cell cure: C,P

**Alay S Banker MD:** None;

**Mayank Bansal, MD:** None;

**James T Banta MD:** None;

**Jeanine A Baqai MD:** None;

**Alireza Baradaran-Rafii MD:** None;

**Sheila C Barbarino, MD:** None;

**Andrew J Barkmeier MD:** None;

**Alan Lowinger Barlow, MD:** None;

**William R Barlow MD:** None;

**Anne Barmettler MD:** None;

**Howard Barnebey MD:** aerie: C,L,S; Alcon Laboratories, Inc.: C; Allergan: C,S; Bausch + Lomb: L; Heidelberg Engineering: L; Inn focus: S; Optovue, Inc.: S; Vi-Sci: C,S

**Scott D Barnes MD:** STAAR Surgical: E

**Scott D Barnes, MD:** None;

**George B Bartley MD:** None;

**Keith Barton, MBBS:** Advanced Ophthalmic Implants Pte: C,P; Alcon Laboratories, Inc.: C,S; Allergan: C,L,S; Aquesys: C,O; Calpain Therapeutics: C; Carl Zeiss Meditec: C; EyeD Pharma: C; Glaukos Corporation: C; International Glaucoma Surgery Registry Ltd: O; iStar: C; Ivantis: C; Kowa: C; London Claremont Clinic Ltd: O; MedEther Ophthalmology Ltd: O; PhPharma: C; Santen, Inc.: C; Thea: C,S; Transcend Medical: C; Vision Futures (UK) Ltd: O; Vision Medical Events Ltd: O

**Samar K Basak MD FRCS MBBS:** Jaypee Brothers Publishers: P; Novartis, Alcon Pharmaceuticals: C; Santen, Inc.: C

**Soham Basak, MBBS:** None;

**Surendra Basti MBBS:** Johnson & Johnson Vision: C; Shire Inc.: C

**Sayan Basu, MBBS, MS:** None;

**Shehzad Batliwala, DO:** None;

**Alex Bauer:** None;



**Matthew M Baugh, COT, MHA, OCS, OCSR, OSC:** None;

**Caroline R Bauml MD:** Allergan, Inc.: C; Carl Zeiss Inc: L; GENENTECH: C,L; Novartis Pharma AG: L; Ocular Therapeutix: C; ThromboGenics: C

**Atila Bayer MD:** None;

**Robert M Beardsley MD:** AbbVie: L

**Hilary A Beaver MD:** None;

**Allen Dale Beck MD:** Allergan: S

**Bruce B Becker MD:** Armadillo Biomedical LLC: O

**Edward H Bedrossian, Jr. MD FACS:** None;

**Umesh Chandra Behera MS:** None;

**Irmgard Behlau, MD:** None;

**Soroosh Behshad, MD:** None;

**George Beiko MD:** Bausch + Lomb: C,S; Bayer: C; Glaukos Corporation: C; infinite vision: C; Johnson & Johnson Vision: C; Labtician: S; Zeiss: C

**Rubens Belfort Jr, MD, PHD:** None;

**Michael W Belin MD:** Avedro, Inc.: C; CXLO: C; Oculus, Inc.: C

**Jean Bennett MD PhD:** Akouos: C; Limelight Bio: O,S; NightStar: C; Odyllia: C; ProQR: C; Roche Diagnostics: C; Sparing Vision: C; Spark Therapeutics, Inc.: S

**John P Berdahl MD:** Alcon Laboratories, Inc.: C; Alcon: C; Allergan: C,L; Aurea: C,O; Avedro: C; Bausch+Lomb: C; Calhoun Vision, Inc.: C; Clarvista: C; Digsight: C,O; Envisia: C; Equinox: C,O; Glaukos Corporation: C,O; Imprimis: C,P; Johnson and Johnson: C; Ocular Surgical Data: C,O; Ocular Therapeutix: C; Omega Ophthalmic: C,O; Oyster Point: C,O; Rx sight: C; Vittamed: C

**Gregg J Berdy MD:** Aerie: C; Alcon Laboratories, Inc.: C,L; Allergan, Inc.: C,L; Bausch & Lomb Surgical: C,L; Bio-Tissue, Inc.: L; ImprimisRx: C; Ocular Science: C,L; Shire: C,L; Sun Pharma: C,L; TearScience, Inc.: C

**Peter D Berger:** None;

**Michael S. Berlin, MD:** EyeLight: P

**Eric L Berman MD:** None;

**Francesco P Bernardini MD:** Allergan: L; Teoxane: C

**Daniel M Bernick, JD, MBA:** Health Care Group Inc: C,E,O

**David A Berntsen, PHD, OD:** Bausch + Lomb: S; National Eye Institute: S; Visioneering Technologies, Inc.: C

**Audina M Berrocal MD:** Alcon Laboratories, Inc.: C; DORC International, bv/Dutch Ophthalmic, USA: C,L; phoenix: C; VISUNEX: C; zeiss: C

**Maria H Berrocal MD:** Alcon Laboratories, Inc.: C,L; Allergan: L,C; Hemera: O

**Jesse L Berry, MD:** American Cancer Society: S; knights templar eye foundation: S; National Cancer Institute: S; wright foundation: S

**Benjamin B Bert MD:** None;

**Daniel I Bettis, MD:** None;

**Brent S Betts, MD:** None;

**Dr Kasturi Bhattacharjee:** None;

**M Tariq Bhatti MD:** receptos: C

**Abdhis R Bhavsar MD:** Allergan, Inc.: C,S; DRRCR: S; GENENTECH: S; Kodiak: C; Regeneron: S

**Robert B Bhisitkul MD:** GENENTECH: S; Rezolute: C; RIBOMIC: C; Visgenx: C; Zordera: O,P

**Anjali M Bhorade MD:** National Eye Institute: S

**Garvit Bhutani, MBBS:** None;

**Valerie Biousse MD:** GenSight: C

**Elena Bitrian, MD:** None;

**Douglas M Blackmon MD:** None;

**Christopher L Blanton MD:** Arrowhead Evaluation Services: C; CorneaGen: C; Eyevance: C; Integra: C,L; Johnson & Johnson Vision: C,L; One Legacy: C

**Mark H Blecher MD:** Johnson & Johnson Vision: C,L

**Lauren S Blieden MD:** Allergan, Inc.: C

**Michele M Bloomer MD:** None;

**Dana Blumberg MD:** None;

**Mark S Blumenkranz MD:** Beaver-Visitec International, Inc.: C,O; Combango Corporation: C,O; Kedalion Therapeutics: C,O; Lagunita Biosciences: C,O; Verana Health: O,C

**Bahram Bodaghi, MD, PHD:** AbbVie: C; Allergan: C; Bayer Healthcare Pharmaceuticals: S; Novartis, Alcon Pharmaceuticals: S; Santen, Inc.: C

**Allen Boghossian DO:** None;

**Michael V Boland MD PhD:** Carl Zeiss Meditec: C; Heidelberg Engineering: L

**Elizabeth Miller Bolton, BS:** None;

**Clemence Bonnet, MD:** None;

**Maurice Borden, FMP:** None;

**Vincent Borderie, MD:** Chiesi: C; Dompe: C; Optovue, Inc.: L

**Gary E Borodic MD:** BTRA: P; Revance & BTRA: C

**Gregory Borschel, MD:** None;

**Francesco Boscia MD:** None;

**Lorenzo Edgardo Bosque, BS:** None;

**Charles S Bouchard MD:** None;

**Rupert R Bourne MBBS:** Allergan: L; Laboratoires Thea: L; Santen, Inc.: L

**Renee C Bovelle MD:** Allergan: L; NovaBay Pharmaceuticals: L

**Bert Bowden MD:** None;

**Cynthia Boxrud MD FACS:** None;

**David S Boyer MD:** Acucela: C; Adverum Biotechnologies: C; aerie pharmaceuticals: C; Aerpio: C; Alcon Laboratories, Inc.: C; Alkahest: C; Allegro: C,O; Allergan: C; Allgenesis: C; Appellis: C; AsclepiX Therapeutics: C; Bausch+Lomb: C; Bayer Healthcare Pharmaceuticals: C; Biogen Inc.: C; BioMotiv: C; BioTime, Inc.: C; Boehringer-Ingelheim Pharmaceuticals: C; cell cure: C; Chengdu Kanghong Biotech: C; CoDa Therapeutics: C; Daiichi Sankyo Co. LTD: C; DigiSight: O; Everads Therapy, LTD: C; EyePoint Pharmaceuticals: C; Foresight Biotherapeutics: C; Galimedix Therapeutics: C; GENENTECH: C; GenSight Biologics: C; GLAUKOS: C; GrayBug Vision: C; Iconic Therapeutics: C; Interface Biologics, Inc.: C; Ionis: C; Kala Pharmaceuticals: C; LumiThera, Inc: C; neurotech: C; NGM Biopharma: C; Notal Vision, Inc.: C; Novartis Pharmaceuticals Corporation: C; Ocugen, Inc: C; Ocular Therapeutics: C; Ohr: C; Ophthotech: C; Opthea: C; Optos, Inc.: C; optovue: C; Ora, Inc: C; Orbit Biomedical: C; Oxurion: C; RecensMedical Inc: C; Regeneron Pharmaceuticals, Inc.: C; Regenxbio: C; Regulus Therapeutics: C; River Vision: C; Samumed, LLC: C; Santen, Inc.: C; SciFluor: C; Semathera: C; Shire: C; Stealth BioTherapeutics: C; Sun Pharmaceutical Industries: C; Taiwan Liposomal Company: C

**Yasmin Bradfield MD:** None;

**Geoffrey E Bradford MD:** None;

**Christopher J Brady MD:** Merck & Co., Inc.: C; National Institute of General Medical Sciences: S; Warby Parker - Expert Witness: C

**James D Brandt MD:** Aerie Pharmaceuticals, Inc.: C; Allergan: C,S; Carl Zeiss Meditec: C; Glaukos Corporation: O; National Eye Institute: S; Santen, Inc.: C,S

**Arthur Ryan Brant, BS:** Radial Medical: C; Verily: E

**Robert A Braunstein MD:** None;

**Jason Evan Brenner, MD:** None;

**Cesar A Briceno MD:** Horizon Pharmaceuticals: C

**Mitchell Brigell PhD:** Aerpio Therapeutics: E

**Mitchell V Brinks MD:** None;

**Eric P Brinton, MD:** None;

**Gregory S Brinton MD MBA:** None;

**Jason P Brinton MD:** Johnson & Johnson Vision: C,L; Nidek, Inc.: L; STAAR Surgical: C,L

**Ashley R Brissette, MD:** Alcon Laboratories, Inc.: C,S; Bruder Healthcare Company: C; Carl Zeiss Meditec: C; Eyevance Pharmaceuticals: C

**Michael C Brodsky MD:** None;

**Larry R Brooks:** Practice Flow Solutions: O

**Colin E Brown, MD:** None;

**David M Brown MD:** Adverum: C; Allegro: C,S; Allergan: C,S; Apellis: S,C; Astellas: S; Avalanche/Adverum: S; Boehringer Ingelheim: S,C; Carl Zeiss Inc: C; Clearside: C,S; GENENTECH: C,S; Heidelberg Engineering: C; Iconic: S; Janssen: C; Johnson & Johnson: C; Kanghong Pharma: C; National Eye Institute: S; Notal Vision, Inc.: C; Novartis, Alcon Pharmaceuticals: C,S; Ohr: C,S; Ophthotech: C,S; Opthea: S; Optos, Inc.: C,P; Optovue, Inc.: C; Pfizer, Inc.: C; PRN Physician Recommended Nutraceuticals: S; Regeneron Pharmaceuticals, Inc.: C,S; Regenix Bio: C,S; Samsung Bioepis: C,S; Samsung: C,S; Santen: C,S; SciFlour Life Sciences: S; Second Sight Medical Products, Inc.: S; Senju Pharmaceutical Co.,Ltd.: C; Stealth Biotherapeutics: C; Taiwan Liposome: S; ThromboGenics, Inc.: C,S; Tyrogenix: C,S





**Jamin S Brown MD:** None;

**Laurie K Brown, MBA, COMT, COE, OCS, OSC:** BSM Consulting Group: E

**Ninita H Brown, MD, PHD:** Thomas Eye Group: E

**David J Browning MD PhD:** Apellis: S; Diabetic Retinopathy Clinical Research : S; GENENTECH: S; Novartis: S; Ohr: S; Regeneron Pharmaceuticals: S; Springer: P; Zeiss: O

**Alexander J Brucker MD:** None;

**James A Bryan III, MD:** None;

**Rhonda Buckholtz, CPC:** None;

**Dawn C Buckingham MD, FACS:** None;

**Edward G Buckley MD:** None;

**Donald L Budenz MD MPH:** Bausch + Lomb: C; Carl Zeiss Meditec: P; Ivantis: C; iView: C; New World Medical Inc: C; Nicox: C

**Jose Luis Bulacio MD:** None;

**Vatinee Y Bunya MD:** Bausch + Lomb: S; Celularity, Inc: C

**Cat Burkat, MD, FACS:** Horizon Pharma: C

**Brandon G Busbee MD:** Akorn Inc.: P; Bausch+Lomb: C,P; GENENTECH: C

**Massimo Busin MD:** None;

**Andres A Bustamante, MD:** None;

**Michelle R Butler MD:** Allergan: L

## C

**Michelle T Cabrera, MD:** Knights Templar Eye Foundation: S; Latham Vision Research Innovation Award: S

**Kenneth V Cahill MD FACS:** None;

**Xueya Cai, PHD:** None;

**Matthew C Caldwell MD:** None;

**Fabrizio I Camesasca MD:** Carl Zeiss Meditec: C

**Heidi Ann Campbell, COT:** None;

**John P Campbell, MD MPH:** Allergan: C; GENENTECH: S

**Sergio Canabrava, MD:** AJL Ophthalmic: P; Madhu Instruments Pvt., Ltd.: P

**Hilda Capo MD:** None;

**Antonio Capone Jr MD:** Aura Biosciences: S; Broadspot: O; GENENTECH: S; interVIEW: O,P; Novartis Pharmaceuticals Corporation: S; Phoenix Technology Group: O; Spark Therapeutics: C

**Denise Caramagno, MA:** None;

**Andrew R Carey, MD:** None;

**Keith D Carter, MD, FACS:** None;

**Shawn Carter, OCS:** None;

**Susan R Carter MD:** None;

**Petros Carvounis, MD, FRCSC:** Johnson & Johnson: O; Ocutrx LLC: O

**Kara M Cavuoto MD:** None;

**Lorenzo J Cervantes MD:** Eversight: C

**Altug Cetinkaya MD:** None;

**Arup Chakrabarti, MS, MBBS:** None;

**Meena Chakrabarti, MS, MBBS:** None;

**Christopher B Chambers MD:** None;

**Clara C Chan MD:** Alcon Laboratories, Inc.: L; Allergan, Inc.: C,L,S; Bausch + Lomb: L,S; Johnson & Johnson Vision: C; Labtician Ophthalmics, Inc.: C; Santen, Inc.: C; Shire: L,C,S; TearLab Corporation: S; THEA: C,L

**Clement K Chan MD:** Allergan: C,S; Chengdu Kanghong Biotechnology: S; GENENTECH: C,S; National Eye Institute: S; Regeneron Pharmaceuticals, Inc: S; Retinal Patch Technologies, Inc: S

**Elsie Chan MBBS:** None;

**Karen Chan, MBBS, MRSCED(OPHTH):** None;

**Matilda F Chan MD PhD:** None;



**R V Paul Chan MD:** Alcon Laboratories, Inc.: C; Allergan: C; Beyeonics Surgical, Ltd.: C; GENENTECH: C; National Institutes of Health: S; National Science Foundation: S; Visunex Medical Systems: C

**Tat-Keong Chan MD FRCS FRCOphth:** Allergan: L; Novartis Pharma AG: L; Santen, Inc.: L; Thea: C

**John R Chancellor, MD:** None;

**Kavya Chandran, DOMS, FICO, MBBS:** None;

**Daniel H Chang, MD:** Acufocus, Inc.: S; Allergan: C,S; Carl Zeiss Meditec: C,L; ClarVista Medical: C; Johnson & Johnson Vision: C,L,S; Mynosys Cellular Devices: C,S; Omega Ophthalmics: C,O

**David F Chang MD:** Carl Zeiss Inc: C; Eyenovia: O; iDrops: C,O; Ivantis: C,O; Johnson & Johnson Vision: C; Mynosys: C,O; Perfect Vision: C; PowerVision Inc: C,O; Presbyopia Therapies: O; RX Sight: C,O; SLACK, Incorporated: P; Surface Inc: O; Versant Ventures: O; Viewpoint: C,O

**Jeffrey Chang MD:** None;

**John So-Min Chang, MD:** Alcon Laboratories, Inc.: L; Carl Zeiss Inc: L; Hongkong Global Vision Ltd.: S,L; Johnson & Johnson: L

**Jonathan Chang MD:** None;

**Peter Chang MD:** Aerie: C; Allergan: C; New World Medical, Inc.: C

**Robert T Chang MD:** 1800 Contacts: C; Aerie Pharmaceuticals, Inc.: C; Allergan: C; Apple Computer, Inc.: C; aurora tears tech: C; boston scientific: C; Carl Zeiss Inc: S; healgoo: C; IRIDEX: C; kali care: C; Santen, Inc.: C,S; Sight Sciences, Inc.: C; smartlens: C; Verana Health: C; xp health: C

**Shu-Hong Chang, MD:** None;

**Roomasa Channa, MD:** None;

**Daniel L Chao, MD:** Apellis, Inc.: S; Bridge Bio: C; Bright Focus Foundation: S; Chengdu Pharmaceuticals: S; Clearside Biomedical Inc.: S; DTXPharma: C,O; GENENTECH: S; National Eye Institute: S; Ophthea, Ltd.: S; Recens Medical: C,O; Visgenx, Inc.: C,O,P; Zilia: C,O

**Michael C Chappell MD:** None;

**Varun Chaudhary, MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: S; Bayer Healthcare Pharmaceuticals: C,S; Novartis Pharma AG: C,S

**Sunita Chaurasia, MD:** None;

**Ariel Campos Chaves Sr:** None;

**Bhavna Chawla, MBBS:** None;

**Neeraj Singh Chawla:** None;

**Craig J Chaya MD:** None;

**Soon-Phaik Chee MD:** Abbott Medical Optics Inc.: C,L,S; AbbVie Pte. Ltd: C,S; Alcon Laboratories, Inc.: L,S; Allergan: L,S; Bausch & Lomb Surgical: C,L,S; Carl Zeiss Inc: C,L,S; HOYA Medical Singapore Pte. Ltd: C,L; Johnson & Johnson Vision: C,L,S; Santen Pharmaceutical Asia Pte. Ltd: C; Ziemer Ophthalmics AG: C

**Aiyin Chen MD:** None;

**Eric Chen, BA, MS:** None;

**Howard Chen, MD:** solobuildingblogs: O

**John J Chen, MD, PHD:** None;

**Royce W Chen MD:** Alimera Sciences, Inc.: C; Allergan: C; Carl Zeiss Meditec: C

**Sanford Chen MD FACS:** Alcon Laboratories, Inc.: C; Allergan: C; GENENTECH: C; Novartis, Alcon Pharmaceuticals: C; Regeneron Pharmaceuticals, Inc.: C

**Sherleen Huang Chen MD:** None;

**Shin-Yi Chen:** None;

**David H Cherwek MD:** None;

**Albert Y Cheung, MD:** Alcon Laboratories, Inc.: C; Eye bank association of America: S

**Gemmy Chui Ming Cheung, MBBCHIR, FRCOphth:** Allergan: L; Bayer Healthcare Pharmaceuticals: C,L,S; Carl Zeiss Meditec: S; Heidelberg Engineering: L; Novartis, Alcon Pharmaceuticals: C,L,S; Topcon Medical Systems Inc.: S

**Patricia Chevez-Barrios MD:** NASA: S

**Emily Y Chew MD:** None;

**Jay K Chhablani, MBBS:** Allergan, Inc.: C; Novartis Pharma AG: L

**Juifan Chiang:** None;

**Michael F Chiang, MD:** Clarity Medical Systems (unpaid Board): C; GENENTECH: S; IntelereTina: O; National Eye Institute: S; National Science Foundation: S; Novartis Pharmaceuticals Corporation: C

