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Annual Meeting Participant Disclosures

A

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

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

Richard L Abbott, MD: MacRegen: C,O; Ocumension: C,O; Ribomic: C

Ahmed M Abdelrahman, MD: None;

Mohamed F Abou Shousha, MD: Horus Ophthalmics: O; Resolve Ophthalmics: O

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

Anita Agarwal MD: None;

Ashvin Agarwal, MD: Carl Zeiss Inc: C; Elisar: O

Tushar Agarwal MD: None;

Iqbal K Ahmed MD: Acucela: C; Aequus: 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; Beyeonics: C; Camras Vision: C; Carl Zeiss Meditec: C,L,S; CorNeat Vision: C; Ellex: L; ELT Sight: C; Elutimed: C; Envisia: C; Equinox: C; ForSight Labs: C; Glaukos Corporation: C,O,S; Gore: C; Graybug Vision: C; Iantech: C; Iantrek: 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; Ocular Instruments: C; Omega Ophthalmics: C; PolyActiva: C; Sanoculis: C; Santen: C; ScienceBased Health: C; Sight Sciences: C; Stroma: C; Transcend Medical: C; TrueVision: C; ViaLase: C; Vizzario: C,S

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Esen K Akpek MD: Allergan, GORE & Associate: S; CorneaGen: C; Department of Defense: S; Dompe: C; epitech: C; FirstString Medical Research: C; National Eye Institute: S; Novalique: C; Novartis Pharma AG: C; Regeneron Healthcare Solutions Inc: C; Up-to-date: P; Upaid member of Board of Directors, Sjogren's Foundation: C

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Anthony J Aldave MD: Avellino Laboratories: C; ClearView Healthcare Partners: C; Department of Defense: S; Dompe: C; Eye Bank Association of America: S; EyeVance Pharmaceuticals: C; GlaxoSmithKline: C; Gore: C; Guidepoint: C; National Eye Institute: S; Petrichor Healthcare Capital Management: C; Tissue Aegis: C

Eduardo C Alfonso MD: Horus Ophthalmics: C; Salvat Laboratories: C

Asim Ali MD: Novartis Pharma AG: S; Santen, Inc.: C

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

Jorge L Alio MD PhD: Akkolens: C; Bloss: L; Bluegreen Medical: O; C.S.O. Srl: C; Carevision: C; Carl Zeiss Meditec: S; Dompe: S; Hanita Lenses: C; International Ophthalmology Consulting: O; Jaypee Highlights Medical Publishers, Inc.: P; KeraMed, Inc.: S,C; Magrabi Hospital: C; Mediphacos: C; Novagali: S; Oculentis: S,C; Oftalcare Nutravision: O; Omeros Corporation: C; OPHTEC: L; Presbia: C; SCHWIND Eye-tech-Solutions GmbH: S,L; SLACK: C; Springer: P; Topcon Medical Systems Inc.: C

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Guillermo Amescua MD: gore: C

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Robert Edward T Ang MD: Acevision: S; AcuFocus, Inc.: C,L,S; Bausch Lomb Surgical: L,S,C; Glaukos Corporation: S; Ivantis: S; Johnson & Johnson Vision: S; Physiol: L,S; STAAR Surgical: S

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Isabelle Audio: Fondation de France: S; Fondation Voir et Entendre: S; Foundation Fighting Blindness: S; IHU FOReSIGHT [ANR-18-IAHU-0001]: S; Inserm: S; Institut Carnot: S; Labex: S; Novartis Pharma AG: C; Retina France: S; SparingVision: C; 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; 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; Rayner Intraocular Lenses Ltd: S; Santen, Inc.: S; SIF Ltd. Italy: S; Ursapharm: L,S

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B

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Irina Belinsky, MD: Horizon Therapeutics: C
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Susanne Binder MD: None;
Gil Binenbaum MD: Luminopia: C, O; National Eye Institute: S; Natus Medical Incorporated: L; x Biomedical: O, P
Valerie Biousse MD: GenSight: C; Neurophoenix: C
Elena Bitrian, MD: None;
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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
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Michael V Boland MD PhD: Carl Zeiss Meditec: C
Kathryn E Bollinger, MD PhD: National Eye Institute: S
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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; Allgenesys: 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 Corporation: C; GLAUKOS: C; GrayBug Vision: C; Iconic Therapeutics: C; Interface Biologics, Inc.: C; Ionis: C; Iveric: C; Kala Pharmaceuticals: C; LumiThera, Inc.: C; neurotech: C; NGM Biopharma: C; Notal Vision, Inc.: C; Novartis Pharmaceuticals Corporation: C; Novartis, Alcon Pharmaceuticals: C,S; Ocugen, Inc: C; Ocular Therapeutics: C; Ocular Therapeutix: C,S; 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; THEA: C; ThromboGenics: C



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Susan B Bressler MD: Amgen: C; Bayer Healthcare Pharmaceuticals: S; Biocon: S; Biogen Inc: S; Boehringer Ingelheim: S; eye point: S; GENENTECH: S; Merck & Co., Inc.: S; Mylan: S; Notal Vision, Inc.: S; Novartis, Alcon Pharmaceuticals: S

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Mitchell Brigell PhD: Aerpio Therapeutics: C

Frank Brodie, MD: Long Bridge Medical: O,P

Larry R Brooks: Practice Flow Solutions: O

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David M Brown MD: Adverum: C; Allegro: C,S; Allergan: C,S; annexon: C; Apellis: C,S; Astellas: S; Avalanche/Adverum: S; Boehringer Ingelheim: C,S; 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; Vinci: C

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J Peter Campbell, MD, MPH: Boston AI: P; GENENTECH: S; National Eye Institute: S; Research to Prevent Blindness: S

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Solutions: O,P; Spark Therapeutics: C