**Jaya D Chidambaram MBBS:** GENENTECH: E; Wellcome Trust: S

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**Raymond I Cho MD:** None;  
**Soo Chang Cho, MD:** None;  
**Kevin Daniel Chodnicki, MD:** None;  
**James Chodosh MD MPH:** National Eye Institute: S; Shire: C; US Food and Drug Administration: C  
**Ho Sun Choi MD:** HC Squared Enterprises: O; Independent Practice Partners: O; OMIC-Ophthalmic Mutual Insurance Company: C  
**Amy S Chomsky MD:** None;  
**Kelvin Kam Lung Chong, MD:** None;  
**Neil T Choplin MD:** None;  
**Vikas Chopra MD:** Allergan: C,S  
**Eva Chou MD:** None;  
**Netan Choudhry MD:** Allergan: C,L; Bayer: C,L,S; Ellex: L; Johnson & Johnson: L; Optos: C,L; Topcon: C,L; Zeiss: S,C  
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**Robert M Christiansen MD FACS:** None;  
**Y Ralph Chu MD:** Bausch+Lomb: C; Carl Zeiss Meditec: C; Keranova: C; Perfect Lens: C; PowerVision: C; Refocus Group, Inc.: C  
**Michael Chua, MD:** None;  
**Bo Young Chun MD:** None;  
**Kelly D Chung MD:** None;  
**Elizabeth H Cifers, CPC, MBA, MSW:** BSM Consulting: C  
**George A Cioffi MD:** None;  
**Jessica B Ciralsky MD:** Abbott Medical Optics Inc.: C; Allergan: C; shire: C  
**Thomas A Ciulla MD:** Clearside: E,O  
**Antony Clark, MBBS:** Allergan: L  
**David Clark, MD:** None;  
**Marie-France Clermont, BCO:** None;  
**William S Clifford, MD:** Alcon Laboratories, Inc.: S; Ivantis: S  
**Harold W Climenhaga MD:** None;  
**Cameron Cobden:** None;  
**Amy Grossman Coburn, MD:** None;  
**Kimberly Cockerham MD FACS:** 3T Ophthalmics: C; Horizon: C  
**Francois Codere MD:** None;  
**Jack A Cohen, MD, FACS:** None;  
**John S Cohen MD:** Aerpio: C; Ocular Therapeutix, Inc.: S  
**Liza M Cohen, MD:** None;  
**Kathryn A Colby MD PhD:** WL Gore and Associates: C  
**Charles Cole MD:** None;  
**Anne Louise Coleman MD PhD:** CDC: C; National Eye Institute: S; Prevent Blindness America: C  
**August Colenbrander MD:** None;  
**Janine E Collinge MD:** PEDIG: S; Retrophin: S  
**Stephanie R Collins, COA:** Novartis, Alcon Pharmaceuticals: C; Regeneron Pharmaceuticals, Inc.: C,L  
**Edward L Colloton MD:** None;  
**Marcus H Colyer MD:** Covalent Medical: E,O; US Department of Defense: S  
**Jason I Comander MD PhD:** AGTC: C; Beam Therapeutics: C; Editas Medicine: C; Gensight: C; NightStar: C; Sanofi: C  
**Christopher J Compton, MD:** None;  
**Garry P Condon MD:** Alcon Laboratories, Inc.: C,L; Allergan: C; Ivantis: C; Microsurgical Technologies: C,L  
**Ian P Conner MD PhD:** Ocugenix: C,O,P  
**Donna Connolly:** PMRG: C  
**Susan E Connolly MD:** None;  
**Ashley Cooper, MD:** None;  
**Minas T Coroneo, MBBS, MS:** Alcon Laboratories, Inc.: P; Allgenesis: C,P,S; DORC International, bv/Dutch Ophthalmic, USA: P; Insight Surgical: C,P; Johnson & Johnson Vision: S; Katena Products, Inc: P; Leiter's Compounding: C; Shire: L,C



**Zelia M Correa MD:** Castle Biosciences: C

**Maria S Cortina MD:** Eversight Eye bank: C; Gore: C

**Fiona E Costello MD:** Alexion Pharmaceuticals: C; Clene: C; EMD Serono: C; Frequency Therapeutics: C

**Tim D Couch:** None;

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**Sara Jacob Coulon, MD:** None;

**Alan S Crandall MD:** Alcon Laboratories, Inc.: C,L; AqueSys: C; ASICO: C; Excel-Lens (CAPSULaser and CAPSULBlue): C; Glaucoma Research Foundation: C; Glaukos Corporation: C; Iantech, Inc.: C; iSportgames, Inc.: C; IVANTIS, Inc: C; iVeena Delivery Systems: C; Johnson & Johnson: C; Mastel Surgical: C; New World Medical Inc: C; Omeros: C

**David A Crandall MD:** None;

**E Randy Craven MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Ivantis: C; Santen, Inc.: C; W Gore: C

**Antonio A V Cruz MD PhD:** None;

**Qi N Cui, MD:** None;

**Arthur B Cummings MD:** Alcon Laboratories, Inc.: C,L,O; KeraNova: C; Oculis: C; Scope Ophthalmics: C; TearClear: C; TearLab Corporation: C; Vivior: C; WaveLight AG: C

**Andre Luiz Curi, MD, PHD:** Abbvie: L

**Craig N Czyz DO:** None;

## D

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**Alix G Darden, PHD:** None;

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**Jayanta Kimar Das, MBBS:** Sri Sankaradeva Nethralaya: C

**Shilpa Das MBBS:** None;

**Sujata Das, MD:** None;

**Clare Davey, MBBS:** None;

**Stefanie L Davidson MD:** None;

**Brett W Davies MD:** None;

**Alexander S Davis, MD:** None;

**Dixon Davis:** BSM Consulting: C

**James R Davis Jr.:** Spectrum Vision Partners: O

**Janet Louise Davis MD:** Allergan: C; EyePharma: S

**Lovell Davis, CPC, Masters of Health Services Administ:** None;

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**Susan H Day MD:** None;

**Sheraz M Daya MD:** Allergan, Inc.: L; Bausch + Lomb: C,L,S; Carl Zeiss Meditec: C; Ellex: L; Excellens: C,O; Johnson & Johnson Vision: S; Lumenis Vision: C; Mediceem: C; Nidek: C; Omeros Corporation: C; Physiol: L; PRN Physician Recommended Nutraceuticals: C,O; Scope Pharmaceuticals Ltd: C; STAAR Surgical: C; Strathspey Crown: O; TearLab Corporation: C

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**Denise de Freitas MD:** None;

**Arthur L De Gennaro:** Arthur De Gennaro & Associates, LLC: O

**Sara De La Rosa, MD:** None;

**Vincent P de Luise MD FACS:** None;

**Lucia De Pablo, MD:** None;



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**Joaquin De Rojas, MD:** None;  
**Don Julian De Silva MBBS:** None;  
**Vinicius S De Stefano, MD, PHD:** None;  
**Jordan D Deaner, MD:** None;  
**Dan DeAngelis, MD:** None;  
**Christopher M DeBacker MD:** None;  
**Simona Degli Esposti MD:** Allergan, Inc.: C; GlaxoSmithKline: C  
**Monte A Del Monte MD:** None;  
**Robert C Della Rocca MD:** None;  
**Dimitri D Dementiev MD:** None;  
**David L Demill, MD:** None;  
**Hakan Demirci MD:** Castle Biosciences: C; Immunocore: C  
**Sophie X Deng MD PhD:** California Institute for Regenerative Medicine: S; Kowa Research Institute, Inc: C; National Eye Institute: S; W. L. Gore & associates: C  
**Ekaterina V Denisova, MD:** None;  
**Luke Deroos, MS:** None;  
**Manishi A Desai MD:** BrightFocus Foundation: S  
**Thomas A Deutsch MD FACS:** None;  
**Uday Devgan MD:** Advanced Euclidean Solutions: O,C; CataractCoach.com: O; IOLcalc.com: O; LensGen: O,C; Mynosys Cellular Devices, Inc.: C; Novartis, Alcon Pharmaceuticals: L; specialty surgical: O  
**Eva DeVience, MD:** american glaucoma society: S  
**Martin H Devoto MD:** None;  
**Steven H Dewey MD:** Johnson & Johnson Vision: C; Microsurgical Technolgo: P  
**Deepinder K Dhaliwal MD:** Avedro, Inc.: S; CorneaGen: L; Johnson & Johnson: C; Novaliq: C; Noveome: S; Ocular Therapeutix: L; Shire: L,S; STAAR Surgical: L; Trefoil: C  
**Hardeep S Dhindsa MD:** None;  
**Chirakshi Dhull, MD:** None;  
**Burkhard Dick MD:** Allergan, Inc.: L; Avedro, Inc.: C; Bausch + Lomb: L; Carl Zeiss Meditec: C; Johnson & Johnson Vision: C; Johnson & Johnson: L; Oculus Surgical, Inc.: P; Oculus, Inc.: L; Optical Express AG: C; Polytech-Domilens GmbH: C; RxSight Inc.: C  
**Gabriela Dieckmann, MD:** None;  
**Maura DiNicola MD:** None;  
**Mark Alan DiPillo MD:** None;  
**Martin Dirisamer, MD:** None;  
**Ali R Djalilian MD:** Combango: C; Novartis, Alcon Pharmaceuticals: C  
**Diana V Do MD:** Aerie Pharmaceuticals, Inc.: C; Bayer Healthcare Pharmaceuticals: C; BioTime Inc.: C; GENENTECH: C; Kodiak Sciences: C; novartis: C; Regeneron Pharmaceuticals, Inc.: S,C; Santen, Inc.: C  
**Thai H Do, MD:** None;  
**John F Doane, MD:** Carl Zeiss Meditec: C; Presbyopia Therapies: O; RxSight: C  
**Emilio M Dodds MD:** None;  
**Peter J Dolman MD:** None;  
**Kendall E Donaldson MD:** Alcon Laboratories, Inc.: C,L; Allergan: C; Eyeavance: C; Johnson and Johnson: C; Kala: C; Omeros: C; Shire: C; SUN: C  
**Eric D Donnenfeld MD:** Alcon Laboratories, Inc.: C; Allergan: C,L; Bausch+Lomb: C; Beaver-Visitec International, Inc.: C; Eyepoint Pharma: C; Glaukos Corporation: C; Ivantis: C; Johnson & Johnson: C; LacriScience, LLC: C,O; Mynosys: C,O; PRN Physician Recommended Nutraceuticals: C,O; TLC Laser Center: C; Zeiss: C  
**Peter C Donshik MD:** None;  
**Syriil Dorairaj, MD:** None;  
**Pavle Doroslovacki, MD:** None;  
**Raymond S Douglas MD PhD:** None;  
**Arlene V Drack MD:** Chakraborty Family Foundation: S; NIH: S; ProQr: S; Research to Prevent Blindness: S; retrophin: S,L; Spark Therapeutics: S; Vision of Children: S



**Diana Carmen Dragnea:** DORC International BV/Dutch Ophthalmic USA: C; SurgiCube International: C

**Paul M Drayna, MD:** None;

**William T Driebe, MD:** None;

**John H Drouilhet MD FACS:** DRCR Network: S

**Kathleen M Duerksen MD:** None;

**Pravin U Dugel MD:** Abfero: C; Acucela: C; Aerie Pharmaceutical: C; Aerie: C; Aerpio: C,O; Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C,O; Alimera: C,O; Allegro Ophthalmics, LLC: C,O; Allergan: C; Amgen: C; Annidis: C,O; Arctic Vision: C,O; ArcticDx, Inc.: C; Asclepix: C; Bausch+Lomb: C; Beyeonics: C; Boehringer Ingelheim Pharma GmbH: C; Boehringer Ingelheim: C; Beyeonics: C; Changdu Kanghong Bio: C; Changdu Kanghong Biotechnology: C; Chengdu Kanghong Biotechnology: C; Clearside Biomedical: C,O; Daiichi Sankyo: C; DigiSight: C,O; DOSE Medical: C; Eyepoint: C; Fox Kiser: C,O; Gemini: C; GENENTECH: C; Graybug Vision: C; Ionis: C; Irenix: C,O; Kodiak Sciences: C; Lux BioScience: C; Macusight: C; Merck: C; Nan Fung Group: C,O; NeoVista, Inc.: C; Novartis, Alcon Pharmaceuticals: C; Oculis SA: C; Omeros: C; Ophthotech: C,O; Opthea: C; Optos, Inc.: C; Optovue: C; ORA: C; PanOptica: C,O; Pentavision: C; Pieris: C; PSivida Corporation: C; Regeneron Pharmaceuticals, Inc.: C; Regeneron: C; Regenxbio: C; Reneuron: C; Roche Diagnostics: C; Santen, Inc.: C; SciFluor Life Sciences: C; Shire Human Genetics: C; Spark Therapeutics: C; Stealth Biotherapeutics: C; ThromboGenics, Inc.: C; Topcon Medical Systems Inc.: C; TrueVision: C

**Jay S Duker MD:** Akebia: C; Allegro: C; Allergan: C; Aura Bio: C; Bausch + Lomb: C; Beyeonics: C; Carl Zeiss Meditec: S; EyePoint Pharma: C; Graybug: C; Helio Vision: C; Hemera Biosciences: O; Hoffman La Roche, Ltd.: C; Kala Pharma: C; Novartis, Alcon Pharmaceuticals: C; OptoVue: S; Sesen Bio: C; Sigilon: C

**Jacque L Duncan MD:** 4D Therapeutics: C; AGTC: C; Allergan: S; Editas Medicine, Inc.: C; Neurotech USA, Inc.: S; NightstarX Limited: C,S; ProQR Therapeutics: C; Second Sight Medical Products, Inc.: S; SparingVision: C; Spark Therapeutics: C

**Heather Hambrick Dunn, COA, OCS:** None;

**Steven P Dunn MD:** None;

**William J Dupps, MD PhD:** Alcon Laboratories, Inc.: C; Avedro: C,O; Carl Zeiss Meditec: C; Cleveland Clinic Innovations: P; National Eye Institute: S

**Rochelle Duran BA BBA:** None;

**Rochelle M Duran:** None;

**Georges M Durr MD:** None;

**Daniel S Durrie MD:** AcuFocus, Inc.: C,O; Alcon Laboratories, Inc.: C; Alphaeon: O; Avedro: C,L,O; Concierge Key Health: O,C; Eyegate Pharma: C; Hoopes Durrie Rivera Research Center : C; iOR Holdings: O; iOR Partners: O; Johnson & Johnson Vision : C,L; Strathspey Crown LLC : O

**Jonathan J Dutton MD PhD:** None;

## E

**Ralph Eagle, MD:** Merck & Co., Inc.: O

**Jeffery S Eckert:** None;

**Jeffrey P Edelstein MD:** None;

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**Jane C Edmond MD:** None;

**Lorna E Edmunds, MBCHB:** None;

**Deepak Paul Edward MD:** None;

**Allen Eghrari MD:** LuckyVision, LLC: O; Treyetech: O

**Justis P Ehlers MD:** Aerpio: S,C; Alcon Laboratories, Inc.: C,S; Allergan: C; Biotigen: C,P; Carl Zeiss Meditec: C; GENENTECH: C,S; Leica: P,C; National Eye Institute: S; Novartis Pharma AG: S,C; Regeneron Pharmaceuticals, Inc.: S; Santen, Inc.: C; Thrombogenics: C,S

**William H Ehlers MD:** None;

**Joshua R Ehrlich, MD:** American Glaucoma Society: S; Blue Cross Blue Shield Foundation of Michigan: S; National Eye Institute: S; National Institute on Aging: S; New World Medical Inc: S

**Jennifer L Eikenberry MD:** None;

**Ashraf H El Habbak MD:** None;

**Yasmine M El Sayed Ibrahim MD:** None;

**Lindsay C El-Awadi, PAC:** None;

**Mays A El-Dairi MD:** None;

**Christian El-Haddad, MD:** None;

**Alaa M Eldanasoury, MD:** Nidek, Inc.: C; PhysiOL: C; STAAR Surgical: C



**Hala Elhilali**: None;  
**Babak Eliassi-Rad MD**: None;  
**George S Ellis Jr, MD, FACS**: None;  
**Jonathan E Ellis MD**: None;  
**Anna L Ellis MD**: None;  
**Victor M Elner, MD, PHD**: OcuSciences, Inc.: O,P  
**Matthew E Emanuel MD**: Aerie Pharmaceuticals, Inc.: L  
**Victor Eng, BS**: None;  
**Laura B Enyedi MD**: None;  
**K David Epley, MD**: Nevakar: C  
**Rachel Epstein, MD**: None;  
**Randy J Epstein MD**: Abbott Medical Optics Inc.: C; Alcon Laboratories, Inc.: C,L  
**Bitá Esmaeli MD FACS**: None;  
**Edgar M Espana MD**: Abbvie: C  
**Gabriela Espinoza MD**: None;  
**Emily Ann Eton, MD**: None;  
**Byrd Evans OCS**: Agnite Health LLC: C  
**David Woodson Evans, PHD**: Ceatus Media Group: O; Guardion Health Sciences: O  
**Teodoro J Evans MD**: Alcon Laboratories, Inc.: L; Bayer Healthcare Pharmaceuticals: L; Novartis Pharmaceuticals Corporation: L  
**Malvina B Eydelman MD**: None;

## F

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**Michelle M Falcone, MD**: None;  
**Monika Farhangi Oskuei, BS**: None;  
**Marjan Farid MD**: Allergan: C; Bio-Tissue, Inc.: C; CorneaGen: C; Dompe: C; Eyepoint: C; Eyevance: C; Johnson & Johnson Vision: C; KALA: C; Shire: C  
**Asim V Farooq, MD**: GlaxoSmithKline: C  
**Cherie A Fathy, MD**: None;  
**Amani Fawzi MD**: None;  
**Jean-Luc Febbraro MD**: Alcon Laboratories, Inc.: L; Bausch Lomb Surgical: L  
**Robert D Fechtner MD FACS**: Aerie: C; Akorn Inc.: C; Glaukos Corporation: C; New World Medical Inc: C; Novartis Pharmaceuticals Corporation: C  
**Robert S Feder MD**: None;  
**Brad H Feldman, MD**: None;  
**Robert M Feldman MD**: Alcon Laboratories, Inc.: C; Allergan: S; American Glaucoma Society (AGS): S; Bausch + Lomb: C; Inotek: S; NIH/NEI: S; Novartis, Alcon Pharmaceuticals: S; Santen, Inc.: S  
**Ronald Leigh Fellman MD OCS**: Bausch + Lomb: L; Endo Optiks, Inc.: C; Glaukos Corporation: S; InnFocus: S; Transcend: S  
**Matthew Timothy Feng, MD**: Alcon Laboratories, Inc.: O; Eyevance Pharmaceuticals: C; Ocular Therapeutix: O  
**Sandor Ferenczy Jr, CRA**: None;  
**Philip J Ferrone MD**: ArcticDx, Inc.: O; GENENTECH: C,S; Northwell Health: E; Regenxbio: C; Santen, Inc.: C  
**Helena Prior Filipe, MD**: None;  
**Laura C Fine MD**: None;  
**Brenton D Finklea, MD**: None;  
**Avni Patel Finn, MD**: None;  
**Zoraida Fiol-Silva MD**: None;  
**Bret L Fisher MD**: Alcon Laboratories, Inc.: C; CorneaGen: C; ImprimisRx: C; ReVision Optics: C; Ziemer Ophthalmics AG: C  
**William J Fishkind, MD FACS**: Bausch Lomb: C; Johnson & Johnson: C; Thieme Medical Publishers: P  
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**Christina J. Flaxel, MD:** None;

**Gloria P Fleming MD:** None;

**Donald Calvin Fletcher MD:** None;

**Brian E Flowers MD:** Aerie Pharmaceuticals: C; Alcon Laboratories, Inc.: C; Bausch + Lomb: C; Glaukos Corporation: C; InnFocus: C; iStar medical: C; Ivantis: C; New World Medical Inc: C; Santen, Inc.: C; Sight Science: C; Sun Pharmaceuticals: C

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**Jim Flynn:** None;

**Rajesh Fogla, MD, FRCS:** None;

**Luigi Fontana MD PhD:** None;

**Bruno M Fontes MD:** None;

**Bryce A Ford MD:** None;

**Matteo Forlini MD:** None;

**Michele Formoso:** None;

**Jorge A Fortun MD:** Allergan: C; Carl Zeiss Inc: C; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C; Notal Vision, Inc.: C

**Kari Fossum, BS:** None;

**C. Stephen Foster, MD:** Abbvie: S; Aciont: S; Alcon: S,L; Aldeyra Therapeutics: C,S; Allakos: C,S; Allergan, Inc.: L,S; Bausch Lomb: C,S; Clearside Biomedical: S; Domp?: S; Eyegate Pharmaceuticals, Inc: C,O,S; GENENTECH: C; Mallinckrodt Pharmaceuticals: S,L; Novartis Pharmaceuticals Corporation: C,S; pSivida: S,C; Santen: S

**Jill Annette Foster MD FACS:** None;

**Amy M Fowler MD:** Ellman, A Cynosure Company: C

**Nicole R Fram MD:** Aerie Pharmaceuticals, Inc.: C; Aerie Pharmaceuticals: C; Alcon Laboratories, Inc.: C,L; Allergan: C; Bausch Lomb: L; CorneaGen: C,O; Dompé: C; Dompe: L; Johnson & Johnson Vision: C,L; Novartis Pharma AG: L; Ocular Science: C,O; Shire: L; Sun Pharmaceutical: L; W.L. Gore: C; Zeiss: C

**Leslie W France CO:** None;

**Brian A Francis MD:** Allergan, Inc.: C,S; Bausch + Lomb: C; Diopsys: C,S; Endo Optiks, Inc.: C; Glaukos Corporation: C; Innfocus: S; NeoMedix Corporation: C

**Courtney E Francis, MD:** None;

**Jasmine H Francis MD:** None;

**Benjamin J Frankfort MD PhD:** Clayton Foundation for Research: S; National Eye Institute: S; Research to Prevent Blindness: S

**Melvin I Freeman MD FACS:** Elsevier: P; Jaypee-Highlights Medical Publishers: P

**Suzanne K Freitag MD:** Springer: P; thieme: P

**K Bailey Freund MD:** Allergan: C; Genentech/Roche: S; Heidelberg Engineering: C; Novartis, Alcon Pharmaceuticals: C; Optovue: C; Zeiss: C

**David S Friedman MD MPH PhD:** Aerie Pharmaceuticals, Inc.: C; Bausch + Lomb: C; Jobson Publishing: C

**Hideki Fukuoka:** None;

**Simon Fung, MD, MA, FRCOphth:** None;

**Roger C Furlong MD:** None;

**Bruce Furr:** None;

## G

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**Lisa S Gamell MD:** None;

**Nandini G Gandhi MD:** None;

**Parag D Gandhi, FACS, MD:** None;

**Preethika Gandhi:** None;





**Sunil Ganekal:** None;

**Dasa Gangadhar, MD:** Eye Care Partners: E

**Sapna Gangaputra, MBBS:** NIH: S; RPB: S; Usaid: S

**Matthew F Gardiner MD:** Alcon Laboratories, Inc.: L; Shire: C; UpToDate: P

**Kevin Garff, MD:** None;

**Gaurav Garg, MD:** None;

**Prashant Garg MD:** Department of Biotechnology, Government of India: S; Indian Council of Medical Research: S; Medical Research Council, UK: S; Santen, Inc.: C; Wellcome Trust: S

**Sumit Garg MD:** Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C; Avedro, Inc.: C; EyePoint: C; EyeVance: C; Johnson & Johnson Vision: C; Kala: C; New World Medical Inc: C; OcuTrx: O; Shire/Takeda: C,L; SightLife Surgical: C; Verana Health: C; Vision Care Inc.: C; Zeiss: C

**Sunir J Garg MD FACS:** Aerpio: S; Allergan, Inc.: S; apellis: S; Bausch+Lomb: C; Deciphera: C; EyeGate Pharmaceuticals Inc.: S; Johnson & Johnson: C; Nexttech: O; Santen, Inc.: C; Topivert: C

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**Charles Garrard:** Medical Management Associates, Inc.: E

**James A Garrity MD:** None;

**Chandra Shekhar Garudadri MD:** None;

**Ronald N Gaster MD FACS:** Johnson & Johnson: O; Katena Products, Inc: L

**Ghada Ismail Gawdat, MD:** None;

**Gus Gazzard, FRCOphth, MA, MBBCHIR, MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; Bausch + Lomb: L; Ellex: L; Glaukos Corporation: C,L; Haag-Streit Group: L; Ivantis: C,L; Lumenis, Inc.: L; Merck & Co., Inc.: C,L; Santen, Inc.: C; Thea: C,L

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**Ashley R Geary, JD:** None;

**Steven J Gedde MD:** None;

**Lawrence Geller, MBA, MS:** Medical Management Associates, Inc.: E

**Ronald C Gentile MD:** Acucela: S; Alcon Laboratories, Inc.: C; DRCR.net: S; GENENTECH: S; GlaxoSmithKline: S; Juvenile Diabetes Research Foundation: S; National Eye Institute: S; New York Eye and Ear Infirmary of Mount Sinai: S; Notal Vision, Inc.: S; Quark Pharmaceuticals: S; Regeneron Pharmaceuticals, Inc.: S; University of WI: S

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**Bill Gerber:** None;

**Jennifer Gersbeck:** None;

**Kalla A Gervasio, MD:** None;

**JoAnn A Giacconi MD:** Allergan, Inc.: L

**Elena M Gianfermi MD:** None;

**Isaiah Giese, MD:** None;

**Francesca Gilardoni, MD:** None;

**Aubrey L Gilbert, MD:** None;

**Suzanne Gilbert PhD MPH:** None;

**Paul H Gilwit MD FACS:** None;

**Michael C Giovingo MD:** IRIDEX: C; Santen, Inc.: S

**Juan Giralt, MD:** None;

**David B Glasser, MD:** None;

**Adam Glassman MS:** Carl Zeiss Inc: S; Optos, Inc.: S; Optovue, Inc.: S; PhotoOptix: S; Regeneron Pharmaceuticals, Inc.: S

**Christine Glastonbury, MD:** None;

**Ioannis P Glavas MD:** None;

**Ricardo G Glikin MD:** Aurolab: C

**David G Godfrey MD:** None;

**Ravi D Goel MD:** None;

**Shubhra Goel, MD:** None;

**Siddhi Goel, MBBS:** None;

**Kenneth M Goins MD:** None;

**Birsen Gokyigit MD:** None;

**Damien Goldberg MD:** Alcon Laboratories, Inc.: C,L; Allergan: C; Bausch+Lomb: C; Glaukos Corporation: C; Johnson & Johnson Vision: C; Ocular Science: O

**Daniel B Goldberg MD:** Ace Vision Group: C

**Ivan Goldberg MBBS FRANZCO:** Allergan: C; Mundipharma: C,L; Pfizer, Inc.: L,C

**Robert A Goldberg MD:** None;

**Roger A Goldberg MD:** Aerie Pharmaceuticals, Inc.: S; Alimera Sciences, Inc.: C; Allergan: C,L; Apellis: S; Carl Zeiss Meditec: C,L,S; Emmetrop Ophthalmics: O; GENENTECH: C,L,S; Graybug: S; Novartis Pharma AG: L,S; Regeneron Pharmaceuticals, Inc.: C; Santen, Inc.: S

**Dafna Goldenberg, MD:** Notal Vision, Inc.: C

**Debra A Goldstein MD:** AbbVie: C; Allergan: C; Bausch+Lomb: C; Clearside: C; Santen, Inc.: C

**Michaela Goldstein MD:** Allergan, Inc.: C,L; Bayer Healthcare Pharmaceuticals: C,L; Novartis Pharma AG: C,L; novonordisk: C; Roche Diagnostics: L

**Scott M Goldstein MD:** None;

**Karl C Golnik MD:** Orbis: C

**Dan S Gombos MD:** 3T ophthalmics : C; Aura: C; Children's Oncology Group: S; Houseman/Wilkins Ophthalmological Foundation: S; Iconic Therapeutics Inc: C; Lois Kuss Fund for Glaucoma: S

**Jose Gomes MD:** Alcon Laboratories, Inc.: L,S; Allergan: C,L,S; Bausch + Lomb: C,L; CAPES: S; Cnpq: S; EMS: C; Fapesp: S; Genon: L; Mundipharma: L,C; Ofta: C,L,S

**Fumi Gomi, MD PhD:** Abbott: S; Alcon Laboratories, Inc.: L; Bayer Healthcare Pharmaceuticals: L; Eyeimage Co: O; HOYA Corporation: S; Johnson & Johnson: L; Nidek, Inc.: S; Novartis Pharmaceuticals Corporation: S; Santen, Inc.: L,S; Senju Pharmaceutical Co. Ltd: L

**John A Gonzales MD:** National Eye Institute: S

**Mithra O Gonzalez MD:** Uptodate: C

**Patrick Gooi, MD:** Alcon Laboratories, Inc.: C; Allergan: C; Bausch + Lomb: C; Glaucoma Surgical Device Patent (Non-Commercialized): P; Glaukos Corporation: C; Latician Ophthalmics, Inc.: C; Santen, Inc.: C

**Lynn K Gordon, MD, PHD:** None;

**Charlotte Gore, MD:** None;

**Mark S Gorovoy MD:** None;

**Justin Gottlieb MD:** None;

**Larissa Gouvea MD:** None;

**Mallika Goyal, MD:** None;

**Nina A Goyal MD:** None;

**Raj K Goyal MD MPH:** Allergan, Inc.: S,C; Glaukos Corporation: S

**Alana L Grajewski MD:** None;

**Michael E Gray MD:** None;

**Laura K Green MD:** None;

**Michael D Greenwood:** Alcon: L; Allergan: C; Equinox: C, O; Glaukos Corporation: L; Johnson & Johnson: L; Nevaker: C; New World Medical Inc: C, L; Staar Surgical: L; Valeant Pharmaceuticals: L

**Ninel Z Gregori MD:** Astellas Institute for Regenerative Medicine: C; Nightstar Therapeutics: S

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**Mark Greiner MD:** None;

**Daniel A Greninger MD:** None;

**Roopinder K Grewal MD:** None;

**Paul B Griggs MD:** None;

**Lola M Grillo, MD:** None;

**Seanna R Grob, MD:** None;

**Juan Gros-Otero, MD:** None;

**Jeffrey G Gross MD:** BioGenware: O,P; Covalent: O; Heidelberg Engineering: L; Jaeb Center for Health Research: S; Optos, Inc.: L

**Ronald L Gross MD:** Aerie Pharmaceuticals: C,L; Allergan, Inc.: C,L,S; Glaukos Corporation: C; Intelligent Retinal Imaging Systems, LLC: C,O

**Hans E Grossniklaus MD:** National Cancer Institute: S; National Eye Institute: S

**Davinder S Grover MD:** Alcon Laboratories, Inc.: S; Allergan: S,L,C; Bausch + Lomb: L; Glaukos Corporation: L; MicroOptx: C; New World Medical Inc: C,L; Reichert, Inc.: C,L

**Sandeep Grover MD:** None;  
**Andrzej Grzybowski MD:** Alcon: S; Bausch Lomb: C,L; Pfizer, Inc.: C,L,S; Santen, Inc.: S; Valeant: L,S  
**Brett Gudgel, MD:** None;  
**Nathalie M Guibord MD:** None;  
**Kubra Gul Olke, MD:** None;  
**Kaan Gunduz MD:** None;  
**Anita Gupta MD:** None;  
**Avnindra Gupta:** None;  
**Neeru Gupta MD PhD:** Allergan, Inc.: C  
**Pankaj C Gupta MD:** None;  
**Preeya K Gupta MD:** Alcon Laboratories, Inc.: C; Allergan: C; Aurea: C; Bio-Tissue, Inc.: C; Johnson & Johnson Vision: C; Kala: C; Novabay: C; Ocular Science: C; Shire: C; TearLab: C; Zeiss Carl Ltd.: C  
**Rudra Rishi Gupta MD:** Bayer Healthcare Pharmaceuticals: C; Novartis, Alcon Pharmaceuticals: L  
**Sunil Gupta MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Andrews Institute: C; GENENTECH: C; IRIS: O; Novartis, Alcon Pharmaceuticals: C; PYAA: O; Regeneron Pharmaceuticals, Inc.: C; Retina Specialty Institute: O; Roche Diagnostics: C; Spark Therapeutics, Inc.: C; USRetina: O  
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**Francisco J Gutierrez-Carmona MD PhD:** None;  
**John R Guy MD:** None;

## H

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**Larissa A Habib, MD:** None;  
**Aviel Hadad, MD:** None;  
**Jorge Haddad, MD:** None;  
**Luis J Haddock MD:** Alimera Sciences, Inc.: C  
**Farhad Hafezi, FARVO, MD, PHD:** EMAGine AG: O,P; GroupAdvance Consulting GmbH: C,O; Light for Sight Foundation: S; SCHWIND Eye-tech-Solutions GmbH: S; Velux Foundation: S  
**Melissa S Hagan:** Illinois Retina & Eye Associates: E  
**Paul Hahn MD PhD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; GENENTECH: C,L  
**David H Haight MD:** None;  
**Joseph Hallak PhD OD:** None;  
**Samer Hamada MD:** None;  
**D Rex Hamilton MD:** Alcon Laboratories, Inc.: C; Carl Zeiss Meditec: C; Johnson & Johnson Vision: C  
**Naama Hammel MD:** Google LLC: E  
**Pedram Hamrah MD:** Aeri Pharmaceuticals: C; Allergan: C,S; Bausch Lomb: C,S; Coopervision: C; Dompe: C,S; Eyegate Pharma: C; GlaxoSmithKline: S; Heidelberg Engineering: C; National Eye Institute: S; Santen, Inc.: C; Shire: C,S; Stealth: C,S; TissueTech, Inc.: C,S  
**Young Soo Han, MD:** None;  
**Rebecca Hancock:** None;  
**Sheryl M Handler MD:** None;  
**Tsukasa Hanemoto MD:** Alcon Laboratories, Inc.: L; Bayer Healthcare Pharmaceuticals: C,L; Chugai: L; HOYA, Inc: P; Kowa: L; Mani, Inc.: P; MANI: L; Novartis Pharmaceuticals Corporation: C,L; Otsuka: L; Pfizer, Inc.: L; Santen, Inc.: L; Senjyu: L  
**Sadeer B Hannush MD:** None;  
**Eric D Hansen, MD:** None;  
**Paul J Harasymowycz MD:** Aerie Pharmaceuticals: S; Alcon Laboratories, Inc.: C,L,S; Allergan: C,L,S; Bausch+Lomb: C; Glaukos Corporation: C,L; Ivantis: C,S; Johnson & Johnson Vision: C,S; Novartis Pharmaceuticals Corporation: C; Santen, Inc.: C; Shire: C; THEA: C  
**Thomas S Harbin, MD, MBA:** None;  
**J William Harbour MD:** Aura Biosciences: C; Castle Biosciences, Inc.: C,P; Immunocore: C  
**David R Hardten MD:** Allergan, Inc.: C,L,S; Avedro: C; ESI, Inc.: C,O; Humanoptics: S; Johnson & Johnson: C; Minnesota Eye



Consultants: O; Oculus, Inc.: L; OSD, Inc: C,O; Sightpath: C; TearFilm: C

**Luxme Hariharan MD:** None;

**Aravind Haripriya, MBBS:** None;

**Mona Harissi-Dagher MD:** None;

**George Harocopos MD:** None;

**John C Hart, MD FACS:** None;

**James C Hartley MD:** None;

**Mary Elizabeth Hartnett MD FACS:** Knights Templar Eye Foundation: C; Lippincott Williams and Wilkins: P; NIH/NEI: S; novartis: S; PAREXEL: S

**Morris E Hartstein MD:** Springer: P

**Thomas M Harvey MD:** Lenstec, Inc.: C; PRN Physician Recommended Nutraceuticals: C; RPS: O; TLC Laser Eye Centers: O

**Adam S Hassan MD:** None;

**Mohamed Hassan, MD:** None;

**Muhammad Hassan:** None;

**Jaclyn M Haugsdal, MD:** None;

**Shane J Havens, MD:** None;

**Paul R Healey, MBBS:** Allergan, Inc.: C; Glaukos Corporation: C; National Health & Medical Research Council of Australia: S; Novartis, Alcon Pharmaceuticals: C,L

**Gena Heidary MD:** Children's Tumor Foundation: S

**Jeffrey S Heier, MD:** 4DMT: C; Adverum: C,O; Aerie Pharmaceuticals, Inc.: C,S; Aerprio: C,S; Aldeyra: C,O; Alkahest: C; Allegro: C,O; Allergan, Inc.: C; Annexon: C; Apellis: C,S; Array Biopharma: C; Asclepix: C; Chengdu Kanghong Biotech: C,S; Clearside: S; Daiichi: S; Digital Surgery Systems: O; Eloxx: C; Galimedix: C; GENENTECH: C,S; Generation Bio: C; Graybug: S; Gyroscope: S; Hemera: S; Interface: C; irenix: C; Janssen R&D: C,S; jCyte: C,O; Kala: C; Kalvista: S; Kodiak: C; NGM Biopharmaceuticals: C; Notal Vision, Inc.: C,S; Novartis Pharma AG: C,S; Ocugenix: C; Ocular Therapeutix: C,O; Omeicos: C; Ophthotech: S; Optos: S; Optovue, Inc.: S; Orbit Biomedical: C; Regeneron Pharmaceuticals, Inc.: C,S; Regenxbio: C,S; Retrotope: C; Santen, Inc.: C; Scifluor: C; Shire: C; Stealth Biotherapeutix: C,S; Takeda: C; ThromboGenics, Inc.: S; Voyant: C

**Laura J Heinmiller, MD:** None;

**Amanda D Henderson, MD:** None;

**Bonnie An Henderson, MD:** Alcon Laboratories, Inc.: C,L; Allergan: C; EyePoint: C; Kala: C; Sun Pharmaceuticals: C; Zeiss: C

**Andrew M Hendrick MD:** None;

**Fritz H Hengerer, MD:** Alcon Laboratories, Inc.: L; Allergan: C,L; Bausch + Lomb: L; Carl Zeiss Meditec: L; Glaukos Corporation: L; Johnson & Johnson Vision: L; Oculus, Inc.: L

**Raoul Paolo D. Henson, MD:** None;

**Robert W Hered MD:** MORIA: P

**Erick Hernandez-Bogantes, MD:** None;

**Leanna L Hess:** None;

**J Martin Heur MD PhD:** Mallinckrodt Pharmaceuticals: C

**Eve J Higginbotham MD:** None;

**James D Hiles:** None;

**Jordan R Hill, MD:** None;

**Kenneth S Himmel MD:** None;

**David M Hinkle MD:** None;

**AnnMarie Hipsley PhD:** Ace Vision Group Inc: C

**Akito Hirakata MD:** None;

**Gary S Hirshfield MD:** None;

**Allen C Ho MD:** Aerprio: C,S; AGTC: C,S; Alcon Laboratories, Inc.: C,S; Allergan: C,S; Apellis: S; Asclepix: C; Beaver-Visitec International, Inc.: C; Chengdu Kanghong Biotechnology: C,S; Covalent Medical, LLC.: O; GENENTECH: C,S; Iconic: C,S; IRIDEX: C,S; Johnson & Johnson: C,S; Lineage / BioTime: C; National Eye Institute: S; ONL: C,O; Ophthotech: S; Optovue, Inc.: C,S; PanOptica: C,O; Regeneron Pharmaceuticals, Inc.: C,S; REGENEXBIO: C,S; Second Sight Medical Products, Inc.: C,S; Tyrogenix: C

**Vernon Ho Yuen MD:** None;

**Kenneth J Hoffer, MD FACS:** Carl Zeiss Meditec: P; Escalon Medical Corp: P; Haag-Streit: P; MOVU, Inc: P; Nidek, Inc.: P; Oculus, Inc.: P; Tomey Corp.: P; Topcon Medical Systems: P; Ziemer: P

**Richard S Hoffman MD:** Alcon Laboratories, Inc.: C; MicroSurgical Technology: C

**Elizabeth M Hofmeister MD:** None;



**Jack T Holladay, MD MSEE FACS:** Abbott Medical Optics: C; AcuFocus, Inc.: C,O; Alcon Laboratories, Inc.: C; ArcScan: C,O; Carl Zeiss Inc: C; M & S Technology: C; Oculus, Inc.: C; RxSight Inc: C,O; Visiometrics: C,O

**Edward J Holland MD:** Aerie: C; Akros: C; Avedro, Inc.: C; Azura: C; BioTissue: C; BlephEX, LLC: C; BRIM Biotech: C; Claris: C; CorneaGen: C; Dompe: C; EyePoint: C; Glaukos: C; Hanall: C; Hovione: C; IanTECH: C; Imprimis Pharma: C; Invirsa: C; Johnson & Johnson Vision: C; Kala Corporation: C; Katena: C; KeraKlear: C; Licrieye: C; Mati Therapeutics: C; Merck KGaA: C; MG Thera: C; Mintz: C; Nanowafer, Inc.: C; Novaliq: C; Novartis NIBR: C; Novartis Pharmaceuticals: C,L; Ocnexus: C; Ocuphire: C; Omeros: C,L; Ophthotech: C; OysterPoint: C; Precise Bio: C; Prometic: C; ReGentree, LLC: C; Retear: C; Senju Pharmaceutical Co., LTD.: C,L; Shire: C,L; Sight Sciences: C; SightLife Surgical: C; Silktech: C; SLACK: C; Stuart Therapeutics: C; Takeda: C; Tarsus: C; TearFilm Innovations: C; TearLab Corporation: C; TearLab: C; TissueTech: C; TopiVert Pharma Limited: C; Vomarix: C; W.L. Gore and Associates: C; Zeiss: C

**Gary N Holland MD:** None;

**Clay D Holley, MD:** None;

**Jonathan M Holmes MD:** National Institutes of Health: S

**Santosh G Honavar MD:** None;

**Augustine R Hong MD:** None;

**Sang H Hong MD:** None;

**Jeffrey D Horn MD:** Alcon Laboratories, Inc.: S,C,L; Bausch + Lomb: S; Novartis Pharma AG: S

**Annette Hoskin:** Essilor International: E; National Health and Medical Research Council: S

**Joshua H Hou, MD:** university of minnesota: P

**Kourtney A Houser, MD:** Alcon Laboratories, Inc.: C; Bausch + Lomb: C; CorneaGen: L; eyeavance: C

**John A Hovanesian MD:** 1-800-DOCTORS: C,O; Abbott Medical Optics: C,L,O,P; Alcon Laboratories, Inc.: C,L,S; Alicia Surgery Center: O; Allegro Ophthalmics: C,O; Allergan, Inc.: C,O; Bausch & Lomb Surgical: C,L,S; Bausch Lomb: C,L,S; Glaukos Corporation: C,L; Guardian Health Sciences: C,O; Halozyme: C; IOP Inc: C,L,S; ivantis: C; Kala Pharmaceuticals: C; MDbackline, LLC: O,P; Ocular Therapeutix: C,L,O; Omeros: C,L; Reata: C,S; ReVision Optics: C; Sarentis Ophthalmics: C,O; Shire: C,L,S; Sight Sciences: C,O; SLACK, Incorporated: C,L; Tear Science: C,L; TLC Laser Eye Centers: C,L,O; Versant Ventures: O; Vindico Medical Education: C,L; Vista Research: C