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

R V Paul Chan MD: Alcon Laboratories, Inc.: C; Allergan: C; National Institutes of Health: S; National Science Foundation: S; Phoenix Technology Group: C

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David F Chang MD: Carl Zeiss Inc: C; Eyenovia: O; ForSight Vision 6: C,O; iDrops: C,O; Ivantis: C,O; JelliSee: C,O; Johnson & Johnson Vision: C; Long Bridge: C,O; Mynosys: C,O; Perfect Vision: C,O; Presbyopia Therapies: O; RX Sight: C,O; SLACK, Incorporated: P; Surface Inc: O; Versant Ventures: O; Viewpoint: C,O; Visionary Ventures II: O

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Craig J Chaya MD: None;

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Royce W Chen MD: Carl Zeiss Meditec: C

Sherleen Huang Chen MD: Alcon Laboratories, Inc.: C

Teresa C Chen MD: Department of Defense: S; Harvard Foundation Grant (Fidelity Charitable Fund: S

Xi Chen: Aerie Pharmaceuticals, Inc.: C

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; Roche Diagnostics: C; Topcon Medical Systems Inc.: S

Patricia Chevez-Barrios MD: Adopt-a-Scientist-Cure Cancer: S; NASA: S

Emily Y Chew MD: None;

Jay K Chhablani, MBBS: Allergan, Inc.: L; Novartis Pharma AG: L; OD-OS GmbH: S

Michael F Chiang, MD: GENENTECH: S; Inteleretina: O; National Eye Institute: S; National Science Foundation: S; Novartis Pharmaceuticals Corporation: C

James Chodosh MD MPH: National Eye Institute: S; Santen, Inc.: L; Shire: C; US Food and Drug Administration: C

Christina H Choe MD: None;

Kelvin Kam Lung Chong, MD: None;

Neil T Choplin MD: None;

Vikas Chopra MD: Alcon Laboratories, Inc.: C; Allergan: C,S

Netan Choudhry MD: Allergan: C,L; Bayer: C,L,S; Ellex: L; Johnson & Johnson: L; Optos: C,L; Topcon: C,L; Zeiss: C,S

David R Chow MD: Alcon Laboratories, Inc.: C; Allergan: C; Bayer Healthcare Pharmaceuticals: C,L; DORC International, bv/Dutch Ophthalmic, USA: C; DORC: L; Katalyst: C,P; Novartis, Alcon Pharmaceuticals: C,L; Optovue: L

Robert M Christiansen MD FACS: None;

Steven M Christiansen, MD: None;

Y Ralph Chu MD: Bausch+Lomb: C; Carl Zeiss Meditec: C; Keranova: C; Perfect Lens: C; PowerVision: C; Refocus Group, Inc.: C

Sophia Mihe Chung MD: None;

Young-Taek Chung MD: None;

George A Cioffi MD: None;

Jessica B Ciralsky MD: Bruder Healthcare Company: C

Carl C Claes MD: Alcon Laboratories, Inc.: C

Robert A Clark MD: National Eye Institute: S; Nevakar, LLC: C

William S Clifford, MD: Alcon Laboratories, Inc.: S; Jellisee Ophthalmics: O

Beatrice Cochener MD: Alcon Laboratories, Inc.: C,S; Horus: C; Hoya: C; Johnson & Johnson: C; Santen, Inc.: C; THEA: C; Zeiss: C

Amalia Cochran, MD: None;

Liza M Cohen, MD: None;

Kathryn A Colby MD PhD: GlaxoSmithKline: C; WL Gore and Associates: C

Anne Louise Coleman MD PhD: None;

Janine E Collinge MD: None;

Stephanie Collins Mangham, COA, MBA, OCSR: Regeneron Pharmaceuticals, Inc.: C,L

Marcus H Colyer MD: Covalent Medical: E,O; US Department of Defense: S

Christopher J Compton, MD: None;

Ian P Conner MD PhD: Ivantis: C; Ocugenix: C,O,P

Thomas B Connor Jr MD: None;

Minas T Coroneo, MBBBS, MS: Alcon Laboratories, Inc.: P; Allgenesis: C,P,S; DORC International, bv/Dutch Ophthalmic, USA: P; Insight Surgical: C,P; Katena Products, Inc: P; Novartis Pharma AG: C

Zelia M Correa MD: Castle Biosciences: C; Immunocore, LLC: C

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

Maria Jose Cosentino, MD: None;

Jennifer Cosey: Eagle Associates, Inc.: O

Fiona E Costello MD: Alexion Pharmaceuticals: C; Frequency Therapeutics: C; Roche Diagnostics: C



Steven M Couch MD: None;

Cristobal A Couto 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; iSportgames, Inc.: C; IVANTIS, Inc: C; iVeena Delivery Systems: C; Johnson & Johnson: C; Mastel Surgical: C; MST: C; New World Medical Inc: C; Omeros: C; OSN: 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

Karl G Csaky MD: AGTC: C; Allergan: C; Genentech / Roche: C; Gyroscope: C; Heidelberg Engineering: C; Iveric Bio: C; Johnson & Johnson: C; Merck & Co., Inc.: C; Novartis Pharma AG: C; Ocular Therapeutix: C; Ribomic: C; Ribomics: C

Qi N Cui, MD: Penn Center for Innovation: P

Susan M Culican MD PhD: None;

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

Emmett T Cunningham Jr MD PhD MPH: None;

Andre Luiz Curi, MD, PHD: Abbvie: L

Craig N Czyz DO: None;

D

Donald J. D'Amico MD: Alcon Laboratories, Inc.: C; Iveric bio, Inc.: C,O

Lora R Dagi Glass, MD: Thieme Medical Publishers: P

Jeffery Daigrepont: None;

Lauren A Dalvin, MD: None;

Mary K Daly MD: None;