**Hong-Uyen Hua, MD:** None;

**Alex Ansun Huang MD:** Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C; Diagnosys LLC: S; Glaukos Corporation: S; Heidelberg Engineering: S; Santen: C

**Andrew J W Huang MD MPH:** Mallinckrodt Pharmaceuticals: C

**David Huang MD PhD:** Optovue, Inc: O,P,S

**Suber S Huang MD, MBA:** Clarity Vision Technologies: C; Diopsys: C,L,S; Lumoptic: O,C; NEI/NIH: C; Novo Nordisk: S; Outlook Therapeutics: C; Regenerative Patch Technologies: C; RegenXbio: C; Second Sight Medical Products: C; Second Sight: C; Volk Optical, Inc.: C,L; Washington University (St. Louis) DOLF study: C

**Jean-Pierre Hubschman MD:** alcon: C; Allergan: C; Bausch & Lomb: C; UCLA: P; Zeiss: C

**Lucy Hui, BS:** None;

**Ann M Hulett, CMPE:** None;

**Mark S Humayun MD PhD:** 1Co., Inc.: C,O,P; Alcon Laboratories, Inc.: C,L; Allergan: C,L; Clearside: C; Duke Eye Center: P; Eyemedix: C,O,P,S; IRIDEX: P; John Hopkins University: P; Lutronic Vision: C,O; MTRR: C,O; Regenerative Patch Technologies (RPT): C,O,P; REPLENISH: C,O,P; Santen, Inc.: C,L; Second Sight Medical Products, Inc.: O,P; University of Southern California: E,P

**David G Hunter MD PhD:** Boston Children's Hospital: P; Johns Hopkins University: P; Lippincott Williams Wilkins: P; Luminopia, Inc.: C; Rebio, Inc.: C,O; SLACK Incorporated: P

**Catherine J Hwang MD:** None;

**David G Hwang MD FACS:** Avellino Labs: C; Shire: C

**Richard Y Hwang, MD:** None;

**Thomas Hwang MD:** None;

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**Asli Inal, MD:** None;

**Tsutomu Inatomi MD PhD:** None;

**Herbert J Ingraham, MD:** None;

**Alfonso Iovieno MD:** None;

**Michael S Ip MD:** BioTime Inc.: C; Boehringer Ingelheim: C; GENENTECH: C; Novartis Pharma AG: C; Quark: C; ThromboGenics,

Inc.: C

**John Alexander Irvine MD:** None;

**David Khoramian Isaacs MD:** None;

**Nazrul Islam, MBBS:** None;

**Andrew George Iwach, MD:** Bausch+Lomb: C,L

**Srinivas S Iyengar MD:** None;

**Geetha K Iyer MBBS:** None;

**Luis Izquierdo Jr MD:** None;

## J

**Douglas A Jabs MD MBA:** None;

**Mary Lou Jackson MD:** Astellas: C

**Mitchell A Jackson MD:** ACE Vision Group: O; Allergan: C,L; ArcScan: O; Bausch Lomb: C,L; Calhoun Vision: O; Carl Zeiss Meditec: L; Diopsys, Inc.: C,L; EyePoint: C; EyeVance: C; i-Optics: C,L; Johnson & Johnson Vision: L; Kala: C,L; Lensar: C,L; Lenticular Research Group: O; Marco Ophthalmics: C; Noble Vision Group: O; Ocular Therapeutix: C; Omeros: C; Paragon Biotech: C; Pogotec: O; RPS: O; ScienceBased Health: C,L; Shire: C; Tear Lab: C; Tear Science: L

**Soosan Jacob, MBBS, FRCS:** None;

**Deborah S Jacobs MD:** Novartis Pharma AG: C; Simple Contacts: C,O; TECLens: C,O; UpToDate: P

**Martine J Jager, MD, PHD:** None;

**Kurt V Jahrling BCO FASO, BS:** None;

**Sahil Jain, MBBS:** None;

**Sandeep Jain MD:** Advaita, Inc: O; Ocugen, Inc: C; Topivert: C

**Lee M Jampol MD:** National Eye Institute: S; Sanofi: C

**Sun Young Jang, MD:** None;

**Pimkwan Jaru-Ampornpan, MD:** None;

**Imran Jarullazada, MD:** Allergan: C; Novartis Pharma AG: C

**Reynaldo Manansala Javate, MD:** None;

**Bennie H Jeng MD:** Aquinox: C; EyeGate Pharmaceuticals Inc.: O; Jade therapeutics: C; Kedrion: C

**Patricia Jenkins CO:** None;

**Hyeshin Jeon:** None;

**Vikas Kumar Jha, MBBS:** None;

**Vishal Jhanji, MD:** None;

**Chirag D Jhaveri MD:** Allergan, Inc.: C; GENENTECH: C; Novartis, Alcon Pharmaceuticals: C

**Ya Qin Jiang:** None;

**Imran Jivraj, MD:** None;

**Anthony J Johnson MD:** None;

**Daniel A Johnson MD:** BeiGene: S; diiachi sankyo: S; Incuron: S; Novartis: S; Samus Therapeutics: S

**Emily P Jones, MD:** None;

**Jason J Jones MD:** Abbott Medical Optics Inc.: C,L,S; AcuFocus, Inc.: S; Glaukos Corporation: L,S; Ivantis: C,S; Johnson & Johnson: C,L,S; Perfect Lens: C; Transcend: C,L,S

**Jeremy K Jones MD:** None;

**Leslie S Jones MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C; Allergan, Inc.: C,L

**Karen M Joos MD PhD:** National Eye Institute: S; Patent (no royalties yet) - Assigned to Vanderbilt University: P

**Daniel P Joseph MD PhD:** None;

**Jeffrey M Joseph, MD:** None;

**Shannon Shan Joseph, MD:** horizon: C

**J Michael Jumper MD:** Allergan: S; Covalent Medical LLC: O; GENENTECH: S

**Jaeho Jung, MD:** None;

**Ula Jurkunas MD:** Chiesi: C; ClearView: C; Intelia: S; Kowa American Corporation: C

**Grant A Justin, MD:** None;





## K

**Alon Kahana MD PhD:** GENENTECH: S,C; Stryker Corp/Medical Division: C

**Malik Y Kahook MD:** Alcon Laboratories, Inc.: C,P,S; Allergan, Inc.: C,S; Aurea Medical: C,O,P; Equinox: C,O; Johnson & Johnson Vision: P; New World Medical Inc: P; Novartis, Alcon Pharmaceuticals: P; ShapeTech LLC: O,P

**Peter K Kaiser MD:** aerie: C; Aerpio: C; Alcon Laboratories, Inc.: C,L; Allegro: C; Allergan: C; Bayer Healthcare Pharmaceuticals: C,L; Biogen Inc: C; Boeinger: C; Eyevensys: C; Formycon: C; Galecto: C; Galimedix: C; iRenix: C; jCyte: C; Kala: C; kanghong: C; Kodiak: C; Novartis Pharmaceuticals Corporation: C,L; Ocugenix: C; Omeros: C; Opthea: C; Oxurion: C; Regeneron Pharmaceuticals, Inc.: C,L; RegenxBio: C; Retinal Sciences: C,O; santen: C; SciFluor Lide Sciences: C; Shire: C; Stealth: C

**Charudutt Kalamkar, MD:** None;

**Mona A Kaleem, MD:** None;

**Swathi Kaliki, MD:** None;

**Levi Kandeke:** None;

**A John Kanellopoulos MD:** A.R.C. Laser GmbH: C; Alcon Laboratories, Inc.: C; Avedro: C; Carl Zeiss Meditec: C; KeraMed, Inc.: C

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**Jennifer J Kang-Mieler BA MS PHD:** National Eye Institute: S,P

**Frederick M Kapetansky MD:** None;

**Kapil G Kapoor MD:** Alimera Sciences, Inc.: S; ThromboGenics: S

**Andrea Kara-Jose MD:** None;

**Humeyra Karacal, MD:** None;

**Randy H Kardon MD PhD:** FaceX: O; Fight for Sight Board of Directors: C; Iowa City VA Research Foundation Board Member: C; MedFace: O; National Eye Institute: S; Novartis Pharmaceuticals Corporation: C; Veterans Administration: S

**Farid Karimian MD:** None;

**Justin Nathaniel Karlin, MD:** UCLA: E

**Carol L Karp MD:** None;

**Peter Karth MD:** Google / Verily: C

**Peter R Kastl, MD, PHD:** None;

**William R Katowitz MD:** None;

**Douglas Allen Katsev, MD:** Bausch + Lomb: C; Novartis: L; Omer: C; Shire: C; Sun Ophthalmics: C

**Barrett Katz MD:** Annexon Bioscience: C; Gensight Biologics: E; RegeneRx: C; TMI: C; Tracery, Inc: C; Translatum Medicus Inc: C

**James A Katz MD:** Alcon Laboratories, Inc.: C,L; Bausch + Lomb: S; Carl Zeiss Meditec: C; Cassini Technologies B.V.: C,S; CorneaGen: O; Equinox: O; EyePoint Pharmaceuticals: C; IanTech: O; LEGRANDE: C,O; Leica Microsystems: C; Lenticular Research Group: C,O; Mynosys Cellular Devices, Inc.: O; Novartis Pharma AG: C,L; Ocular Science: C,O; Ocular Therapeutix: C; Omeros: C; Orasis Pharmaceuticals: O; PogoTec: O; Refocus Group: C,S; RxSight: O; Shire: C,L; Sun Pharmaceutical Industries: C; Surface Pharmaceuticals: O; Tear Film Innovations: O; TearClear: O; TrueVision 3D Surgical: C,O

**Robert A Kaufer MD:** None;

**Adam H Kaufman MD:** 1800Contacts: C; Alcon Laboratories, Inc.: C

**Courtney Y Kauh, MD:** None;

**Manpreet Kaur MD:** None;

**Sushmita Kaushik, MBBS:** None;

**Christine Nichols Kay MD:** AGTC: C,S; Alkeus: S; Astellas: C; Foundation Fighting Blindness: S; Nightstar Therapeutics: C,S; Novartis Pharma AG: C; Ophthotech: C; Sanofi: C; Second Sight Medical Products, Inc.: C; Spark Therapeutics, Inc.: C

**Michael Kazim MD:** None;

**Pearse A Keane MBBCh:** Allergan, Inc.: L; Bayer Healthcare Pharmaceuticals: C,L; Big Picture Eye Health: O; Carl Zeiss Inc: L; DeepMind Technologies: C; Heidelberg Engineering: L,S; Novartis Pharma AG: L,C; Roche Diagnostics: C,L; Topcon Medical Systems Inc.: C,L

**Sachin Kedar MD:** EON Reality: P

**Sanjay R Kedhar MD:** aldehyra: C; Johnson & Johnson Vision: C; rxSight: C

**David J Keegan, MBBCh:** Bayer Healthcare Pharmaceuticals: S; Novartis Pharma AG: S; Vision Care Inc.: S

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**Robert C Kersten MD:** None;



**Natasha P Kesav:** NIH Medical Research Scholars Program: S  
**Muge R Kesen MD:** Abbvie: L  
**Mounir A Khalifa MD:** None;  
**Yousuf M Khalifa MD:** None;  
**Ahmad Khalil Khalil MD:** None;  
**Pooja Khamar, MBBS, MS:** None;  
**Baseer U Khan MD:** Allergan: C; Bausch + Lomb: C; Glaukos Corporation: C; Zeiss: C  
**Hamza N Khan MD FACS:** Allergan, Inc.: C; Bausch & Lomb Surgical: C,L; Johnson & Johnson Vision: C; Shire: C  
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**Nitasha Khanna, MD:** None;  
**Nora Khatib, MD:** None;  
**Tasneem Khatib, MBBCH:** None;  
**Ahmad Kheirkhah MD:** None;  
**Femida Kherani MD:** Allergan: L; MERZ: L; Novartis: L  
**Monica Ralli Khitri, MD:** None;  
**Sudarshan K Khokhar, MD, FRCS(ED):** None;  
**Albert S Khouri MD:** Aerie Pharmaceuticals: C,L; Allergan: L,S; Bausch + Lomb: L; Glaukos Corporation: C; New Jersey Health Foundation: S  
**Jeremy Z Kieval MD:** Dompe: C; Johnson & Johnson: C,L; Kala: C,L; Takeda: C,L  
**Don O Kikkawa MD:** Horizon Pharmaceuticals: C  
**Aylin Kilic, MD:** Alcon Laboratories, Inc.: C; Johnson & Johnson: C  
**Olivia Joy Killeen, MD:** None;  
**Denise S Kim, MD:** None;  
**Dooho Brian Kim MD:** Katena Products, Inc: C; Professional Eye Associates: O  
**Gene Kim MD:** None;  
**Ivana K Kim MD:** Allergan, Inc.: S; Biophytis: C; Castle Biosciences: C; Novartis, Alcon Pharmaceuticals: C  
**Jeong-Ah Kim:** None;  
**Joan T Kim MD:** None;  
**Jonathan W Kim, MD:** None;  
**Joung Y Kim MD:** None;  
**Judy E Kim MD:** Allergan: C; cellcure: C; Clearside: C; Eyepoint: C; GENENTECH: C; Kodiak: C; Notal Vision, Inc.: S; Notal Vision: C; Novartis: L; Optos, Inc.: S  
**Stella K Kim MD:** Abbvie: C; Astellas: C; ImmunoGen: C; Seattle Genetics: C  
**Terry Kim MD:** Aerie Pharmaceuticals: C; Alcon/Novartis: C; Allergan/Actavis: C; Avedro: C; Avellino Labs: C,O; B&L/Valeant: C; Blephex: C; CorneaGen: C,O; Dompe: C; Eyenovia: C,O; Johnson & Johnson Vision: C; Kala Pharmaceuticals: C,O; NovaBay Pharmaceuticals: C,O; Ocular Therapeutix: C,O; Omeros: C,O; Presbyopia Therapies: C,O; Shire: C; Simple Contacts: C,O; Zeiss: C  
**Usha Kim MD:** None;  
**Yong-Woo Kim MD:** None;  
**Yoon-Duck Kim MD:** None;  
**Alan E Kimura, MD, MPH:** Spark Therapeutics, Inc.: L,C  
**Robert M Kinast MD:** Bedo Solutions LLC: O; Universal Adherence LLC: O  
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**Shigeru Kinoshita MD:** None;  
**Tyler Q Kirk MD:** None;  
**Elizabeth Kishiki:** None;  
**Kamal Kishore MD:** None;  
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**Koji Kitazawa, MD:** Alcon Laboratories, Inc.: S  
**John W Kitchens MD:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan: C; Carl Zeiss Meditec: C; GENENTECH: C; Notal Vision, Inc.: C; Regeneron Pharmaceuticals, Inc.: C; Vortex Surgical: C



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**Carolyn Kloek MD:** None;

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**Ivo Kocur MD:** None;

**Bruce H Koffler MD:** Paragon Vision Sciences: L

**Adrian H Koh MD:** Alimera Sciences, Inc.: C; Allergan Medical Affairs: C,L; Bausch + Lomb: C; Bayer Healthcare Pharmaceuticals: C,L; Boehringer Mannheim: C; Heidelberg Engineering: C,L; Novartis Pharma AG: C,L,S; Topcon Medical Systems Inc.: C

**Thomas Kohnen MD, PhD, FEBO:** Carl Zeiss Meditec: C,S; Geuder: C; Hoya: S; Johnson & Johnson Vision (Abbott): C,S; Novartis (Alcon): C,S; Oculentis: C,S; Oculus Optikgeräte: C,S; Santen, Inc.: C; SCHWIND eye-tech-solutions: C,S; STAAR Surgical: C; TearLab Corp.: C; Thea Pharma: C; Thieme Compliance: C; Ziemer: C

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**Gregg T Kokame MD:** Bausch+Lomb: C; Bayer Healthcare Pharmaceuticals: C; GENENTECH: S; Regeneron Pharmaceuticals, Inc.: C,S; Zeiss: C

**Mark A Kontos MD:** Allergan, Inc.: C; Avedro, Inc.: C; Carl Zeiss Meditec: C; Johnson & Johnson Vision: C; Sun Ophthalmics: C

**Ellen Koo, MD:** None;

**Aaleya F Koreishi MD:** Allergan: L; Bausch Lomb: L; Shire: L; Vision Care: C

**Anjum F Koreishi, MD:** None;

**Zachary A Koretz, MD, MPH:** None;

**Bobby S Korn, MD PhD FACS:** Elsevier, Inc.: P; Kaneka Pharma LLC: C; Mallinckrodt Pharmaceuticals: C

**Helen L Kornmann, MD:** None;

**Gregory S Kosmorsky DO:** None;

**Andrea N Kossler, MD:** None;

**Nadiya Kots-Gotlib, MD:** None;

**Brent A Kramer, MD:** Alcon: S

**Courtney L Kraus, MD:** None;

**Jonathan Krause, PHD:** Google: E,O

**Rohit Krishna MD:** Cloud Nine Development, LLC: O

**Chandrasekharan Krishnan MD:** None;

**Ronald W Kristan MD:** None;

**Mark E Kropiewnicki, JD, LLM:** Health Care Group: C,E,O

**Ronald R Krueger MD:** Alcon Laboratories, Inc.: C; Calhoun Vision, Inc.: O; Johnson & Johnson Vision: C; Optoquest: C; Presbia: C; Strathespey Crown: O

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**Friedrich E Kruse MD:** Kowa American Corporation: C; Santen, Inc.: C; TRB Chemedica: L

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**Ferenc P Kuhn MD PhD:** None;

**Brajesh Kumar, MBBS:** None;

**Gairik Kundu, MBBS, MS:** None;

**Anthony N Kuo MD:** Leica: P

**Shree K Kurup MD:** Abbvie: C; Alimera Sciences Limited: C; Allergan, Inc.: C, L, S; Clearside: C; Eyetech Ltd: C; mallinkrodt: C; Pfizer, Inc.: S; Regeneron Pharmaceuticals, Inc.: L, S; XOMA (US) LLC: C

**Burton J Kushner MD:** NovaSight: C

## L

**Eleonora G Lad MD PhD:** Boehringer Ingelheim: S; Hoffman La Roche, Ltd.: S; Hoffmann La Roche: C; NightStar Therapeutics: C; Novartis, Alcon Pharmaceuticals: S; Stealth BioTherapeutics Inc: C

**John G Ladas MD:** Advanced Euclidean Solutions: O

**Robert R Lafollette:** None;

**Timothy Y Lai MD, FRCOphth, FRCS:** AbbVie: C; Allergan: L; Bayer Healthcare: C,L,S; Boehringer Ingelheim Pharma: C; Novartis



Pharmaceuticals Corporation: C,L,S; Roche: C,S; Santen, Inc.: L

**Sara E Lally MD:** None;

**Byron L Lam MD:** AGTC: S; Astellas: S; Editas: S; Envision: S; National Eye Institute: S; Nightstar: C,S; Quark: S; Regenera: S; Sanofi: S; Second Sight Medical Products, Inc.: S; Spark Therapeutics, Inc.: C,S

**Wai-Ching Lam, MD:** Alcon: S; Bayer Healthcare Pharmaceuticals: C,L; Novartis Pharmaceuticals Corporation: C,L

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**Katherine A Lane MD:** None;

**Nicole A Langelier, MD:** None;

**Paul D Langer MD:** Matrix Surgical USA: C

**Christine L Larsen, MD:** Aerie Pharmaceuticals, Inc.: L

**Scott A Larson MD:** None;

**Mark A Latina MD:** Aerie Pharmaceuticals, Inc.: L; Alcon Laboratories, Inc.: L; Allergan: L; Diopsys, Inc.: C; Quantel Medical: L

**Andreas K Lauer MD:** Allergan: S; Biogen Inc: C; GENENTECH: S; National Eye Institute: S; Nightstar: C; Oxford BioMedica: S; REGENXBIO: C; Sanofi: C

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**Simon K Law MD:** None;

**Douglas R Lazzaro MD:** None;

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**Andrew G Lee MD:** horizon: C

**Bradford William Lee, MD MSC:** None;

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**Cecilia S Lee, MD:** National Eye Institute: S; National Institute on Aging: S; The Lowy Medical Research Institute: S

**Daniel Lee, MD:** Allergan, Inc.: S; Optovue, Inc.: S

**David A Lee MD:** Bausch + Lomb: L,S

**Jihe Sara Lee, MD:** None;

**Julia Lee, JD:** Modernizing Medicine: C

**Junhee Lee MD:** None;

**Katherine A Lee MD PhD:** None;

**Michael S Lee MD:** evolmed: C; National Eye Institute: S; Quark Pharmaceuticals: S; springer: P; uptodate: P; vindico: C

**Olivia L Lee MD:** Allergan: C,S; Cloudbreak Therapeutics: S

**Shelly T Lee MD:** None;

**Thomas C Lee MD:** None;

**Wen-Hsiang Lee MD PhD:** None;

**Wendy W Lee MD:** Allergan: C; Galderma: C; Lumenis: C; Mallinckrodt: C; Ophthalmology Web: C

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**Rebecca S Leenheer MD:** None;

**Christopher Theodore Leffler, MD:** None;

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**Richard A Lehrer MD:** Glaukos Corporation: L,S; Ivantis: L

**Gary J Lelli, MD:** horizon: C

**Nicole Lemanski, MD:** None;

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**Phoebe D Lenhart MD:** None;

**Cory M Lessner MD:** None;

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**Bo Li, MD:** Alcon Laboratories, Inc.: C; Bausch + Lomb: L

**Jennifer Y Li MD:** None;

**Susan Liang MD:** None;

**Y Joyce Liao MD PhD:** None;

**Jeffrey M Liebmann MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Bausch + Lomb: C; Carl Zeiss Meditech, Inc.: C; Diopsys Corporation: O; FORSIGHT Vision5: O; Galimedix Therapeutics: C,O; Heidelberg Engineering: C,S; Infocus Capital Partners, LLC: C; Merck & Co., Inc.: C; National Eye Institute: S; Quark Pharmaceuticals, Inc.: C; Qura, Inc.: C,O; Reichert, Inc.: S; Sensimed, Inc.: C; SOLX, Inc.: O; Sustained Nano Systems: C,O,P

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**Han Woong Lim, MD, PHD:** None;

**Jennifer Irene Lim, MD:** Alcon Laboratories, Inc.: C; Chengdu Kanghong: S; Clearside: S; CRC Press/ Taylor and Francis: P; GENENTECH: C,L,S; JAMA Ophthalmology Editorial Board: C; Janssen: S; Kodiak: C; Novartis Pharma AG: C; novartis: L; Ophthea: C; pSivida: C; Quark: C; Regeneron Pharmaceuticals, Inc.: S; Santen, Inc.: C; Second Sight Medical Products, Inc.: S

**Michele C Lim MD:** Alcon Laboratories, Inc.: L; MedEdicus: C; Novartis, Alcon Pharmaceuticals: L; Santen, Inc.: C

**Luiz Lima MD:** None;

**Charles C Lin MD:** None;

**David T C Lin, MD:** SCHWIND eye-tech-solutions: C; Shire: C

**Ding Lin MD:** None;

**Phoebe Lin MD PhD:** None;

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**Weijie Violet Lin:** None;

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**Jennifer L Lindsey MD:** None;

**Richard L Lindstrom MD:** Abbott Medical Optics, Inc: C; AcuFocus, Inc: C,O,P; Advanced Refractive Technologies: C; Alcon Laboratories, Inc: C; Alphaeon: C,O; Argosshield: C,O; Augustine Temperature Management : O; Aviana: C,O; Bausch + Lomb: C,O,P; Belkin Laser: C,O; Biosyntx: O; Broadspot: C,O; Bruder: O; Checked-Up: C,O; Clarity Ophthalmics: C,O; Clear Sight: C,O; Confluence Acquisition Partners, Inc: O; CXL, ESI: C,O; Dose: C,O; E-Vision Medical Devices: O; E-Vision Photography: O; E-Vision: O; EBV Partners: C,O; Egg Basket Ventures: O; Egg Factory: O; Elenza: C,O; Equinox: C,O; Excel-Lens, Inc: O; Eyemaginations, Inc: C,O; Flying L Ventures: C,O; ForSight Vision 3 - Drug Delivery Posterior Segment: C,O; ForSight Vision 6 - Accommodating IOL: C,O; Freedom Software: O; FZioMed, Inc: O; G. Nano: O; Glaukos Corp: C,O; Healthcare Transaction Services: C,O; High Performance Optics: O; Iantech: C,O; IDoc, Inc: O; iiCayr, (e-commerce) : C,O; Imprimis: C,O; Innovega: O; Intellinet: O; KalaRx Pharmaceuticals: C,O; King Pharma: O; LENSAR: C; Lenticular Research Group: O; Lifeguard Health: C,O; Lumineyes: O; Minnesota Eye Consultants: C,O; NASA-Vision for Mars Program: C; NICOX: C; Novabay: C,O; Ocular Optics: C,O; Ocular Surgery News/Slack: C; Ocular Therapeutix: C,O; Oculatex: O; Omega Eye Health: C,O; Omega Ophthalmics: C,O; Omeros Corp: C; PogoTec: C,O; Q Sensei: O; Quest: C,O,P; Refractec: C,O; RxSight: C,O; Schroeder Ventures Fund II, III, IV, VI: C,O; SightLife Surgical: C,O; SightPath: C,O; Silk Technologies: C; Solbeam, Inc: O; Strathsprey Crown: O; Stroma: O; SunPharma: C; Tear Science: C,O; TearClear: C; TearLabs, Inc: C,O; Tissue Tech: O; Tracey Technologies: C,O; True Vision: C,O; Versant Fund Side Fund: C,O; Viradax: O; Vision Solutions Technology: C,O; Visionary Ventures: C,O; WF Systems: O; Ziess: C

**Grant T Liu MD:** ELSEVIER: P

**Jiaru Liu:** None;

**Shaohui Liu, MD:** None;

**Tin Yan Alvin Liu, MD:** None;

**Wendy W Liu, MD:** None;

**Yunxiang Liu, MD:** Bristol Drug Delivery: P

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**Anat Loewenstein MD:** Allergan: C,S; Bayer Healthcare Pharmaceuticals: C,S; Beyeonics Surgical, Ltd.: C; Forsightlabs: C; KHB: C; Multicentre Trial: S; Notal Vision, Inc.: C; Novartis Pharmaceuticals Corporation: C,S; Pres-by: C; Roche: C; Sensor: S; Syneos Health: C; WebMD: C; Xbran: C

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**Abhinav Loomba:** None;



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**Kelly Meghan Lovett:** Aira Tech Corp: E  
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**Lam Lu:** None;  
**Xiaoqin Lu MD:** None;  
**Yao Lu, MD:** None;  
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**Anthony J Lubniewski MD:** Mid-America Transplant: C  
**Mark J. Lucarelli, MD FACS:** Horizon Pharmaceutical: C  
**Gregg T Lueder MD:** None;  
**Nikolaus Luft MD:** None;  
**Brandon J Lujan MD:** BioTime: C; GENENTECH: C,S; Southern California Desert Retina Consultants: C; Translations Imaging Innovations, Inc.: C,O; University of California, Berkeley: P  
**Flora Lum MD:** None;  
**Mats H Lundstrom, MD:** None;  
**Caesar K Luo MD:** Alimera Sciences, Inc.: C,L; Allergan: C,L,S; GENENTECH: C; IRIDEX: L; Lumenis, Inc.: C,L,S; Novartis Pharma AG: C  
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## M

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**Susan M MacDonald MD:** Iantech: C,O; PERFECT LENS: C,O  
**Peter W MacIntosh MD:** None;  
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**Richard Jonathan Mackool Jr, MD:** Alcon Laboratories, Inc.: C; Crestpoint Management: P  
**Tamer A Macky MD:** None;  
**Scott M MacRae MD:** Bausch + Lomb: P; Clerio: O  
**Marian Sue Macsai-Kaplan MD:** Abbvie: C; Allergan, Inc.: L,C; Avedro, Inc.: C; Eyevance: C; Johnson & Johnson: C; PRN Physician Recommended Nutraceuticals: C; Shire: L,C  
**Assumpta Madu, MD:** None;  
**Masahiro Maeda MD:** None;  
**Francis S Mah MD:** Abbott Medical Optics Inc.: C,L,S; Aerie: C; Alcon: C; Allergan: C; Avedro, Inc.: C; Avellino Labs: C; Bausch Lomb: C,L; CoDa: C; EyePoint: C; inVirsa: C; iView: C; KALA: C; Mallinckrodt Pharmaceuticals: C; NovaBay: C; Novartis, Alcon Pharmaceuticals: C,L; Ocular Science: C,O; Ocular Therapeutix: C,S; Okogen: C,O; Omeros Corporation: C; PolyActiva: C; RxSight: C; Senju: S; Shire: C,L; Slack Publishing: C,P; Sun Pharma: C,L; Sydnexis: C,O; TearLab: C  
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**Arindel S Maharaj, MD:** None;  
**Andre Maia, MD:** None;  
**Ajit B Majji MD:** None;  
**Parag A Majmudar MD:** Alcon Laboratories, Inc.: C; Bausch Lomb: C; CXL Ophthalmics LLC: O; Kala Pharmaceuticals: C; Rapid Pathogen Screening: O; Shire: C; Sun Pharma: C  
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**Francisco Male, MD:** None;  
**Zaiba Malik MD:** None;  
**Andrew Maller MBA:** BSM Consulting: C,O,E





**Bruce S Maller:** BSM Consulting: C

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**Boris Malyugin MD PhD:** Alcon Laboratories, Inc.: C; Bausch Lomb: C; Carl Zeiss Meditec: C; Morcher GmbH: P; MST: P; Novartis Pharmaceuticals Corporation: C; Senju Pharmaceutical Co.,Ltd.: C

**Nick Mamalis MD:** Advanced Vision Science: S; Alcon Laboratories, Inc: S; Anew Optics, Inc: C,S; Atia Vision: S; ClarVista: S; ClearSight: S; CoDa Therapeutics: S; Cord: S; Genisphere: S; HOYA: S; KeraMed, Inc.: S; LensGen: S; Medicontur: S; Merck & Co., Inc.: S; Mynosys: S; Omega: S; PerfectLens: S,C; Physiol: S; PowerVision: S; QURA, Inc.: S; Zeiss: S

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**Edward E Manche MD:** Alcon Laboratories, Inc.: S; Allergan: S; Averdro: C,S; Best Doctors, Inc.: C; Carl Zeiss Inc: C,S; Clarity Vision Technologies: O,C; Guidepoint: C; Johnson & Johnson Vision: C,S; Ocular Therapeutix: S; Presbia, Inc.: S; RxSight: O; Shire: C; Vacu-Site: O,P

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**Mark J Mannis MD:** None;

**Sofia Sousa Mano, MD:** None;

**Steven L Mansberger MD MPH:** Allergan: S; National Eye Institute: S; Nicox: C; Ocular therapeutics: S

**Sam Edward Mansour MD:** Alimera Sciences, Inc.: S; IRIDEX: C,L,S

**Kaweh Mansouri MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: L; Implandata: C; New World Medical Inc: C; Santen, Inc.: L; Sensimed AG: C

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**John A Marasco:** Marasco & Associates, Healthcare Architects & Consultants: E,O

**Marcus M Marcet MD:** None;

**Susana Marcos, PHD:** 2EyesVision: O,P

**Frank J Mares MD:** None;

**Todd P Margolis MD PhD:** Rational Vaccines: O; RPB: S

**Antonio A P Marinho MD PhD:** Zimmer: C

**Gary I Markowitz MD:** self employed: C

**Michael F Marmor MD:** None;

**Brian P Marr MD:** Arua bioscience: C; castel bioscience: C; immunitor: C

**Jose Agustin Martinez MD:** None;

**Douglas P Marx MD:** None;

**Jeffrey L Marx MD:** Allergan, Inc.: C

**Samuel Masket MD:** Alcon Laboratories, Inc.: C; CAPSULaser: C,O; Haag-Streit: C,P; Morcher GmbH: P; Ocular Science: C,O; Ocular Therapeutix: C,O; PowerVision: C

**Steven L Maskin MD FACS:** Katena Products, Inc: C,L,P; MGDinnovations, Inc: O,P

**Mina Massaro-Giordano MD:** Dompe: C; Lynthera: C; PRN Physician Recommended Nutraceuticals: O

**Robert W Massof PhD:** IrisVision: C,P,S; Janssen: C; SeeBoost: C

**Miguel A Materin MD:** Castle Bioscience: C; Ideaya Biosciences: C

**Priya M Mathews, MD:** None;

**Kenneth C Mathys MD:** None;

**Kaori Matsumoto:** None;

**Cynthia Mattox, MD:** Aerie: C; Alcon Laboratories, Inc.: C,S; Allergan: C,S; Glaukos Corporation: C; Humphrey Zeiss: C; Ivantis: C; New World Medical Inc: C; RegenXBIO: C; Santen, Inc.: C

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**Ioannis Mavrikakis MD PhD:** None;

**Louise A Mawn MD:** None;

**Jason R Mayer, MD:** None;

**Eduardo P Mayorga, MD:** None;

**Robert A Mazzoli MD:** Sonalysts, Inc: C

**Cathleen M McCabe MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,S; Bausch Lomb: C,L; EyePoint Pharmaceuticals: C,L; Glaukos



Corporation: L,S; Ivantis: L,O,S; Ocular Therapeutix: C; Omeros: C,L; shire: C,S; Sun Ophthalmics: C,L; Zeiss: L  
**Sean J McCafferty MD:** Flinn Foundation: S; intuor technologies: O; Johnson & Johnson Vision: S; NIH: S  
**Colin A McCannel MD:** Allergan: S; DORC International, bv/Dutch Ophthalmic, USA: C,L; GENENTECH: S  
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**Ann McColgin MD:** None;  
**Emily A McCourt, MD:** None;  
**Michael S McCracken MD:** None;  
**Timothy J McCulley MD:** GENENTECH: C; Stryker Corp/Medical Division: C  
**H. Richard McDonald, MD:** Abbvie: S; Alcon Laboratories, Inc.: S; Carl Zeiss Meditec: S; Kodiak Sciences Inc.: C; Regeneron Pharmaceuticals, Inc.: S; Santen, Inc.: S  
**Andrew McDonnell:** None;  
**Yuri McKee MD:** Carl Zeiss Inc: C; Interactive Medical Publishing: O; Ivantis: S; LENSAR: C,S  
**Craig A McKeown MD:** None;  
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**Brian D McMillan, MD:** Aerie: C; Allergan, Inc.: C  
**Ramon Medel MD:** None;  
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**Amir Mehralian, MD:** None;  
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**Annal D Meleth MD:** Allergan, Inc.: C  
**Jill S Melicher Larson MD:** SLACK: P; Unifeye Vision Partners: O  
**Samir A Melki MD PhD:** Biolab Sciences: C; Gecko Biomedical: C; Johnson & Johnson Vision: L; Stroma: O; Tiba Biomedical: O  
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**Thais Sousa Mendes MD:** None;  
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**Carsten H. Meyer:** None;  
**Shahzad I Mian, MD:** National Eye Institute: S  
**Michel Michaelides, MD:** 2CTech: C; Acucela: C; MeiraGTx: C,O; Stargazer Pharmaceuticals: C  
**Zofia Michalewska MD:** None;  
**William F Mieler, MD:** None;  
**Shravani Mikkilineni, MD, MBA:** None;  
**Corey A Miller MD:** None;  
**John B Miller MD:** Alcon Laboratories, Inc.: C; Carl Zeiss Meditec: C; Heidelberg Engineering: L  
**Kevin M Miller MD:** Alcon Laboratories, Inc.: C; Bausch + Lomb: O; ianTECH/Zeiss: C; Johnson & Johnson Vision: C  
**Kyle E Miller, MD:** None;  
**Neil R Miller MD:** Elsevier: P; Quark Pharmaceuticals: C; Regenera: C; Wolters Kluwer: P  
**Eydie G Miller-Ellis, MD:** Aerie Pharmaceuticals, Inc.: C; Allergan: S; National Eye Institute: S  
**Masashi Mimura, MD:** None;  
**Virginia M Miraldi Utz, MD:** Retrophin: S; Springer Publishing Company: P  
**Kamiar Mireskandari, MBCHB, PHD:** Santen, Inc.: C  
**Elisabetta Misericocchi MD:** Abbvie: C,L; Alimera Sciences, Inc.: C; Allergan: C; Novartis: C,L; OFF health: C,L; Santen, Inc.: C,L;



Shire: C

**Poonam Misra, MD:** None;

**Robert A Mitra MD:** None;

**Mehmet Cem Mocan MD:** None;

**Milad Modabber, MD:** None;

**Yasha S Modi, MD:** alimera: C; Allergan: C; GENENTECH: C; novartis: C

**Heather Modjesky:** None;

**Bobeck S Modjtahedi, MD:** None;

**Lylas G Mogk MD:** None;

**Sujatha Mohan, MBBS:** None;

**Elad Moisseiev, MD:** None;

**Mario Montelongo, MD:** None;

**Maria Jose Montero Romero, MD:** None;

**Anthony T Moore, BMBCH:** 4D Therapeutics: C; AGTC: S; Nightstar: C; Sanofi: C

**Ramana S Moorthy MD:** None;

**Venkateswara V Mootha MD:** None;

**Marcelle M Morcos MD:** None;

**Mark Morel Jr, MD:** None;

**Sayoko E Moroi MD PhD:** Aerie Pharmaceuticals, Inc.: S; Allergan: S; Bausch + Lomb: C; Icare USA: S; Wolters Kluwer Health: P

**David G Morrison MD:** None;

**Lawrence S Morse MD PhD:** GENENTECH: C,S,L; IRIDEX: C,L

**Peter W Mortensen, MD:** None;

**Asa Dan Morton III MD:** None;

**Sameh Mosaed MD:** Aerie Pharmaceuticals: C; Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Bausch + Lomb: C,L

**Eve E Moscato MD:** None;

**Andrew A Moshfeghi MD, MBA:** Alimera Sciences, Inc.: C; Allegro, Inc.: C; Allergan: C,L; Bausch+Lomb: C; Clearside: C; EyePoint: C; GENENTECH: C,S; Novartis Pharma AG: C; OptiSTENT: C,O; Pr3vent: C,O; Regeneron Pharmaceuticals, Inc.: C,S; Spark: C; Visunex Medical Systems: C,O

**Ala Moshiri, MD, PHD:** None;

**Mark L Moster MD:** Gensight: C,S; Regenera: S; Sanofi: L

**Marlene R Moster MD:** Aerie Pharmaceuticals: C,S,L; Alcon Laboratories, Inc.: C,L,S; Allergan: C,L,S; Bausch + Lomb: L,S; Glaukos: S; InnFocus: S; IRIDEX: L,S; MedEdicus: L; New World Medical Inc: C; Novartis, Alcon Pharmaceuticals: L; QURA: C,O; Santen, Inc.: C,S

**Magdy S Moussa MD MBCh:** None;

**Prithvi Mruthyunjaya MD:** Aura: C; Castle Biosciences Inc: C; Optos, Inc.: C; Santen, Inc.: C; Spark: C

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**Somasheila I Murthy, MD:** None;

**Donald O Mutti, OD, PHD:** Welch Allyn: C

**William G Myers MD:** Carl Zeiss Meditec: C; Leiter's Compounding Pharmacy: C

## N

**Lina Nagia DO:** Alexion Pharmaceuticals: C

**Zoltan Nagy MD:** None;

**Steven M Naidis, MD:** Bausch + Lomb: L; Mallinckrodt Pharmaceuticals: L; NovaBay Pharmaceuticals: L

**Milind N Naik MBBS:** None;

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**Yoshihide Nakai MD:** None;

**Afshan A Nanji MD:** None;



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**Andrea Naranjo:** None;  
**Ameay Vijay Naravane, BS:** None;  
**Shalini Nataraj:** None;  
**Sundaram Natarajan MD:** Aditya Jyot Eye Hospital pvt ltd: E  
**Alejandro Navas MD:** None;  
**Jerzy Nawrocki MD PhD:** None;  
**Arvind Neelakantan MD:** None;  
**Kristiana D Neff MD:** Sun Ophthalmics: L  
**James Neffendorf, MBBS:** None;  
**Christine C Nelson MD:** Horizon: C  
**Jeffrey A Nerad MD:** None;  
**Peter Andreas Netland MD PhD:** PTC Therapeutics: S  
**Marcus C Neuffer MD:** None;  
**Anita Nevyas-Wallace MD:** ArcScan: O; Varitronics, Inc.: C,O; Ziemer Ophthalmic Systems: C  
**Nancy J Newman MD:** Gensight: C,S; National Eye Institute: S; Quark: C; Santhera: S,C; Stealth: C  
**Paula Anne Newman-Casey MD:** National Eye Institute: S  
**Joseph T Nezgoda, MD MBA:** GENENTECH: L  
**John D Ng MD:** Bio-Logic Aqua Research, Inc: C,O  
**Jonathon Q Ng MBBS:** Australian Research Council: S  
**Van D Nguyen, MD:** None;  
**Bruce D. Nichols MD:** None;  
**Bharti Kishore Nihalani Gangwani, MD:** None;  
**Lisa Nijm MD, JD:** Allergan: C; Bruder Healthcare Company: C; EyePoint: C; Novartis, Alcon Pharmaceuticals: C,L; Ocular Therapeutix: C; Omeros Corporation: C,L; zeiss: C  
**Neda Nikpoor, MD:** Johnson & Johnson Vision: C; Ziemer Ophthalmics AG: L  
**Kanwal K Nischal MBBS:** Zeiss: L  
**Josie Noah:** SightLife: E  
**Kouros Nouri-Mahdavi MD:** Heidelberg Engineering: L,S  
**Kenneth D Novak MD:** None;  
**Sawsan R Nowilaty MD:** Bayer Healthcare Pharmaceuticals: C  
**Rudy Nuijts MD:** Alcon Laboratories, Inc.: C,L,S; Carl Zeiss Meditec: S; Johnson & Johnson: S; OPHTEC: L  
**Kohsaku Numa:** None;

## O

**Jacquelyn A O'Banion, MD:** None;  
**Terrence P O'Brien MD:** Akorn Inc.: C; Bruder Healthcare Company: C; Kala: C; Shire: C; Sun Ophthalmics: C  
**Ghazala A Dattoo O'Keefe, MD:** EyePoint Pharmaceuticals: C  
**Osman Bulut Ocak, MD:** None;  
**John D Odette MD:** Johnson & Johnson: S  
**Thomas A Oetting MD:** None;  
**Gregory S H Ogawa MD:** VisionQuest Biomedical, Inc.: O,C  
**Kyoko Ohno-Matsui MD:** Bayer Healthcare Pharmaceuticals: C; Santen, Inc.: C  
**Toshihiko Ohta, MD:** None;  
**Matthew S Oliva MD:** None;  
**Armando L Oliver MD:** Allergan: L; Bristol-Myers-Squibb: O  
**Timothy W Olsen, MD:** iMacular Regeneration LLC: O; National Eye Institute: S  
**Randall J Olson, MD:** Eyegate Pharma: C; Perfect Lens: C  
**Tushya Omparkash, MBBS, MS:** None;