Anthony B Daniels, MD: Acrotech: S; National Eye Institute: S; Research to Prevent Blindness Foundation: S; Vanderbilt University: P

Stefanie L Davidson MD: None;

Dixon Davis: BSM Consulting: C

Janet Louise Davis MD: 4D Molecular Therapeutics: C; EyePharma: S; Kodiak Sciences: C; National Eye Institute: S; Nightstar Therapeutics: S

Lovell Davis, CPC, MHSA: None;

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

Denise de Freitas MD: None;

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

Gustavo De Moraes, MD: Carl Zeiss Meditec: C; Galimedix: C; Heidelberg Engineering: S; LinBiosciences: C; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: C; Perfuse Therapeutics: C; Reichert, Inc.: C; Research to Prevent Blindness: S; Topcon Medical Systems Inc.: S

Don Julian De Silva MBBS: None;

Dan DeAngelis, MD: None;

Vaidehi Shradha Dedania, MD: Alimera Sciences, Inc.: C; Allergan, Inc.: C; Regeneron Pharmaceuticals, Inc.: C

Monte A Del Monte MD: Knights Templar Eye Foundation: C; Leadiant Biosciences, Inc: C

Dimitri D Dementiev MD: Carl Zeiss Inc: C,L; Medennium, Inc.: C,L

Hakan Demirci MD: Castle Biosciences: C; Immunocore: C

Sibel Demirel, MD: Bausch+Lomb: L; Bayer Healthcare Pharmaceuticals: L; Novartis, Alcon Pharmaceuticals: L

Sophie X Deng MD PhD: California Institute for Regenerative Medicine: S; Dompe Inc: C; F-Prime: C; Kowa Research Institute, Inc: C; National Eye Institute: S; W. L. Gore & associates: C

Ekaterina V Denisova, MD: None;

John J DeStafeno MD: None;

Steven H Dewey MD: Johnson & Johnson Vision: C; Microsurgical Technology: P



Deepinder K Dhaliwal MD: Avedro, Inc.: S; CorneaGen: L; Johnson & Johnson: C; Noveome: S; Ocular Therapeutix: L; STAAR Surgical: L; Trefoil: C

Hardeep S Dhindsa MD: None;

Burkhard Dick MD: Avedro, Inc.: C; Bausch + Lomb: L; Johnson & Johnson Vision: C; Johnson & Johnson: L; Oculus Surgical, Inc.: P; RxSight Inc.: C

Kathleen B Digre MD: ELSEVIER: P; part owner on a patent pending thin-filmed technology; no company involved: P; Springer: P

Stefania Barbosa Diniz, MD: None;

Ali R Djalilian MD: Combango: C; Dompe: C; Novartis, Alcon Pharmaceuticals: C

Anna T Do, MD: None;

Diana V Do MD: Aeris Pharmaceuticals, Inc.: C; Bayer Healthcare Pharmaceuticals: C; BioTime Inc.: C; GENENTECH: C; Kodiak Sciences: C; novartis: C; Regeneron Pharmaceuticals, Inc.: C,S; Santen, Inc.: C

Thuy A Doan, MD, PHD: None;

John F Doane, MD: Carl Zeiss Meditec: C; Iveen: O; Presbyopia Therapies: O; RxSight: C

Emilio M Dodds MD: None;

Thomas Dohlman MD: None;

Bernard J Dolan OD: None;

Peter J Dolman MD: Immunovant: C

Sean P Donahue MD PhD: Diopsys: O; Gensight: C; Gobiquity: C; Nevakar: C; Olleyes: C; Retrophin: S

Kendall E Donaldson MD: Alcon Laboratories, Inc.: C,L; Allergan: C; Carl Zeiss Meditec: C; Eyevance: C; Johnson and Johnson: C; Kala: C; LENSAR: C; Lumenis Vision: C; Novartis Pharma AG: C; Omeros: C; Shire: C; SUN: C; Tissue Tech: C

Eric D Donnenfeld MD: Alcon Laboratories, Inc.: C; Allergan: C,L; Avellino Labs: C; Bausch+Lomb: C; Beaver-Visitec International, Inc.: C; BlephEX, LLC: C,O; CorneaGen: C,O; Eyepoint Pharma: C; Glaukos Corporation: C; Ivantis: C; Johnson & Johnson: C; Katena Products, Inc.: C,O; LacriScience, LLC: C,O; Mynosis: C,O; Novartis Pharma AG: C; Ocular Therapeutix: C; Omeros Corporation: C; PRN Physician Recommended Nutraceuticals: C,O; TLC Laser Center: C; Zeiss: C

Sybil Dorairaj, MD: None;

Pavle Doroslovacki, MD: None;

Assaf Dotan, MD: None;

Raymond S Douglas MD PhD: Horizon Therapeutics: C; Immunovant Corp.: C

Arlene V Drack MD: Chakraborty Family Foundation: S; NIH: S; Novartis Pharma AG: P; ProQR: S,C; Research to Prevent Blindness: S; retrophin: L,S; Spark Therapeutics: S; Vision of Children: S

Michael V Drake, MD: None;

Suneeta Dubey: None;

Sander Dubovy MD: None;

Jay S Duker MD: Aldeyra: C; Allergan: C; Aura Bio: C; Bausch + Lomb: C; Carl Zeiss Meditec: S; EyePoint Pharma: E; Hemera Biosciences: O; Hoffman La Roche, Ltd.: C; Novartis, Alcon Pharmaceuticals: C; OptoVue: S; Sesen Bio: C

Heather Hambrick Dunn, COA, OCS: None;

James Philip Dunn Jr MD: None;

Steven P Dunn MD: None;

William J Dupps, MD PhD: Alcon Laboratories, Inc.: C; Cleveland Clinic Innovations: P; Glaukos Corporation: C; National Eye Institute: S

Georges M Durr, MD: Alcon Laboratories, Inc.: C,L; Allergan, Inc.: C,L; Bausch + Lomb: C; Glaukos Corporation: C,L; Latician Ophthalmics, Inc.: L; MicroSurgical Technology: L; Novartis Pharma AG: L; Santen, Inc.: C,L; Sight Sciences, Inc.: L

Daniel S Durrie MD: AcuFocus, Inc.: C,O; Alcon Laboratories, Inc.: C; Alphaeon: O; Concierge Key Health: C,O; Eyegate Pharma: C; Gebauer Medical: C; Glaukos Corporation: C,L,O; Hoopes Durrie Rivera Research Center: C; iOR Holdings: O; iOR Partners: O,E; Johnson & Johnson Vision: C,L; SCHWIND Eye-tech-Solutions GmbH: C; Strathspey Crown LLC: O

Jonathan J Dutton MD PhD: None;

E

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

Jennifer S Edgar, CPC, CPCO, OCS, OCSR: None;

Lilangi S Ediriwickrema, MD: None;

Jane C Edmond MD: None;

Beth Edmunds, MD, PHD: None;



Deepak Paul Edward MD: None;

Kian Eftekhari, MD: GLG: C

Allen Eghrari MD: LuckyVision, LLC: O; Treytech: O

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

Neil Harkin Ekblom, JD: None;

Noha S Ekdawi MD: None;

Yasmine M El Sayed Ibrahim MD: None;

Hosam El Sheha, MD, PhD: None;

Alaa M Eldanasoury, MD: C.S.O. Srl: C; Nidek, Inc.: C; PhysiOL: C; STAAR Surgical: C

Hala Elhilali: None;

Dean Elliott MD: Alcon: C; Aldeyra Therapeutics: C,O,P; Allergan: C; DORC: C; GENENTECH: C; Glaukos Corporation: C; Neurotech: S; Pykus Therapeutics: C,O

Anna L Ellis MD: None;

Sinan Emre, MD: None;

Laura B Enyedi MD: nevakar: C

Robert W Enzenauer MD MPH: None;

K David Epley, MD: Nevakar: C

Barbara Erny MD: None;

Monica Kenney Ertel, MD, PHD: None;

Bitu Esmaeli MD FACS: GENENTECH: C

Nicole Eter MD: Allergan: C,L; Bayer Healthcare Pharmaceuticals: C,L,S; Novartis Pharmaceuticals Corporation: C,L,S; Roche: C

F

Lisa J Faia MD: Abbvie: L; Allergan, Inc.: C,L; GENENTECH: C; Mallinckrodt Pharmaceuticals: C; Santen, Inc.: C

Aaron Fairbanks, MD: None;

Robert G Fante, MD FACS: Horizon Therapeutics: L; OMIC-Ophthalmic Mutual Insurance Company: C; Strathspey Crown: O

Michel Eid Farah MD: None;

Fernando Faria Correia, MD: Alcon Laboratories, Inc.: C

Marjan Farid MD: Allergan: C; Bio-Tissue, Inc.: C; CorneaGen: C; Dompe: C; Eyepoint: C; EyeVance: C; Johnson & Johnson Vision: C; KALA: C; Novartis, Alcon Pharmaceuticals: C

Amani Fawzi MD: Bayer Healthcare Pharmaceuticals: L; Boehringer Ingelheim: C; National Institute of Health: S; Regeneron Pharmaceuticals, Inc.: C; Roche, Inc: C

Jean-Luc Febbraro MD: None;

Robert S Feder MD: None;

Sharon Fekrat MD: Alcon Laboratories, Inc.: P

Ronald Leigh Fellman MD OCS: Aerie Pharmaceuticals, Inc.: L; Alcon Laboratories, Inc.: C; Bausch + Lomb: L; Endo Optiks, Inc.: C; InnFocus: S

Matthew Timothy Feng, MD: Dompe: L; Haag-Streit Group: L

Angela Maria Fernandez, MD: None;

Jorge Fernandez Engroba, MD: None;

Sandra Fernando Sieminski MD: IRIDEX: S

Marta Figueroa MD: Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan, Inc.: C; Bayer Healthcare Pharmaceuticals: C; Beyeonics Surgical, Ltd.: C; Novartis Pharma AG: C; Orbit Biomedical Inc: C; Roche: C; Zeiss: C

John Fingert MD PhD: National Eye Institute: S; Perfuse Therapeutics Inc: C,S

Brenton D Finklea, MD: None;

Avni Patel Finn, MD: Allergan, Inc.: C; GENENTECH: C

Kevin Thomas Flaherty MD: None;

Donald Calvin Fletcher MD: None;

Harry W Flynn Jr., MD: None;
Jim Flynn: ONEFIRE: C,E
Rajesh Fogla, MD, FRCS: None;
Donald S Fong MD: Allergan, Inc.: S; GENENTECH: S; Regeneron Pharmaceuticals, Inc.: S; Santen, Inc.: S
Luigi Fontana MD PhD: None;
Bruno M Fontes MD: Alcon Laboratories, Inc.: L; OFTA Vision Health: L
Bryce A Ford MD: None;
Matteo Forlini MD: None;
Jorge A Fortun MD: Allergan: C; Carl Zeiss Inc: C; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C; Notal Vision, Inc.: C
Jill Annette Foster MD FACS: None;
Tamara R Fountain MD: None;
Amy M Fowler MD: Ellman, A Cynosure Company: C
Nicole R Fram MD: Alcon Laboratories, Inc.: C,L; Allergan: C; Bausch + Lomb: L; CorneaGen: C,O; Dompé: C,L; Johnson & Johnson Vision: C,L; Novartis Pharma AG: L; Ocular Science: C,O; Sun Pharmaceutical: L
Brian A Francis MD: Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C,S; Bausch + Lomb: C; Diopsys: C,S; Endo Optiks, Inc.: C; Glaukos Corporation: C; MicroSurgical Technology: C; 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
Suzanne K Freitag MD: horizon pharma: C; Springer: P; thieme: P
K Bailey Freund MD: Allergan: C; Bayer Healthcare Pharmaceuticals: C; Genentech/Roche: S; Heidelberg Engineering: C; Novartis, Alcon Pharmaceuticals: C; Optovue: C; Zeiss: C
David S Friedman MD MPH PhD: Bausch + Lomb: C; Clearview: C; Gore: C; Jobson Publishing: C; Life Biosciences: C; THEA: C
Beth Fritz: None;
Rachel T Fuerst, MD: None;
Simon Fung, MD, MA, FRCOphth: None;