**Hon Shing Ong, MBBS:** None;

**Stephan Ong Tone, MD:** None;

**Lindsay Ong-Tone MD:** None;

**Faruk H Orge MD:** None;

**Anton Orlin MD:** Allergan: C; GENENTECH: C

**Stephen E Orlin MD:** Allergan: C; GlaxoSmithKline: C

**Micheal Orourke, MD:** None;

**Robert H Osher MD:** Bausch & Lomb Surgical: C; Beaver-Visitec International, Inc.: C; Carl Zeiss Meditec: C; Cataract Surgery: Telling It Like It Is!: C; Microsurgical Technology: C; Omeros: C; Video Journal of Cataract & Refrac Surg: O

**Tetsuro Oshika MD:** Alcon Laboratories, Inc.: C,L,S; Glaukos Corporation: L; HOYA: L,S; Johnson & Johnson Vision: C,L,S; KAI Industries Co., Ltd: S; Kowa: L,S; Mitsubishi Tanabe: C; Novartis Pharma AG: L,S; Otsuka: L,S; Pfizer, Inc.: L,S; Santen, Inc.: C,L,S; Senju Pharmaceutical Co.,Ltd.: L,S; Tecnopia: L; Tomez Corporation: L,S; Topcon Medical Systems Inc.: C,L,S

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**J Matthew Owens Esq:** None;

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P

**Mark Packer MD:** Advanced Vision Science: C; Aerie Pharmaceuticals: C,O; Agility Clinical, Inc.: C; Alcon Laboratories, Inc.: C; Bausch Lomb: C; Cassini BV: C,O; ClearSight, LLC: C,O; Eyenovia, Inc.: O; International Biomedical Devices, Inc.: C,O; Ira, Inc.: O; Keranova: C; LensAR: C; Oculeve: C; Promedica International, Inc.: C; Rayner Intraocular Lenses Ltd: C; Refocus Group, Inc.: C,O; SOLX, Inc.: C; STAAR Surgical: C,O; Tarsus Pharmaceuticals: C; Transcend Medical, Inc.: O; TrueVision: O; University of Colorado: C; Visant Medical, Inc.: O; WaveTec: O

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**Timothy P Page MD:** Bausch + Lomb: C; Johnson & Johnson: C; Page Surgical Innovation: P

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**Grace L Paley, MD, PHD:** MidAmerica Transplant: C

**Ana Gabriela Palis MD:** None;

**Ioannis Pallikaris, MD, PHD:** EYE PCR: O

**Paul F Palmberg MD PhD:** Abbott Medical Optics: S; Aurolab (unpaid consultant): C; InnFocus, Inc.: C; Santen, Inc.: C,L

**Florentino E Palmon MD:** None;

**Carolyn K Pan MD:** None;

**Joseph F Panarelli MD:** Aerie: C,L; Allergan: C,L; Glaukos Corporation: L; New World Medical Inc: C; Santen, Inc.: C

**Surinder Singh Pandav MBBS MS:** None;

**Rahul T Pandit MD:** Bausch+Lomb: L; Johnson & Johnson Vision: L

**Mina B Pantcheva MD:** None;

**Athanasios Papakostas, MD:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; ThromboGenics: C

**Alessandro Papayannis:** None;

**Ravi S Parikh, MD:** None;

**Ki Ho Park MD, PhD:** Allergan: C,S; Novartis, Alcon Pharmaceuticals: S; Santen, Inc.: L,S; Sensimed: C,S; Topcon: L

**Susanna S Park MD PhD:** Allergan: S; Roche: S

**Rohit Om Parkash, MBBS, MS:** None;

**David W Parke II, MD:** OMIC-Ophthalmic Mutual Insurance Company: C

**David W Parke III MD:** None;

**Richard K Parrish II MD:** Aerie Pharmaceuticals, Inc: C,O; Alimera Sciences, Inc.: O; American Journal Of Ophth: C; National Eye Institute: S

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**Michael F Parsons MD:** None;

**Purnima S Patel MD:** None;

**Shriji Patel, MD:** None;

**Vivek R Patel MD:** None;

**Anjali K Pathak MD:** None;

**Preeti A Patil, MD:** None;

**Caroline Patterson:** None;

**Michael D Patterson, DO:** Allergan: C,L; Beaver-Visitec International, Inc.: C; Carl Zeiss Meditec: C,L; Glaukos Corporation: L,C; Ivantis: C,L; Johnson & Johnson Vision: C; New World Medical Inc: C,L; Sight Sciences: C

**Scott E Pautler MD:** Allergan: S; Chengdu Kanghong Biotech: S; GENENTECH: S; Hoffman La Roche, Ltd.: S; TOGA Trial Group: S

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**Ron W Pelton MD PhD:** OMIC-Ophthalmic Mutual Insurance Company: C

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**Raphael Calixto Penatti, MD:** None;

**Chi-Hsien Peng MD:** None;

**Lily Peng, MD, PHD:** Google: E

**Mark E Pennesi MD PhD:** agtc: C; Astellas Pharmceuticals: C; Editas: C; Eyeevensys: C; Gensight: C; Horama: C; Nacuity: C,O; Nayan: C; Nightstarx: S; ProQR Therapeutics: C; Sanofi: S; Spark Therapeutics: C; Wavemetrics: C

**Jay Stuart Pepose MD PhD:** AcuFocus, Inc.: C,O; Allergan, Inc.: C; Bausch + Lomb: C; Dompe: C; GENENTECH: C; Johnson & Johnson Vision: C; Kala: C; MG Therapeutics: O; Mimetogen: O; Novartis Pharma AG: C; Ocnunexis: O,C; Stuart Pharmaceuticals: O,C; Sun Ophthalmics: C; TearLab Corporation: C





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**Austin Michael Pereira:** None;  
**Victor L Perez MD:** Duke Eye Center: S; Eyegate Pharma: C,O; Kala: C; National Eye Institute: S; Novaliq: C; shire: C; Trefoil: C,O; University of Miami: P  
**Claudia E Perez-Straziota, MD:** None;  
**Arthur C Perry MD:** None;  
**Clifton Blake Perry, MD:** None;  
**Mae Millicent W Peterseim MD:** None;  
**Jessica Peterson, MD, MPH:** None;  
**Rebecca Peterson-Fisher:** None;  
**Konstantin Petrukhin, PHD:** Belite Bio: C; The Trustees of Columbia University in the City of New York: P  
**Jeff H Pettey MD:** None;  
**Stephen C Pflugfelder MD:** Allergan: C; Immuneze: O; Senju: C; Shire: C,S  
**Debra L Phairas:** None;  
**Randal T Pham MD FACS:** Vision Care Inc.: C  
**Paul M Phillips MD:** None;  
**Francesco Pichi, MD:** None;  
**Dante Pieramici MD:** None;  
**Angelique Pillar, MD:** None;  
**Roberto Pineda II MD:** Amgen: C; Elsevier Inc: P; HealthyMee: O; Ophthotech: C; Sanofi: C  
**Stacy L Pineles MD:** Fitz Frames: C  
**Matteo Piovella MD:** AcuFocus, Inc.: C; Beaver-Visitec International, Inc.: L; Carl Zeiss Meditec: C; Johnson & Johnson Vision: C; Ocular Therapeutix: L; TearLab: C; TearScience: L  
**John D Pitcher MD:** Alcon Laboratories, Inc.: S; GENENTECH: C,L; Novartis, Alcon Pharmaceuticals: L,C; Regeneron Pharmaceuticals, Inc.: C,L  
**Sahitya Podila, BA, BS:** None;  
**John S Pollack MD:** Allegro: C; Covalent Medical: O; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C,S; Notal Vision, Inc.: C,O; Novartis Pharma AG: C; REGENXBIO: C; Vestrum Health: O  
**Luke B Potts, MD, PHD:** None;  
**Nader Pouratian, MD, PHD:** Abbott, Inc: C,S; Boston Scientific: C; BrainLab: C,S; Medtronic: C,S; Second Sight Medical Products: C,S  
**Lalitha Prajna MD:** None;  
**S. Grace Prakalapakorn, MD, MPH:** MCRA: C; NIAID: C; Sanofi: C  
**Gaurav Prakash, MBBS:** None;  
**Derek A Preece MBA:** Allergan, Inc.: C  
**Jonathan L Prenner MD:** Alcon Laboratories, Inc.: C; Panoptica: C,O; Regeneron Pharmaceuticals, Inc.: C  
**Kristina M Price MD:** None;  
**Jamie Prince, MD:** None;  
**Brian Privett MD:** Omeros: O  
**SMRUTI REKHA PRIYADARSHINI, FICO:** None;  
**Paul L Proffer MD:** Allergan, Inc.: L  
**Bryan D Propes MD:** None;  
**Julia Prospero:** None;  
**Lorraine A Provencher, MD:** None;  
**Amar Pujari, MBBS:** None;  
**Karim G Punja MD:** Alcon Canada Inc.: C; Allergan: C; Clarion Medical Technologies: C  
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## Q

**Ying Qian MD:** None;

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## R

**Irving M Raber MD:** None;  
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**Michael W Raciti, MD:** None;  
**Nathan M Radcliffe MD:** Aerie Pharmaceuticals: C; Alcon Laboratories, Inc.: C,L; Alimera Sciences, Inc.: C,L; Allergan: C,L; Bausch+Lomb: C,L; Beaver-Visitec International, Inc.: C; Carl Zeiss Meditec: C; Ellex: C,L; Equinox: O,C; Glaukos Corporation: C,L; IRIDEX: C,L; Ivantis: C; Lumenis, Inc.: C,L; New World Medical Inc: C,L; Novartis Pharma AG: C,L; Ocular Science: C,O; Reichert, Inc.: C,L; Santen, Inc.: C; Shire: C; Sight Sciences: C  
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**Seemant Raizada, MD FRCSEd:** Allergan, Inc.: C  
**Fatemeh Rajaii MD:** Horizon: C  
**Mohan Rajan MD MBBS:** None;  
**Purushothama M Rajkumar, MD:** None;  
**Leela V Raju MD:** Allergan: C; RPS: O  
**Vadrevu K Raju MD FRCS FACS:** None;  
**Muralidhar Ramappa, MD:** None;  
**Kim Ramasamy, MBBS:** None;  
**Nicholas A Ramey, MD:** None;  
**Jean E Ramsey, MD, MPH:** None;  
**Pradeep Y Ramulu MD PhD:** Aerie Pharmaceuticals, Inc.: C; Ivantis: C; WL Gore Inc: C  
**J. Bradley Randleman MD:** None;  
**Naveen K Rao, MD:** Parexel: C; W.L. Gore Corporation: C  
**Prethy Rao, MD:** Vortex Surgical: P  
**Rajesh C Rao, MD:** Barbara Dunn Research Fund: S; Beatrice & Reymont Paul Foundation: S; E. Matilda Ziegler Foundation for the Blind: S; Elaine Sandman Research Fund: S; Grossman Research Fund: S; Leonard G. Miller Ophthalmic Research Fund at the Kellogg Eye Center: S; March Hoops to Beat Blindness: S; National Cancer Institute: S; National Eye Institute: S; Research to Prevent Blindness: S; Roz Greenspon Research Fund: S  
**Sara Burns Rapuano, MBA, OCS:** Avedro, Inc.: C,L; Wills Eye Hospital: C  
**Marie Louise Roed Rasmussen MD PHD:** None;  
**Suryasnata Rath FRCS:** None;  
**Russell W Read, MD, PHD:** None;  
**Ronald Luke Rebenitsch, MD:** AcuFocus, Inc.: L; Carl Zeiss Meditec: C; FDA Ophthalmic Devices Committee: C; STAAR Surgical: L; Zeimer USA : L  
**Ashvini K Reddy MD:** Clearside: C  
**Sherman W Reeves MD MPH:** Avedro: O,C; Johnson & Johnson Vision: L; Unifeye Vision Partners: O  
**Carl D Regillo MD FACS:** Aerpio: S; Alcon Laboratories, Inc.: C,S; Allergan: C,S; GENENTECH: C,S; GlaxoSmithKline: S; Kodiak: C,S; Notal Vision, Inc.: C,S; Novartis Pharmaceuticals Corporation: C,S; Regeneron Pharmaceuticals, Inc.: S; Shire: C  
**Dan Z Reinstein MD:** Arcscan Inc, Morrison, Colorado: O,P; Carl Zeiss Meditec: C; Optimo Medical AG: C  
**Bibiana J Reiser MD:** Bausch + Lomb: C,S; OPHTEC: S  
**Michael X Repka, MD, MBA:** American Academy of Ophthalmology: S; National Eye Institute: S  
**Rajaraman Revathi MD:** None;  
**James D Reynolds MD:** Novartis: C  
**Flavio A Rezende, MD, PHD:** None;  
**Jaqueline Silva De Rezende, MD:** None;  
**Leah Greenhill Reznick MD:** None;  
**Michelle K Rhee MD:** Abbott Medical Optics Inc.: O; Gilead Sciences: O; The Eye Bank for Sight Restoration: C

**Kamran M Riaz, MD:** Bausch + Lomb: L; Beaver-Visitec International, Inc.: C

**William L Rich III, MD, FACS:** None;

**Anne T Riddering, PHD:** None;

**Christopher D Riemann MD:** Aerepio: S; Alcon Laboratories, Inc.: C,L,S; Alimera Sciences, Inc.: C,L; Allergan: L,S; Aniridia Foundation International: C; Bausch + Lomb: L,C; BMC / Eyetube: C; Clovernook Center for the Blind and Visually Impaired: C; CSTLI: L; CVP (CEI Vision Partners): E,O; Digital Surgery Systems: O; GENENTECH: S; Gore: C; Haag Streit USA: C; Haag-Streit Surgical GmbH: C,L; HumanOptics AG: C; IamC2: C,P; iVeena: O; Johnson : C,P; Kaleidoscope: C; Macor Industries: C,O; MedOne Surgical: C,P; Northmark Pharmacy: O; Notal Vision, Inc.: C; Novartis Pharma AG: L; Orbit Biomedical: C; Regeneron Pharmaceuticals, Inc.: S; Reliance Medical Products : C; TrueVision Systems: C,O; VEO: O; Vortex Surgical: C,O,P

**Aref Rifai MD:** None;

**Pukhraj P Rishi, MD:** Allergan, Inc.: C

**Jennifer Rispo-Maguire:** None;

**Robert Ritch MD FACS:** Aeon Astron: C; Axim Biotechnologies, Inc.: C; Diopsys, Inc.: C; Emerald Bioscience Inc.: C; Glauconix, Inc.: C; GLIA, LLC: C; Guardian Health Sciences: C; Intelon Optics: C; iSonic Medical: C; Mitotech: C; Ocular Instruments, Inc.: P; Sensimed: C

**Stanislao Rizzo MD:** None;

**Alan L Robin MD:** American Glaucoma Society: E; Perfuse Therapeutics: C; versant health: C

**Karolinne M Rocha MD:** Alcon Laboratories, Inc.: C; Allergan: C; Bausch Lomb: C; Johnson : C

**Eduardo B Rodrigues MD:** None;

**Francisco J Rodriguez MD:** Allergan: C; Bayer: C,L; Novartis Pharmaceuticals Corporation: C

**Yasaira Rodriguez, MD:** None;

**Prin Rojanapongpun, MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; Carl Zeiss Inc: L; Santen, Inc.: C,L; SwissMed: L

**Maria S Romero, MD:** None;

**Fnu Roop, MBBS:** none: P

**Prakhyat Roop, MBBS:** self: P

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**David S Rootman MD:** None;

**Gerald J Roper MD:** Carl Zeiss Meditec: C,L; InMode Ltd: O; Regeneron Pharmaceuticals, Inc.: O

**Jullia A Rosdahl, MD PHD:** GORE: C; Locus Biosciences: E

**Jennifer R Rose-Nussbaumer MD:** None;

**James T Rosenbaum MD:** Abbvie: C; Celldex: C; Corvus: C; Gilead Sciences: C; Horizon: C; Janssen: C; Novartis Pharma AG: C; Pfizer, Inc.: S; Roche: C; Santen, Inc.: C; UCB: C; UpToDate: P

**Ron Rosenberg, PA, MPH:** Modernizing Medicine: C; Practice Management Resource Group: C,O

**Philip J Rosenfeld MD PhD:** Apellis: C,O; Boehringer-Ingelheim: C,S; Carl Zeiss Meditec: C,S; Chengdu Kanghong Biotech: C; Healios K.K.: C; Hemera Biosciences: C; Isarna Pharmaceuticals: C; Lin Bioscience: C; MacRegen: C; OcuDyne: C,O; OcuNexus: C; Stealth Biotechnology: S; Unity Biotechnology: C; Verana Health: O

**Steven I Rosenfeld MD FACS:** Blue Sea Capital: C; InFocus Capital: C; Modernizing Medicine: C; NovaBay: C

**Kenneth J Rosenthal MD FACS:** Bausch Lomb: C,L; Johnson : C,L; OPHTEC: C

**George O D Rosenwasser MD:** None;

**Jacinthe Rouleau MD:** Alcon Laboratories, Inc.: C

**Andres M Rousselot Ascarza, MD:** None;

**Sheri Rowen MD:** Orasis Pharmaceutical: C,O

**Ilya M Rozenbaum MD:** None;

**Paisan Ruamviboonsuk MD:** Bayer Healthcare Pharmaceuticals: C; GENENTECH: C; Novartis, Alcon Pharmaceuticals: C

**Jonathan B Rubenstein MD:** Novartis, Alcon Pharmaceuticals: C

**Stephen Richard Russell MD:** IDx: O; Novartis Pharma AG: C; ProQR: S; Publisher of The Lost Art of Retinal Dra: O; Spark Therapeutics: C,S; University of Iowa: P

**Edwin Hurlbut Ryan Jr MD:** Alcon Laboratories, Inc.: P

## S

**Natarajan S:** None;

**Ho-Seok Sa, MD:** None;

**Alain Saad, MD:** AcuFocus, Inc.: C; Bausch+Lomb: C; Carl Zeiss Inc: C; Geuder: C; Nidek, Inc.: C

**Khalid K Sabti, MD:** alcon: C

**Srinivas R Sadda MD:** 4DMT: C; Allergan: C,S; Amgen: C; Bayer: C; Carl Zeiss Meditec: C,S; Centervue: C; GENENTECH: C; Heidelberg Engineering: C; Nidek: L; NightstarRx: C; Novartis Pharma AG: C; Optos, Inc.: C; ThromboGenics, Inc.: C; Topcon Medical Systems Inc.: L

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**Steven G Safran MD:** Bausch + Lomb: L; Ellman, A Cynosure Company: C; Johnson & Johnson: L; Optos, Inc.: L

**Oded Sagiv, MD:** None;

**Hady Saheb, MD, MPH:** Abbott: C; Aerie Pharmaceuticals: S; Alcon Laboratories, Inc.: C,L,S; Allergan: C,L; Bausch + Lomb: L; FDA: C; Glaukos Corporation: C; Ivantis Inc: S; THEA: C; Zeiss: C

**Onurcan Sahin BS MS PHD:** EYE PCR B.V.: C

**Bishoy Onsy Said MD:** Johnson & Johnson: C

**Michael Saidel MD:** Alcon Laboratories, Inc.: L; Bausch Lomb: C,L; Shire: C

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**Mario Guillermo Salcedo-Casillas, MD:** None;

**Mario John Saldanha, MBBS:** None;

**Christopher S Sales, MD:** Alcon Laboratories, Inc.: C; Network Medical: P

**Sarwat Salim, MD:** Aerie Pharmaceuticals, Inc.: C,L

**Raminder K Saluja MD:** Cynosure, AMPS, BTL: C

**Konstantinos Samaras MD:** None;

**John R Samples MD:** Aerie Pharmaceuticals, Inc.: L; aleyegn: C,P; Allergan, Inc.: L,C; Bausch + Lomb: C,L; Eyegenetix: C,P; Kugler Publications: C; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: L,C; Optic Nerve Regeneration Technologies: C; SLACK Incorporated: C,L

**Brian C Samuels MD, PhD:** None;

**Thomas W Samuelson MD:** Aerie Pharmaceuticals: C; Akorn Inc.: C; Alcon Surgical: C; AMO (Abbott Medical Optics): C; AqueSys/Allergan: C; Bausch & Lomb/Valeant: C; Belkin Laser Inc.: C; Equinox: C,O; Glaukos: C,O; Ivantis: C,O; Ocular Surgery News: C; Ocuphire: C; Santen: C; Shire: C; Sight Sciences, Inc.: C; TearClear: C; Transcend Medical: C; Vindico/Slack: C