G

Eric Gaier, MD: Luminopia: C,O,P
Marlo Galli: None;
Anat Galor MD: Allergan: C; Dompe: C; Novaliq: C; Shire: C
Jennifer A Galvin MD: None;
Tamer O Gamaly, FRCS, MD: None;
Rashmin A Gandhi, MBBS: None;
Sapna Gangaputra, MD, MPH: None;
Jill S Garabedian, JD: None;
Julian Garcia-Feijoo, MD: AJL Ophthalmic, S.A.: C; Alcon Laboratories, Inc.: C; Glaukos Corporation: C; iSTAR Medical: S,C; Santen, Inc.: C; THEA: C
Matthew F Gardiner 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
Sumit Garg MD: Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Dompe: C; EyePoint: C; Glaukos Corporation: C; Johnson & Johnson Vision: C; Kala: C; LensGen: C,O; New World Medical Inc: C; Novartis, Alcon Pharmaceuticals: C; OcuTrx: O; SightLife Surgical: C; SightSciences: C; Tarsus: 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; Topivert: C
Charles Garrard: None;
Ronald N Gaster MD FACS: None;
Damien Gatinel MD: Nidek, Inc.: C,L; Physiol: P; WaveLight AG: C
Alain Gaudric MD: Novartis: C; Topcon Medical Systems Inc.: L
Ghada Ismail Gawdat, MD: None;



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

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

JoAnn A Giaconci MD: Allergan, Inc.: L,C

Annette L Giangiacomo MD: None;

Tom Giannulli, MD, MS: None;

Sidney K Gicheru MD: None;

Aubrey L Gilbert, MD, PHD: None;

Mark C Gillies, MD PhD: Allergan: C,L,S; Bayer Healthcare Pharmaceuticals: C,L,S; Novartis Pharmaceuticals Corporation: C,L,S; Roche Diagnostics: C

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

Taania Girgla, BS: 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 **Ioannis P Glavas MD:** None;

Ravi D Goel MD: None;

Robert S Gold MD: None;

Jeffrey L Goldberg, MD PhD: Aerie: C; Allergan: C; Annexon: C; Astellas: S; Emerald Biosciences: C; Emmetrop Ophthalmics: O; Equinox: C; Galimedix: C; GENENTECH: C; IrisVision: C; Nicox: C; NIH, DOD, MTEC, BrightFocus, GVRI: S; Novartis Pharmaceuticals Corporation: C; PH Pharma: S; Quark Pharmaceuticals: C; Regeneron Pharmaceuticals, Inc.: C; RenetX: C; Santen, Inc.: C; TwoXAR: C; Zeiss: C

Robert A Goldberg MD: None;

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

Debra A Goldstein MD: AbbVie: C; Allergan: C; Bausch+Lomb: C

Karl C Golnik MD: None;

Dan S Gombos MD: Children's Oncolog: S; Houseman/Wilkins Ophthalmological Foundation: S; 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: C,L; Ofta: C,L,S

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

Viktoriya Goncharov CMP COA: None;

John A Gonzales MD: Kaiser Permanente: L; National Eye Institute: S

Mithra O Gonzalez MD: None;

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: Vedere Bio: C

Mark S Gorovoy MD: None;

Alana L Grajewski MD: None;

David B Granet MD: AAP: P; Diopsys, Inc.: C; Nevakar: C; Novasight: C

Michael E Gray MD: None;

Laura K Green MD: None;

Aimee Greeter: None;

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

Darren G Gregory MD: None;

Mark Greiner MD: None;

Dilraj Singh Grewal, MD: Alimera Sciences, Inc.: C; Allergan: C; Clearside: C; Eyepoint: C

Seanna R Grob, MD: None;

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 Eye Institute: S

Davinder S Grover MD: Aerie Pharmaceuticals, Inc.: L; Allergan: C,L,S; Bausch + Lomb: L,C; Glaukos Corporation: C; 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

Sirel Gur Gungor MD: None;

Aditi Gupta, MD: None;

Neeru Gupta MD PhD: None;

Omesh P Gupta MD: None;

Preeya K Gupta MD: Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Aurea Medical: C; Johnson and Johnson Vision: C; Kala Pharmaceuticals, Inc.: C; New World Medical Inc: C; NovaBay Pharmaceuticals: C; Novartis Pharma AG: C; Ocular Science: C; ReGen Tree: C; Shire: C; Sight Sciences, Inc.: C; Sun Pharmaceutical Industries Inc: C; TearLab Corporation: C; Zeiss Carl Ltd.: C

Shikha Gupta, MBBS: Dr. R. P Centre, All India Institute of Medical Sciences: E

Naomi E Gutkind, MD: None;

Robyn H Guymer MBBS PhD: Apellis: C; Bayer Healthcare Pharmaceuticals: C; Novartis Pharma AG: C; Roche Diagnostics: C

H

Ranya G Habash MD: None;

Samantha Habhab, MD: None;