**Debra-Meghan Sanft MD:** None;

**Virender S Sangwan MBBS:** None;

**Prithvi S Sankar MD:** National Eye Institute: S

**Marcony R Santhiago, MD:** Alcon Laboratories, Inc.: C,L; ziemer: C

**Steven R Sarkisian, MD:** Alcon Laboratories, Inc.: C,L,S; Allergan: C,L; Bausch + Lomb: C,L; Beaver-Visitec International, Inc.: C; Glaukos Corporation: C,S; Katena Products, Inc: C; New World Medical Inc: C; Omeros: C; Santen, Inc.: C; Sight Sciences, Inc.: C,O,S

**Caterina Sarnicola:** None;

**Enrica Sarnicola MD:** None;

**Vincenzo Sarnicola MD:** None;

**David Sarraf MD:** Amgen: C; Bayer Healthcare Pharmaceuticals: L; GENENTECH: C,S; Heidelberg Engineering: S; Novartis Pharmaceuticals Corporation: L; Optovue: C,S; Regeneron Pharmaceuticals, Inc.: S; Topcon Medical Systems Inc.: S

**Erika B Saucedo-Sanchez MD:** None;

**Aaron M Savar MD:** None;

**Louis Savar MD:** None;

**Giacomo Savini:** None;

**Rohit Saxena, MD, PHD:** None;

**Giuliano Scarcelli, PHD:** intelon optics: C,O; mass general hospital: P; U of Maryland: P

**Richard L Scawn MBBS:** None;

**Shlomit Schaal MD, PhD:** None;

**Julie M Schallhorn, MD:** Carl Zeiss Meditec: C; Johnson & Johnson Vision: C

**Konrad Schargel P MD:** Alcon Laboratories, Inc.: L; Glaukos Corporation: L; Santen, Inc.: L; THEA: L

**Amy C Scheffler MD:** Allergan: C; Aura Biosciences: S; Castle Biosciences: S; GENENTECH: C,S; Regeneron Pharmaceuticals, Inc.: S

**Adam J Scheiner MD:** Sciton: C,L

**Jade S Schiffman MD:** Sanofi: L



**Etienne Schonbach MD:** Foundation Fighting Blindness Clinical Research Institute: S; German National Academy of Sciences Leopoldina, grant number LPDS 2014-15: S

**Jeffrey S Schultz MD:** Novartis, Alcon Pharmaceuticals: C

**Tim Schultz MD:** None;

**Robert L Schultze MD:** Bausch + Lomb: L; Kala: L; Sun Pharmaceuticals: L

**Joel S Schuman MD:** Aerie Pharmaceuticals, Inc.: C; BrightFocus Foundation: S; Carl Zeiss Meditec: P; Department of Defense: S; National Eye Institute: S; Ocugenix: O,P; Ocular Therapeutix, Inc.: C,S; Opticent: C,O; SLACK Incorporated: C

**Gary S Schwartz MD:** None;

**Terry L Schwartz MD:** None;

**Daniel H Scorsetti MD:** None;

**Lay Leng Seah MBBS:** None;

**Barry S Seibel MD:** Bausch + Lomb: C,P; Carl Zeiss Inc: C; Johnson & Johnson Vision: C; Katena Products, Inc: P; SLACK Incorporated: P

**Leonard K Seibold MD:** Allergan: C; New World Medical Inc: C; Sensimed: C

**Stuart R Seiff MD:** None;

**Gerami D Seitzman MD:** dompe: C

**Ruti Sella, MD:** None;

**Hatice N Sen MD:** None;

**Mrittika Sen, MD:** None;

**Anastasios Sepetis, MD:** None;

**Donald N Serafino MD:** Alcon Laboratories, Inc.: C

**Janet B Serle MD:** Aerie Pharmaceuticals, Inc.: O,L,C; Allergan, Inc.: C,S; Bausch + Lomb: C,L; Ocular Therapeutix: S

**Juan Carlos Serna, MD:** None;

**Pete Setabutr MD:** None;

**Anin Sethi, MBBS, MD:** None;

**Orkun Mehmet Sevik, MD:** None;

**Ankit A Shah, MD:** None;

**Ankooor S Shah MD, PhD:** Medtronic: O; Pfizer, Inc.: O; Rebiscaan, LLC: P

**Avni A Shah, MD:** None;

**Manjool M Shah, MD:** Allergan: C; Glaukos Corporation: C; Katena Products, Inc: C

**Paras R Shah MD:** None;

**Rupa D Shah MD:** None;

**Veeral Shah MD:** None;

**Vinay A Shah MD:** Cloud Nine Development, LLC: O

**Vipul C Shah MD:** None;

**Abtin Shahlaee, MD:** None;

**Farin R Shaikh, MD:** None;

**Mehdi Shajari MD:** None;

**Neda Shamie MD:** Alcon Laboratories, Inc.: C; Allergan: C; Bausch + Lomb: C; Bio-Tissue, Inc.: C; KeraLink International: C; Mallinckrodt: C

**Yan Shao:** None;

**Shakeel R Shareef MD:** None;

**Eamon Sharkawi FRCOPHTH MD:** None;

**Namrata Sharma MD MBBS:** None;

**Savitri Sharma MD:** None;

**Sumit Sharma, MD:** Alimera Sciences, Inc.: C; Allergan: C,S; Bausch + Lomb: C; Clearside: C; Eyepoint: C,S; Genentech/Roche: C,S; Gilead Sciences: S; Ionis: S; Regeneron Pharmaceuticals, Inc.: C,S; Santen, Inc.: S

**Victoria M Sheffield:** Alcon Laboratories, Inc.: S

**Claire A Sheldon MD PhD:** None;

**Joanne F Shen MD:** None;

**John D Shepherd MD:** None;



**John D Sheppard MD:** 1-800-Doctors: C,O; AbbVie: C; Alcon Laboratories, Inc.: C,L; Aldeyra: C; Allergan: C,L; Alphasen: O; ArcScan: C; Avedro, Inc.: C,L; Bausch+Lomb: C,L; Bio-Tissue, Inc.: C; BioLayer: O; Bruder Healthcare Company: C; Clearside: C; Clearview: C; Clementia Pharma: C; Eleven/Lexitas: C,L; EyeGate Pharmaceuticals Inc.: C,L; EyeRx Research: O; Hovione: C,L; Imprimis Pharma: C; Inspire Pharmaceuticals, Inc.: C,L; Isis Pharmaceuticals: C; Johnson & Johnson: C,L; KALA Pharmaceuticals: C; Lacrisciences: C,O; LayerBio: C,O; Lenstatin: C; Lumenis, Inc.: L; Lux Biosciences: C; Mati Therapeutics: C; Mededicus: L; NiCox: C,L; NovaBay: C; Novaliq: C; Novartis Pharmaceuticals Corporation: C,L; Noveome: C,L; OccuHub: O; OcuCure Inc: C,O; Ocular Therapeutix: C; Omeros: C,L; Parion: C,L; Pentavision: L; Pfizer, Inc.: L; Portage: C; Rapid Pathogen Screening: C,O; Santen, Inc.: C,L; ScienceBased Health: C,L; Shire: C,O; Sjo: L; Sternion: C,L,O; Strathspey Crowne: O; Sun Pharma: C; Synedgen: C; Talia Technology: C,L; TearLab: C,L; Topcon Medical Systems Inc.: L; Topivert: C

**Veeral Sheth MD:** Alimera Sciences, Inc.: L; GENENTECH: L; Novartis Pharma AG: L

**Rohit Shetty, MBBS:** Alcon Laboratories, Inc.: S; Allergen: S; J&J: S; Zeiss: S

**Arsham Sheybani, MD:** Allergan, Inc.: C; Glaukos Corporation: C; Ivantis: C; Katena Products, Inc: C

**Carol L Shields MD:** Aura Biosciences, Inc.: C; Immunocore, Inc: C

**Jerry A Shields MD:** None;

**M Bruce Shields MD:** None;

**Carolyn Y Shih, MD:** None;

**Kendrick C Shih, MBBS:** None;

**Shigeto Shimmura MD:** Novartis, Alcon Pharmaceuticals: L; Rohto Pharmaceutical, Co.: S; Santen, Inc.: L; Senju Pharmaceutical Co.,Ltd.: L; Sumitomo Dainippon Pharma: S

**Roman Shinder MD:** None;

**Kenneth S Shindler MD PhD:** FM Kirby Foundation: S; National Eye Institute: S; Noveome Biotherapeutics, Inc.: C,S; RPB: S; UpToDate: P

**Takuhei Shoji MD:** Alcon Laboratories, Inc: S; Novartis, Alcon Pharmaceuticals: L; Santen, Inc.: L; Senju Pharmaceutical Co.,Ltd.: L

**Neal H Shorstein MD:** None;

**Talia Shoshany, BA:** None;

**Joseph P Shovlin MD:** None;

**Erin M Shriver MD:** None;

**Roni M Shtein MD:** None;

**Caleb Shumway, MD:** None;

**Yusrah Shweikh Shweikh MBChB:** None;

**R Michael Siatkowski MD:** None;

**Paul A Sidoti MD:** None;

**Carla J Siegfried MD:** None;

**Paul A Sieving MD PhD:** None;

**Shameema Sikder MD:** None;

**David I Silbert MD:** Gobiquity: O,S; Kaneka: C; Plusoptix, Inc.: C

**Rona Z Silkiss MD FACS:** None;

**Rufino Silva, MD, MSC:** Alimera Sciences, Inc.: C; Allergan, Inc.: C; Bayer Healthcare Pharmaceuticals: C; Novartis Pharma AG: C; THEA: C

**Evan Silverstein, MD:** Hill Rom: C; See Vision, LLC: O

**Alexander James Silvester, MBChB:** None;

**Michael A Singer MD:** aerpio: C,S; Aestelis: S; Alimera Sciences, Inc.: S; Allergan: C,L,S; ampio: C,L,S; clearside: C,S; GENENTECH: C,L,S; guidepoint: C; kodiak: C; Mallinckrodt Pharmaceuticals: L; Novartis Pharma AG: C,S; Optos, Inc.: S; psivida: C; Regeneron Pharmaceuticals, Inc.: L,S; Santen, Inc.: C; Spark Therapeutics, Inc.: C

**Lawrence J Singerman MD:** Aerpio: S; Alcon Laboratories, Inc.: S; Alkeus: S; Allergan, Inc.: S; Apellis: S; Chengdu: S; DigiSight: S; GENENTECH: S; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: S; Ophthotech: S; PanOptica: S; Roche: S; Samsung: S

**Arun D Singh MD:** Aura Biosciences: C,O; Eckert and Zeigler: L; Immunocore: C; Isoaid LLC: C

**Inder Paul Singh, MD:** Alcon Laboratories, Inc.: L; Allergan: L; Bausch Lomb: C,L; ellex: C,L; Glaukos Corporation: C; Katena Products, Inc: C; omeros: L; shire: C

**Jasleen K Singh, MD:** None;

**Kuldev Singh MD MPH:** aerie: C; Aerpio: C; Alcon Laboratories, Inc.: C; Allergan: C; Belkin Laser Ltd: C; Glaukos Corporation: C; Graybug: C; InjectSense: C; Ivantis: C; Johnson & Johnson: C; Mynosys: C; National Eye Institute: S; Novartis Institute for Biomedical Research: C; Ocular Therapeutix, Inc.: C; Santen, Inc.: C; Shire: C; Thieme Medical Publishers: C; U.S. Food and Drug Administration: C,S

**Ramandeep Singh, MBBS:** None;





**Rajesh Sinha, MD, FRCS:** None;

**Dimitrios N Sismanis MD:** None;

**Vasilis Skouteris, MD:** None;

**Stephen G Slade MD FACS:** allotex: C,O; ReVision Optics: O; RxSight: O

**Allan R Slomovic, MD, FRCSC, MSc:** Abbott: C,O ; Alcon Laboratories, Inc: C; Allergan: C; Bausch Lomb: C; Johnson & Johnson: O; Labtician/Thea: C; Santen, Inc.: C; Shire: C

**Charles B Slonim, MD:** None;

**Ilya M Sluch, MD:** None;

**Bradley T. Smith, MD:** None;

**Justine R Smith MD:** Flinders Foundation (Australia): S; NHMRC (Australia): S; ORIA (Australia): S

**Lois E H Smith MD PhD:** None;

**Loreley Smith, MD:** None;

**Oluwatosin U Smith MD:** Aerie Pharmaceuticals, Inc.: L,C; Allergan Medical Affairs: C; Allergan: C,L; Bausch + Lomb: L; Glaukos Corporation: C; Gore: C

**R Theodore Smith MD:** Astellas: C

**Wendy M Smith MD:** None;

**Michael E Snyder MD:** Alcon Laboratories, Inc.: S; Bausch + Lomb: S; Epsilon EyeCare, USA: L; Glaukos Corporation: S; Haag-Streit USA: C; HumanOptics: C,P; Johnson & Johnson Vision: S; VEO Ophthalmics: O; W. L. Gore: C

**Rachel K Sobel MD:** None;

**Masoud Soheilian MD:** None;

**Elliott H Sohn MD:** DORC International: C; Oxford BioMedica UK Ltd.: S; Sanofi Fovea: S

**Jason A Sokol MD:** None;

**Shaimaa Soliman, MD, PHD:** None;

**Alfred M Solish MD:** None;

**Sharon D Solomon MD:** None;

**Carmen Somavillabueno, MD:** None;

**Alice Song MD:** None;

**Helen Song, BS:** None;

**Min Kyung Song, MD:** None;

**Malhar Soni, MD MS DNB FRCS:** None;

**Sriram Sonty MD FACS:** Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: S

**Priyanka Sood MD:** Allergan: C; Eyepoint: C; Kala Pharmaceuticals: C; Shire: C,L

**Jeffrey R SooHoo, MD:** None;

**Sarkis H Soukiasian MD:** None;

**Richard F Spaide MD:** Bayer Healthcare Pharmaceuticals: C; DORC International, bv/Dutch Ophthalmic, USA: P; Topcon Medical Systems Inc: C,P

**Samuel C Spalding MD:** Aerpio: S; Alcon Laboratories, Inc.: S; Allergan: S; GENENTECH: S; Hoffman La Roche, Ltd.: S; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: S; OHR: S; Ophthotec: S; Regeneron Pharmaceuticals, Inc.: S

**Margaret Sophia Spencer, MD:** None;

**Martin H Spencer MD FRCSC:** None;

**Jayanth S Sridhar, MD:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan, Inc.: C

**Divya Srikumaran MD:** Alcon Laboratories, Inc.: C; National Eye Institute: S

**Bhaskar Srinivasan MBBS:** None;

**Sathish Srinivasan, MBBS:** AcuFocus, Inc.: C; Bausch Lomb: C; Medicontur: C; Scope Ophthalmics: C

**Sunil K Srivastava MD:** Allergan: C,S; Bausch + Lomb: C,S; Carl Zeiss Inc: C; clearsight: C; Gilead Sciences: C; Optos, Inc.: C; psivida: C; Regeneron Pharmaceuticals, Inc.: C; Santen, Inc.: C,S

**Andrew W Stacey, MD:** Immunocore: C

**Brian C Stagg, MD:** None;

**Erin D Stahl MD:** Avedro, Inc.: C; Treehouse Health: C,O

**Jason E Stahl MD:** None;

**Ingeborg Stalmans, MD:** Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C; Allergan: C; Bayer Healthcare Pharmaceuticals: S; Laboratoires Thea: C; Santen, Inc.: C



**Paulo E Stanga MD:** Allergan: C,L; Bausch Lomb: C,L,S; Bayer Healthcare Pharmaceuticals: C,L; Carl Zeiss Inc: C,L,S; Ellex: C,S; NightstaRx Ltd.: C,S; Novartis Pharmaceuticals Corporation: C; Optos, Inc.: C,L,S; Second Sight Medical Products, Inc.: C,L,S; ThromboGenics Ltd: C,L; Topcon Medical Systems Inc.: C,L,P,S

**Giovanni Staurengi MD:** Apellis: C; Bayer Healthcare Pharmaceuticals: C; Boheringer: C; Carl Zeiss Meditec: C,L,S; Centervue: C,L,S; GENENTECH: C; Graybug: C; Heidelberg Engineering: C,L,S; Hoffman La Roche, Ltd.: C,L,S; Nidek, Inc.: S; Novartis Pharmaceuticals Corporation: C,L,S; Ocular Instruments Inc: P; Optos, Inc.: C; Optovue, Inc.: S; Quantel Medical: C,L,S

**Eric A Steele MD:** None;

**Walter A Steigleman, MD:** None;

**Joshua D Stein, MD, MS:** None;

**Rebecca L Stein, MBCHB:** None;

**Kenneth David Steinsapir MD:** Kenneth D. Steinsapir, MD, Inc.: P

**P Dee G Stephenson MD FACS:** Alcon Laboratories, Inc.: C,L; Bausch Lomb: C,L,S; I-Optics: C,L; LENSAR: L; Shire: L; Sun Ophthalmics: L; Zeiss: L

**Kimberly E Stepien MD:** Foundation Fighting Blindness: S; nightstar: C,S; spark: C

**Paul Sternberg Jr., MD:** Diabetic Retinopathy Clinical Research Network: C; International Retinal Research Foundation: C,S; Nektar Therapeutics: C

**Jay M Stewart MD:** Carl Zeiss Inc: C; Eyepoint: C; GENENTECH: C; Roche: P; Valitor: C

**Donald Stone MD:** None;

**J.Timothy Stout, MD, PHD, MBA:** AGTC: C; Clayton Foundation for Research: S; Daiichi Sankyo: C; GenSight: C; Janssen Cell Therapy: C; National Eye Institute: S; NightStar Therapeutics: C; Oxford BioMedica/Sanofi: C; Reneuron, Ltd: C; SPARK Therapeutics: C; Wave Life Sciences: C

**Michael D Straiko MD:** Gore: C

**Diego Strianese, PHD:** None;

**Mitchell B Strominger MD:** None;

**Yi Ning Strube MS, MD, FRCSC:** Oxford University Press, Springer Publishing: P; Santen, Inc.: C

**Charles S Su MD:** None;

**Prem S Subramanian MD PhD:** GenSight Biologics: C,S; Horizon Pharmaceuticals: C; Quark Pharmaceuticals: S; Santhera Pharmaceuticals: S

**Jeanine Suchecki MD:** None;

**Suria Sudhakaran, MD:** Santen, Inc.: S

**Eric B Suhler, MD, MPH:** AbbVie: C,L,S; Aldeyra: S; Clearside: S; EyeGate Pharmaceuticals Inc.: S; EyePoint (pSivida): C,S; Gilead Sciences: C,S; Santen, Inc.: C

**Michael E Sulewski MD:** None;

**Timothy J Sullivan MBBS:** None;

**Grace Sun, MD:** None;

**Jennifer K Sun MD:** Adaptive Sensory Technology: S; Boehringer Ingelheim: S; Boston Micromachines: S; JAMA Ophthalmology: E; Kalvista: S; Merck & Co., Inc.: C; Novartis Pharmaceuticals Corporation: C; Novo Nordisk: S,C; Optovue: S; Roche: C,S

**Gangadhara J K Sundar, MBBS:** None;

**Aneesh Suneja:** FlowOne Lean Consulting, LLC: C

**Swarup Swaminathan, MD:** None;

**Ramya N Swamy, MD:** None;

**Russell J Swan, MD:** Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Avedro, Inc.: L; Equinox: C,O; Glaukos Corporation: C

**Zeba A Syed, MD:** None;

## T

**Geoffrey C Tabin MD:** None;

**Audrey Xi Tai, MD:** None;

**Hiroyuki Takahashi, MD:** None;

**Yusuke Takeda MD:** None;

**Julia C Talajic, MD:** None;

**Audrey R Talley Rostov, MD:** Alcon Laboratories, Inc.: C; Allergan: C,L; Avedro, Inc.: C; Bausch + Lomb: C; CorneaGen: L; Shire: C,L; Sightlife: C,S; SUN: C

**Gustavo E Tamayo MD:** Avedro Corp.: C; Johnson and Johnson Vision: C,S; KeraMed, Inc.: C



**Lynn B Tamborini:** None;

**Madhura A Tamhankar MD:** Horizon: C

**Colin S Tan MBBS:** Bayer Healthcare Pharmaceuticals: L; Heidelberg Engineering: L; Novartis Pharma AG: L

**Donald Tan MD FRCS FRCOphth:** Eye Lens: C; Network Medical: P; Santen Inc: S; Santen, Inc.: C,L

**Gavin S Tan, MBBS:** Alcon Laboratories, Inc.: L; Allergan, Inc.: L,C; Bayer Healthcare Pharmaceuticals: L; Carl Zeiss Meditec: C,L; Eyris: O; Novartis Pharma AG: L; Santen, Inc.: S

**George H Tanaka MD:** Aerie Pharmaceuticals, Inc.: L; Allergan: C,L; Bausch + Lomb: L; Ellex: C; New World Medical, Inc.: C; Sight Sciences, Inc.: L

**Radhika Tandon, MD:** None;

**Rosa A Tang MD MPH MBA:** EMD Serono: L; Horizon: C,S; Immunovant: S; NASA: S; Quark: S,C; Regenera: S; Sanofi: L; Zeiss : L

**Troy M Tanji MD:** None;

**Angelo P Tanna MD:** Bausch+Lomb: C; Carl Zeiss Meditec: C; Google: C,S; Illinois Society for the Prevention of Blindness: S; Ivantis, Inc.: C; Sandoz: C; Watson Laboratories, Inc.: C