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

Paul Hahn MD PhD: Alimera Sciences, Inc.: C; Allergan, Inc.: C; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C,L

Julia A Haller MD: Aura Biosciences: C; Bionic Sight LLC: C; Bristol Myers Squibb: O; KalVista: C; Lowy Medical Research Institute: C; Novartis Pharmaceuticals Corporation: C

D Rex Hamilton MD: Carl Zeiss Meditec: C; Johnson & Johnson Vision: C

Naama Hammel MD: Google LLC: E

Pedram Hamrah MD: Allergan: C,S; Bausch Lomb: C,S; Clementia: C; Coopervision: C; Dompe: C,S; Editas: C; Eyegate Pharma: C,O; GlaxoSmithKline: S; Heidelberg Engineering: C; Kala Pharmaceuticals: C; National Eye Institute: S; Novaliq: C; Novartis Pharma AG: C,S; Noveome: S; Ocular Therapeutix: S; Oculus: C; OKYO: S; Oysterpoint Pharma: S,C; Santen, Inc.: C

Dennis P Han MD: Apellis Pharmaceuticals: C; Aura Biosciences: C

Sheryl M Handler MD: None;

Sadeer B Hannush MD: Kowa American Corporation: C

J William Harbour MD: Castle Biosciences, Inc.: C,P

David R Hardten MD: ESI, Inc.: C,O; Glaukos Corporation: C; Humanoptics: S; Johnson & Johnson: C; Minnesota Eye Consultants: O; OSD, Inc: C,O; Sightpath: C; UVP: O

George Harocopos MD: None;

Andrew R Harrison MD: Horizon Pharmaceuticals: C,L,O; Osmotica Pharmaceuticals: C

Collin Hart: None;

Mary Elizabeth Hartnett MD FACS: Knights Templar Eye Foundation: C; Lippincott Williams and Wilkins: P; NIH/NEI: S; novartis: S; PAREXEL: S; patent: P; Regeneron Pharmaceuticals, Inc.: C

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

Murat Hasanreisoglu, MD: None;

Muhammad Hassan, MD: None;

Tarek S Hassan MD: Alcon Laboratories, Inc.: C; Allergan: C; ArcticDx, Inc.: C,O; Bayer Healthcare Pharmaceuticals: C; GENENTECH: C; Hoffman La Roche, Ltd.: C; Iconic Therapeutics: C; Katalyst Surgical, LLC.: C; Novartis Pharmaceuticals Corporation: C; Oculus, Inc.: C,O; Regeneron Pharmaceuticals, Inc.: C; Surgicube: C; Vitreq: C; Vortex Surgical: C

Lynn M Hassman, MD: None;



Vivienne S Hau, MD, PHD: Bayer Healthcare Pharmaceuticals: S; GENENTECH: S; Novartis Pharma AG: S; Regeneron Pharmaceuticals, Inc.: S

Mingguang He, MD PhD: None;

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

Gena Heidary MD: Children's Tumor Foundation: S; National Eye Institute: S

Jeffrey S Heier, MD: 4DMT: C; Adverum: C,O; Aerie Pharmaceuticals, Inc.: C; Aerie: C,S; Aldeyra: C,O; Allegro: C,O; Alzheon: C; Apellis: C,S; Aprea: C; Asclex: C; Aviceda: C,O; Bayer Healthcare Pharmaceuticals: S; Beaver-Visitec International, Inc.: C; Chengdu Kanghong Biotech: C,S; Digital Surgery Systems: O; DTx: C; Eloxx: C; Galimedix: C; GENENTECH: C,S; Graybug: C,S; Gyroscope: S,C; Hemera: S; Irenix: C; Iveric: C,S; Janssen R&D: S; jCyte: C,O,S; Kala: C; NGM Biopharmaceuticals: C; Notal Vision, Inc.: C; Novartis Pharma AG: C,S; Ocular Therapeutix: C,O; Oxurion: C; Palatin: C; Regeneron Pharmaceuticals, Inc.: C,S; Regenxbio: C,S; Santen, Inc.: C; Stealth Biotherapeutics: C,S; THEA: C; Vinci: C; Voyant: C

Amanda D Henderson, MD: None;

Bonnie An Henderson, MD: Alcon Laboratories, Inc.: C,L; EyePoint: C; Novartis Pharma AG: C; Zeiss: C

Raoul Paolo D. Henson, MD: None;

Kristell Mariana Hernandez, MD: None;

Leon W Herndon Jr, MD: None;

James D Hiles: NA: C

Warren E Hill MD: Alcon Laboratories, Inc.: C; Carl Zeiss Meditec: C; Haag-Streit Group: P,C; LENSAR: C; Omega Ophthalmics: C; Optos, Inc.: L

Akito Hirakata MD: None;

Allen C Ho MD: Aerie: C,S; AGTC: C,S; Alcon Laboratories, Inc.: C,S; Allergan: C,S; Apellis: S; Asclex: 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; ProQR: C; Regeneron Pharmaceuticals, Inc.: C,S; REGENXBIO: C,S; Second Sight Medical Products, Inc.: C,S; Tyrogenix: C

Quan V Hoang MD, PhD: None;

Lauren E Hock, MD: None;

Kenneth J Hoffer, MD FACS: Carl Zeiss Meditec: P; Escalon Medical Corp: P; Haag-Streit: P; Heidelberg Engineering: P; Nidek, Inc.: P; Oculus, Inc.: P; Optopol Technology Sp. z o.o.: P; Tomey Corp.: P; Topcon Medical Systems: P; Ziemer: P

John Bryan Holds MD: Cypris Medical: O; Horizon Pharmaceuticals: C,O; Revance Therapeutics: O; Springer: P; Sun Biopharma: O

Nancy M Holekamp MD: Acucela: C; Allergan, Inc.: C,L; Annexon: C; Clearside: C; Gemini: C,S; GENENTECH: C,L,S; Gyroscope: S; Katalyst: C,O,P; Lineage Cell Therapeutics: C; Nacuity: C; Notal Vision: C; Novartis Pharma AG: C,L; Polyactiva: C; Regeneron Pharmaceuticals, Inc.: C,L; Spark: L

Edward J Holland MD: Abingworth: C; Aerie: C; Akros: C; Alcon: C,L; Aldeyra Therapeutics: C; Allegro: C; Allergan: C; Azura Ophthalmics: C; BioTissue: C; BlephEX, LLC: C; BRIM Biotech: C; Claris: C; CorneaGe: C; CorneaGen: C; Corneat: C; Dompe: C; Expert Opinion: C; EyePoint: C; Glaukos: C; Hanall: C; Imprimis Pharma: C; Kala Corporation: C; Mati Therapeutics: C; Merck KGaA: C; Novartis NIBR: C; Novartis Pharmaceuticals: C,L; Ocuphire: C; Omeros: C,L; OysterPoint: C; Precise Bio: C; Prometic: C; ReGentree, LLC: C; Retear: C; Senju Pharmaceutical Co., LTD.: C,L; Shire: C,L; Sight Sciences: C; SLACK: C; Tarsus: C; TearLab Corporation: C; Vomaris: C; W.L. Gore and Associates: C; Zeiss: C

Gary N Holland MD: None;

Jonathan M Holmes MD: National Institutes of Health: S

Frank G Holz MD: Acucela: C,S; Alcon Laboratories, Inc.: C; Allergan: C,S; Apellis: C; Bayer Healthcare Pharmaceuticals: C,L,S; Boehringer-Ingelheim: C; Centervue: S; GENENTECH: C,S; Geuder: C,S; Heidelberg Engineering: C,S; Hoffman La Roche, Ltd: C,S; Kanghong: C,S; LIN Bioscience: C; Nightstar: S; Novartis Pharmaceuticals Corporation: C,L,S; Optos: S; Oxurion: C; Pixium: C; Zeiss: C,S

Santosh G Honavar MD: None;

Sang H Hong MD: Horizon Therapeutics: C

Robert A Honkanen MD: None;

John A Hovanesian MD: Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L,S,O; Alicia Surgery Center: O; Allegro Ophthalmics: C,O; Allergan, Inc.: C,O; Azura Ophthalmics: C; Bausch & Lomb Surgical: C,L,S; Bausch Lomb: C,L,S; BlephEX, LLC: C,L,O; Carl Zeiss Meditec: C,L,S; Cord, LLC: O,C,L; Equinox: O,C; Eyedetec: O,C,L; EyePoint: C,S,L; Glaukos Corporation: C,L; Guardian Health Sciences: C,O; Harvard Eye Associates: O; Ingenioeye: O,C; Ivantis: C; Johnson & Johnson Vision: C,L,O,S; Kala Pharmaceuticals: C; Katena Products, Inc.: L,C; MBackline, LLC: O,P; Novaliq: C; Novartis, Alcon Pharmaceuticals: O,C,S; Ocular Therapeutix: C,L,O; Oculus: C; Omeros: C,L; Reata: C,S; Refocus Group: C; Research InSight LLC: O; ReVision Optics: C; RxSight: O,C; Sarentis Ophthalmics: C,O; Shire: C,L,S; Sight Sciences: C,O; SightLife: O,C; SLACK, Incorporated: C,L; Sun Ophthalmics: C,L,S; Tear Clear: O,C; Tear Science: C,L; TearLab Corporation: C,L; Versant Ventures: O; Vindico Medical Education: C,L; Visionary Ventures Fund 1 and 2 & its investments: O; Vista Research: C

Hong-Uyen Hua, MD: None;



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

Suber S Huang MD, MBA: Diopsys: C,L,S; Lumoptic: C,O; NEI/NIH: C; Outlook Therapeutics: C; Regenerative Patch Technologies: C; RegenXbio: C; Replenish: C; Second Sight Medical Products: 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

Mark S Humayun MD PhD: Allergan: C,L; Duke Eye Center: P; Eyemedix: C,O,P,S; IRIDEX: P; John Hopkins University: P; Lutronic Vision: C,O; MTTR: C,O; Outlook Therapeutics: C; 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

Michael G Hunt MD: None;

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

Jeffrey S Hunter MD: None;

Amy K Hutchinson MD: None;

Thomas Hwang MD: None;

I

Omolola O Idowu MD: None;

Tsutomu Inatomi MD PhD: None;

Michael S Ip MD: alimera: C; Allergan, Inc.: C; amgen: C; BioTime Inc.: C; Cell Lineage Therapeutics: C; Clearside: C; GENENTECH: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C; Regenxbio: C

John Alexander Irvine MD: None;

Hiroshi Ishikawa MD: None;

Nazrul Islam, MBBS: None;

Noor Ismaiel: None;

Andrew George Iwach, MD: Bausch+Lomb: C,L; Ivantis: C; New World Medical Inc: C,L

Geetha K Iyer MBBS: None;

J

Douglas A Jabs MD MBA: None;

Jorie Jackson: None;

Mary Lou Jackson MD: Astellas: C

Soosan Jacob, MBBS, FRCS: None;

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

Glenn J Jaffe, MD: Clearside: C; EyePoint: C; EyeVensys: C; Heidelberg Engineering: C; Iveric: C; Neurotech: C; Novartis Pharma AG: C

Martine J Jager, MD, PHD: None;

Neera S Jagirdar, MD: None;

Sandeep Jain MD: Advaita, Inc.: O,E; Ocugen, Inc.: C

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

Farnaz Javadian, BS: None;

Reynaldo Manansala Javate, MD: None;