**Anjali Tannan, MD:** None;

**Jeremiah P Tao MD:** Horizon Therapeutics: C

**Michael J Taravella MD:** Abbot Medical Optics: C; Coronet Surgical: C

**Marie Jose Tassignon, MD:** Carl Zeiss Inc: C; Morcher GmbH: P; Physiol: C; Zimmer: C

**Andrew J Tatham MBChB:** Allergan: C,L; Heidelberg Engineering: L; Novartis, Alcon Pharmaceuticals: L; Santen, Inc.: L; Thea: S

**Joseph Tauber MD:** Alcon Laboratories, Inc.: S; Aldeyra: C,S; Novaliq: C; Novartis, Alcon Pharmaceuticals: C; Santen, Inc.: C,S; Shire LLC: C,L,S; Sun Pharmaceuticals: C; Tear Solutions: S

**James D N Taylor MD:** None;

**Patricia Anne Santos Tecson, MBA, MD:** None;

**Joshua C Teichman, MD, MPH:** Alcon Laboratories, Inc.: C; Allergan: C; Bausch + Lomb: S; Labtician Ophthalmics, Inc.: C; Santen, Inc.: C; Shire: C

**Celso Tello MD:** None;

**Christopher C Teng MD:** None;

**Mark A Terry MD:** Bausch & Lomb Surgical: P,S; Envisia: C; Gore: C; MORIA: S

**Manoj M Thakker MD:** None;

**Clement C Y Tham, FRCS, MBBS, FCOPHTHHK:** Abbott Medical Optics Inc.: S; Aeon Astron Corporation: S; Alcon Laboratories, Inc.: C,L,S; Allergan, Inc.: C; Bausch Lomb: C; C-MER EYE CARE HOLDINGS LIMITED: C; Icare Finland: S; IOptima Ltd: C; Merck & Co., Inc.: C,L; Pfizer, Inc.: C,L,S; Santen Pharmaceutical Co., Ltd.: C,L,S; Sensimed: C,S

**Jayabaskar Thiyagarajan MBBS MS:** Singapore National eye Centre: E

**Andrew T Thliveris MD PhD:** None;

**Benjamin J Thomas, MD:** Allergan: L

**John T Thompson MD:** GENENTECH: S,C; Opthea: S

**Lisa S Thompson MD:** None;

**Jennifer E Thorne MD PhD:** AbbVie: C; Allergan: S; Clearside: C; Gilead Sciences: C; National Eye Institute: S; Santen: C

**Peter J Timoney MBBCh:** None;

**Daniel Shu Wei Ting, MD, PHD:** EyRIS, Singapore: P

**Jeewan S Titiyal MD:** None;

**Marc Toeteberg-Harms, MD:** ELT Sight: C; Glaukos Corporation: L; Heidelberg Engineering: L; IRIDEX: C,L; MLase AG: C; Novartis, Alcon Pharmaceuticals: L; Santen, Inc.: L

**Ankit S Tomar, FICO, MBBS, MD:** None;

**Rahul S Tonk, MD:** None;

**Andrea A Tooley, MD:** None;

**Gail L Torkildsen MD:** Alderya Therapeutics, Inc.: S; Axerovision: S; Kowa Research Institute, Inc: S; Mitotech, SA: S; Nicox: C; Oyster Point Pharma Inc.: S; ReGenTree, LLC: S; Topivert Pharma Ltd: S

**Karen Torrejon Ph.D.:** Glauconix Biosciences: O

**Cynthia A Toth MD:** Alcon Laboratories, Inc.: P; EMMES: C; Hemosonics, LLC: P; National Eye Institute: S

**James R Townley MD:** None;

**Justin H Townsend, MD:** Bausch + Lomb: C

**Elaine Tran, BA:** None;



**Khoa Tran PHD:** Lions visiongift: E,P

**William B Trattler MD:** Abbott Medical Optics: C,L; Alcon Laboratories, Inc.: C; Allergan, Inc.: C,L,S; Alphaeon: O; ArcScan: O; Avedro: C,L,O; Bausch & Lomb: C,L; CXLO: C,O; CXLUSA: C; EyeVance: C; Guardian Health: C,O; Health: O; Iantech: C,O; Kala: C,L; LensAR: C; Oculus, Inc.: L; Shire: C,L; sun: C,L; True Vision: C,O; Vmax Vision: C

**Michael T Trese MD:** Digisight: C,O; Interview medical systems: O,P; Phoenix Clinical Technologies: C,O; Regeneron Pharmaceuticals, Inc.: C; Retinal Solutions: O,P

**Tanya Trinh MBBS:** None;

**Rupal H Trivedi, MBBS, MS:** None;

**Karmen M Trzupsek MS:** AGTC: C; Foundation Fighting Blindness: C; Gemini Therapeutics: C; InformedDNA: E; Spark Therapeutics: C

**Julie H Tsai MD:** None;

**Linda M Tsai MD:** None;

**David T Tse MD FACS:** None;

**Angelo Tsirbas MBBS:** None;

**Edmund Tsui, MD:** None;

**Irena Tsui MD:** Alimera Sciences, Inc.: C

**Janet Y Tsui MD:** None;

**Elmer Y Tu MD:** Eversight: E,S; Eye Bank Association of America: S; Kedrion: C; Okogen: C

**Sonal S Tuli MD:** None;

**Angela V Turalba MD:** Beaver-Visitec International, Inc.: C

**Roger E Turbin MD:** Biogen: O; Merck & Co., Inc.: O; Mount Sinai/NEI/SIHTT Trial: C; TITFX: O

## U

**Morio Ueno, MD:** None;

**Randall Ulate MD:** None;

**Gunay Uludag, MD:** None;

**Jayanand Sudhakar Urkude, MD:** None;

**Roxana Ursea MD:** PRN: C

**Harvey S Uy MD:** Alcon Laboratories, Inc.: L; Allergan: C,L,S; Bayer Healthcare Pharmaceuticals: L; Beaver-Visitec International, Inc.: C,S; Infinite Vision Optics: S; LensAR: L,S; Novartis Pharmaceuticals Corporation: C,L; Santen, Inc.: S

## V

**Daniel Vail, BA:** Acumen: E

**Rasik B Vajpayee MD:** None;

**Lejla Vajzovic, MD:** Aerie Pharmaceuticals, Inc.: L; Alcon Laboratories, Inc.: C,S; Alimera Sciences, Inc.: C; Allergan, Inc.: C; Bausch + Lomb: C; Heidelberg Engineering: S; Orbit Biomedical Inc.: C,S; Second Sight Medical Products, Inc.: S

**Russell N Van Gelder MD PhD:** National Eye Institute: S; Research to Prevent Blindness: S

**Suzanne W Van Landingham, MD:** immunovant: C

**Woodford S Van Meter MD FACS:** None;

**Gregory P Van Stavern MD:** None;

**Sarah Van Tassel, MD:** New World Medical Inc: L

**Deborah K VanderVeen MD:** Retrophin: S

**Robin R Vann MD:** Alcon Laboratories, Inc.: C,L,S

**Elizabeth Vanner:** Balkan International Pediatric Glaucoma Center: S; Charlotte Breyer Rodgers: S; Childhood Glaucoma Research Network: S; National Eye Institute: S; Research to Prevent Blindness: S

**Michael S Vaphiades DO:** None;

**Jose M Vargas MD:** None;

**Devesh K Varma MD:** Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C,L; Glaukos Corporation: C; Johnson & Johnson Vision: L,C; Latician Ophthalmics Inc: C,L; New World Medical Inc: S; New World Medical, Inc.: C; Novartis, Alcon Pharmaceuticals: C,L,S; Santen, Inc.: C; Shire: C

**Varshitha Hemanth Vasanthapuram:** None;



**Abhay Raghukant Vasavada MBBS FRCS:** Alcon Laboratories, Inc.: S  
**Daniel V Vasconcelos-Santos MD PhD:** Abbvie: L  
**Paula Vaughan OCS:** None;  
**Rajesh Vedachalam MBBS:** None;  
**Peter B Veldman MD:** W.L. Gore: C  
**Federico G Velez MD:** None;  
**G Atma Vemulakonda, MD:** Visgenx: O  
**Swapna Vemuri MD:** None;  
**Arthi Ganesh Venkat, MD:** None;  
**Rengaraj Venkatesh, MBBS:** None;  
**Nandini Venkateswaran, MD:** None;  
**David D Verdier MD:** None;  
**Lalit Verma, MD:** None;  
**Sue J Vicchilli, COT, OCS, OCSR:** None;  
**Pornpattana Vichitvejpaisal, MD:** None;  
**Ana Carolina Victoria MD:** Candela Medical: C  
**Vanee V Virasch MD:** None;  
**Steven D. Vold MD:** Aerie Pharmaceuticals : C; Alcon Laboratories, Inc : C,S; Allergan : L,S; Alphaeon: O; Bausch+Lomb : S; Carl Zeiss Meditec : C,S; Glaukos Corporation : C,S; IRIDEX: C; ISTAR Medical : C; Ivantis : C,S; Lumenis, Inc : C; O3 Optix: O; Ocular Therapeutix : C; RxSight: S; Santen, Inc.: C; Sight Sciences, Inc.: C,S; Sun Ophthalmics: S; TrueVision Systems : O; Volk Optical : P  
**Nicholas J Volpe MD:** Ophotech: C; Opticent Inc.: O; Quark Pharmaceuticals: S  
**Robin A Vora MD:** None;  
**David T Vroman MD:** Abbott: S; Avedro, Inc.: S; Glaukos Corporation: S; Novartis, Alcon Pharmaceuticals: S; Ocular Therapeutics: S  
**James Thin Vu, BS:** None;  
**John Allan Vukich MD:** Acufocus, Inc.: C; Carl Zeiss Inc: C; Johnson & Johnson: C; STAAR Surgical: C

## W

**Maureen Waddle, MBA:** BSM Consulting: C  
**Robert A Wade JD:** None;  
**Nadia Khalida Waheed MD:** Bayer Healthcare Pharmaceuticals: S; Carl Zeiss Meditec: S,C; GENENTECH: C; Heidelberg Engineering: C; Johnson & Johnson: C,S; Nidek, Inc.: S; OcuDyne: O; Optovue: C,L; Regeneron Pharmaceuticals, Inc.: C,S; Topcon Medical Systems Inc.: C  
**William H Waldrop, MD:** None;  
**Laura Walker, PHD:** Apple, Inc: E  
**Jeffrey J Walline, PHD, OD:** Bausch + Lomb: S  
**Mark K Walsh MD:** None;  
**Kelly Walton Muir MD:** None;  
**Jessie Wang, BA:** None;  
**Min Wang MD:** None;  
**Ningli Wang, MD:** None;  
**Sophia Ying Wang, MD:** None;  
**Surina Wang, MD:** None;  
**Yao Wang, MD:** None;  
**George O Waring IV MD:** ACE Vision: C; Acufocus, Inc.: C,L; Alcon Laboratories, Inc.: C,L; Allergan: C,L; Avedro: C,L; Bausch Lomb: C,L; GlassesOff: C; Glaukos Corporation: C,L; Ivantis: C; Johnson & Johnson Vision: C,L; Oculus, Inc.: C,L; Omega Ophthalmics: C; Omeros: C; Perfect Lens, LLC: C; Refocus Group, Inc.: C; Riechert: C; SRD Vision: C; Strathpey Crown: O; Visiometrics: C,O  
**Keith A Warren MD:** None;  
**Evan L Waxman MD PhD:** None;  
**Laura L Wayman MD:** None;  
**Libby Wei, BS:** None;



**Mitchell P Weikert MD:** Alcon Laboratories, Inc.: C

**Natalie C Weil, MD:** None;

**Yishay Weill, MD:** None;

**Robert J Weinstock MD:** Alcon Laboratories, Inc.: C,L; Bausch+Lomb: C,L; EyePoint Pharmaceuticals: C; EyeVance Pharmaceuticals: C; Health-e: O; Johnson & Johnson Vision: C,L; Kala Pharmaceuticals: C; lensar: C,L; Ocular Therapeutix: C; Omeros: C,L; Pogotec: O; Presbyopia Therapies LLC: O; Rapid Pathogen Screening: O; RxSight: O,C; Sun Ophthalmics: C,L; TissueTech, Inc.: O; TrueVision: O; UBeam: O

**Ezekiel Weis MD:** None;

**Robert W Weisenthal MD:** None;

**Brian A Welcome MD:** BlueCross/BlueShield of South Carolina: C

**Sarah Wellik MD:** None;

**Jill R Wells MD:** Castle Biosciences: C

**John A Wells III MD:** Adverum: S; GENENTECH: C,S; Iconic Pharmaceuticals: C; Jaeb Center for Health Research: C,S; National Eye Institute: S; Ohr Pharmaceuticals: S; Opthea: S; Optos, Inc.: S; Regeneron: S; ThromboGenics: S

**Christina Y Weng, MD, MBA:** Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan: C

**Frank Werblin PHD:** Visionzellc: O

**Liliana Werner MD PhD:** Alcon Laboratories, Inc.: C,S; Bausch + Lomb: S; Carl Zeiss Meditec: S; ClearSight: S; Hoya: S; LensGen: S; Merck & Co., Inc.: S; Noveome: S; Perfectlens: S; Physiol: S; Powervision: C; Qura: S; Refocus Group, Inc.: S; Shifamed/Atia: S

**Sara T Wester MD:** Horizon Therapeutics: C

**Sarah Whitecross, OCS:** None;

**Jess Thomas Whitson MD FACS:** None;

**Robert E Wiggins, MD, MHA:** OMIC-Ophthalmic Mutual Insurance Company: C

**William F Wiley MD:** Alcon Laboratories, Inc.: C,L; Allergan: C; ArcScan, Inc.: C; CorneaGen: C; Equinox: C,O; Glaukos Corporation: C; IMPRIMIS: C,P; Ivantis: C; Johnson & Johnson Vision: C; New World Medical Inc: C; Omega Lens: C,O; Revision Optics: C,L; Zeiss: C

**Byron N Wilkes, MD:** None;

**George A Williams, MD:** None;

**Ruth D Williams, MD:** Aerie Pharma: L; Aerie Pharmaceuticals, Inc.: C; Allergan: C

**Zoe R Williams MD:** None;

**Jeffrey R Willis, MD:** GENENTECH: E

**M Edward Wilson Jr MD:** EyePoint Corporation: C; Retrophin: S; Wolters Kluwer Health: P

**Kimberly M Winges, MD:** Horizon Therapeutics: C

**David L Wirta MD:** Aerie Pharmaceuticals, Inc.: S; Alcon Laboratories, Inc.: S; Allergan, Inc.: C,S; Annexon: S; Eyenovia: C; Kala: S; Nicox: S; Novartis Pharma AG: S; Ora: S; Orasis: S; Santen, Inc.: S; SunPharma: S; TearCare: S

**Emily M Witsberger, MD:** None;

**Sebastian Wolf MD PhD:** Allergan: S; Bayer Healthcare Pharmaceuticals: C,S; Carl Zeiss Meditec: C,S; Chengdu Kanghong Biotechnology: C; Heidelberg Engineering: C,S; Novartis Pharmaceuticals Corporation: C,S; RetinAI: C; Roche: C,S

**Natalie Wolkow, MD:** None;

**Meraf A Wolle, MD:** None;

**Hunjae Won, MD:** None;

**Keye L Wong, MD:** None;

**Randall V Wong MD:** Medical Marketing Enterprises, LLC: O; Sunrise Hosting Services, LLC: O

**S Chien Wong, MBBS, FRCS:** DORC International, bv/Dutch Ophthalmic, USA: C; Endo Optiks, Inc.: C

**Kyung In Woo MD:** None;

**Joy Woodke, COE, OCS, OCSR:** None;

**Julie A Woodward MD:** Allergan: C; Galderma: C; Merz: C,L; Prolenium: C; Skin Ceuticals: C; Stroma: O

**Fasika A Woreta MD:** None;

**Kenneth W Wright MD:** Titan Surgical: S

**Fran L Wu, MD:** None;

**Helen K Wu MD:** Johnson & Johnson: C; Lumenis Vision: L; Shire: C; Sun Ophthalmics: C

**Lihteh Wu, MD:** Bayer Health: C,L; Quantel Medical: C,L

**Wei-Chi Wu MD:** None;





**Charles C Wykoff, MD, PhD:** Adverum Biotechnologies: C,S; Aerpio: C,S; Alimera Sciences, Inc.: C; Allegro Ophthalmics: C; Allergan: C,S; Apellis Pharmaceuticals: C,S; Bayer Healthcare Pharmaceuticals: C; Chengdu Kanghong: C,S; Clearside Biomedical, Inc: C,S; Dutch Ophthalmic Research Center International: C; EyePoint Pharmaceuticals (formerly pSivida): C; Fosun: C; GENENTECH: C,S; Iveric Bio (formerly Ophthotech): C,S; Kodiak Sciences: C,S; NEI: S; Neurotech: S; Novartis Pharmaceuticals Corporation: C,S; ONL Therapeutic: C; Opthea: S; Outlook Therapeutics: S; PolyPhotonix: C; RecensMedical: C,S; Regeneron Pharmaceuticals, Inc.: C,L,S; Regenxbio: C,S; Roche: C,S; Samsung: S; Santen, Inc.: C,S; Takeda: C

## X

**Zhiyan Xu, BA:** CAMS Initiative for Innovative Medicine: S; National Natural Science Foundation of China: S

## Y

**Tetsuya Yamamoto MD:** Abbott Medical Optics Inc.: L; Alcon Laboratories, Inc.: C,L,S; Alcon Pharma: C,L; Astellas: C; CREWT Medical Systems: L; Glaukos Corporation: C; Inotek: C; Johnson & Johnson: L; Kowa: C,L; Novartis Pharmaceuticals Corporation: L; Otsuka: C,L,S; Pfizer, Inc.: C,L,S; pH Pharma Co.: C; R-Tech Ueno: L; Rohto Pharmaceutical Co.: C; Santen, Inc.: L,S; Seed: C; Senju: C,L,S

**Shin Yamane, MD:** None;

**Min Kyu Yang, MD:** None;

**Paul Yang MD PHD:** None;

**Tammy L Yanovitch MD:** None;

**Yuou Yao, MD:** None;

**Steven Yeh MD:** Clearside: C; Santen, Inc.: C

**Michael T Yen MD:** None;

**Elizabeth Yeu MD:** Alcon Laboratories, Inc.: C,L; Allergan: C,L; ArcScan: C; Bausch + Lomb: C; Bausch Lomb: C; Bio-Tissue, Inc.: C,L; Carl Zeiss Meditec: C,L; Glaukos Corporation: C,L; Innovation Labs: O; iOptics: C,S; Johnson & Johnson Vision: C,L; Kala: C,S; Katena Products, Inc: C; Modernizing Medicine: O; Novartis, Alcon Pharmaceuticals: C; Ocular Science: C,O; OcuSoft: C; Omeros: L; ScienceBased Health: C; Shire: C,L; Sight Sciences: C; Sun Ophthalmics: L; TearLab: C; TearScience: C; TissueTech, Inc.: C,L; Topcon Medical Systems Inc.: S

**Season T Yeung, MBBS:** None;

**Vivian T Yin MD:** None;

**Glenn C Yiu MD:** Alcon Laboratories, Inc.: S; Alimera Sciences, Inc.: C; Allergan: C; Carl Zeiss Meditec: L; GENENTECH: C; IRIDEX: L,S

**Jithin Yohannan, MD:** None;

**Sonia H Yoo MD:** Avedro, Inc.: S; Avellino Labs: S; Carl Zeiss Meditec: C; Resolve Ophthalmics: O,P; Senju Pharmaceutical Co.,Ltd.: S

**Michael K. Yoon MD:** Horizon Pharmaceuticals: C

**Siamak Yousefi:** National Eye Institute: S

**Jennifer T Yu MD PhD:** None;

**Patrick Yu-Wai-Man, FRCOphth, MBBS, PHD:** GenSight Biologics: C,S; Santhera Pharmaceuticals: S

**Amy E Yuan, MD:** None;

**Jiajia Yuan, PHD:** Association for Research in Vision and Ophthalmology (ARVO): C



## Z

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**Gerald W Zaidman MD FACS:** None;

**Abdel-Rahman Zakieh, BS:** None;

**Renzo A Zaldivar MD:** None;

**Alan H Zalta MD:** None;

**Marco A Zarbin MD PhD FACS:** Aerie Pharmaceuticals, Inc.: S; Boehringer Ingelheim Pharma: C; Calhoun Vision, Inc.: C; Cell Cure: C; Chengdu Kanghong Biotechnology: C; Coherus Biosciences: C; Daiichi Sankyo: C; EyEngineering: C; Frequency Therapeutics: O, C; GENENTECH: C; Helios, KK: C; Hoffman La Roche, Ltd.: C; IRIDEX: L, C; Isarna Therapeutics: C; Makindus: C; Novartis, Alcon Pharmaceuticals: C, L; Ophthotech Corporation: C; Percept: C, O; Rutgers University: P

**Zachary J Zavodni, MD:** None;

**Michael E Zegans MD:** MedImmune: S; National Eye Institute: S

**Wadih M Zein MD:** None;

**Fengju Zhang, MD:** None;

**Jing Zhang, MD:** None;

**Sandy X Zhang-Nunes MD:** None;

**James L Zimmerman, MD:** None;

**Martin Zinkernagel, MD:** Bayer Healthcare Pharmaceuticals: C,S; Novartis Pharma AG: C,O

**Anat Zipori MD:** None;

**Talhah Zubair, BA:** None;