Bennie H Jeng MD: EyeGate Pharmaceuticals Inc.: O; GlaxoSmithKline: C; Kedrion: C; Merck & Co., Inc.: C

Vishal Jhanji, MD, FRCOphth: None;

Chirag D Jhaveri MD: Allergan, Inc.: C; Boeringer-Ingelheim: C; GENENTECH: C; Novartis, Alcon Pharmaceuticals: C

Imran Jivraj, MD: None;

Denise A John MD: None;

Anthony J Johnson MD: None;

Anthony Pruett Johnson MD FACS: None;

Daniel A Johnson MD: None;



Mark W Johnson MD: Amgen: C; Apellis: S; Aura Biosciences: C; Pfizer, Inc.: C; Syneos Health: C

William J Johnson, MD: None;

Jost B Jonas MD: Biocompatible UK Ltd: P; Oneself: P; University Heidelberg: P

Emily P Jones, MD: None;

Jason J Jones MD: Glaukos Corporation: S; Ivantis: C,S,L; Johnson & Johnson: C,L,S; Mimetogen Pharmaceuticals: S; Perfect Lens: C; SLACK: L

Jeremy K Jones MD: None;

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

Andrew Joseph, MD: None;

Jeffrey M Joseph, MD: Allergan, Inc.: C; Inmode: C

Shannon Shan Joseph, MD: horizon: C

J Michael Jumper MD: Allergan: S; Carl Zeiss Meditec: S; Chengdu Kanghong Pharmaceutical Group: S; Covalent Medical LLC: O; EMD Serono: S; GENENTECH: S; Graybug Vision Inc.: S; Kodiak Sciences Inc: S; Novartis Pharma AG: S; Santen, Inc.: S; Topcon Medical Systems Inc.: S

Jennifer L Jung, MD: None;

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

Grant A Justin, MD: None;

K

Kazuaki Kadonosono MD: None;

Alon Kahana MD PhD: GENENTECH: C,S; Horizon Pharmaceuticals: C; Stryker Corp/Medical Division: C; TissueTech, Inc.: C

Malik Y Kahook MD: Alcon Laboratories, Inc.: P; Allergan, Inc.: C; Aurea Medical: C,O,P; Equinox: C,O; Johnson & Johnson Vision: P; New World Medical Inc: P; ShapeTech LLC: O,P; SpyGlass Ophthalmics: C,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; clearside: C; Eyeevensys: C; Formycon: C; Galecto: C; Galimedix: C; glaukos: C; iRenix: C; ivericBio: C,O; 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; RegenexBio: C; Retinal Sciences: C,O; santen: C; SciFluor Lide Sciences: C; Stealth: C; Verana: O

Shivani S Kamat, MD: None;

A John Kanellopoulos MD: Alcon Laboratories, Inc.: C; Amnion: C; Avedro: C; ISP Surgical: C; KeraMed, Inc.: C; ORCA: C

Hyun Goo Kang, MD: None;

Jessica M Kang, MD: None;

Michael A Kapamajian MD: None;

Randy H Kardon MD PhD: FaceX: O; Fight for Sight Board of Directors: C; Heidelberg Engineering: S; MedFace: O; National Eye Institute: S; Novartis Pharmaceuticals Corporation: C; Santen, Inc.: C; Veterans Administration: S; Zeiss: L

Justin Nathaniel Karlin, MD: None;

Carol L Karp MD: None;

Amir H Kashani MD PhD: Carl Zeiss Meditec: C,L; National Eye Institute: S; Regenerative Patch Technologies Inc: S

Manpreet Kaur MD: 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; ProQR: S; Sanofi: C; Second Sight Medical Products, Inc.: C; Spark Therapeutics, Inc.: C

Michael Kazim MD: None;

Melanie A Kazlas MD: None;

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

Sanjay R Kedhar MD: None;

Ramesh Kekunnaya, MD FRCS: None;

Aditya S Kelkar MBBS: Novartis, Alcon Pharmaceuticals: L,S

John H Kempen MD: Betaliq: O; Christoffel Blindenmission: S; Gilead Sciences: C; Massachusetts Eye and Ear: E; National Eye Institute: S; Sight for Souls: S; Tampa Bay Uveitis Center: C

Peter J Kertes MD: Allergan: C,S; ArcticDx, Inc.: O; Bayer Healthcare Pharmaceuticals: C,L,S; GENENTECH: S; Novartis, Alcon Pharmaceuticals: C,L,S; Novelty Nobility: C; Roche: S,C

Khizer R Khaderi MD: Vizzario Inc.: O



Mounir A Khalifa MD: None;

Ahmad Khalil Khalil MD: None;

Arif O Khan, MD: Novartis, Alcon Pharmaceuticals: C

Baseer U Khan MD: Allergan: C; Bausch + Lomb: C; Zeiss: C

Hamza N Khan MD FACS: Bausch & Lomb Surgical: C,L; Johnson & Johnson Vision: C; Shire: C

Mohammed Ali Khan, MD: Allergan: C; Apellis Pharmaceuticals: C; GENENTECH: C; Regeneron Pharmaceuticals, Inc.: S

Arshad M Khanani MD: Adverum: S,C; Alcon Laboratories, Inc.: C; Allegro: C,S; Allergan: C,L,S; Eyepoint: C; Gemini: C,S; GENENTECH: C,S; Glaukos: C; Gyroscope: C,S; IVERIC Bio: S; Kodiak Sciences: C,S; Neurotech: S; Novartis Pharmaceuticals Corporation: C,L,S; Opthea: C,S; Oxurion (formerly ThromboGenics): C,S; Polyphotonix: C; Recens Medical: C,S; Regenxbio: C,S

Sumitra S Khandelwal, MD: Alcon Laboratories, Inc.: C; Bausch + Lomb: C; Carl Zeiss Meditec: C; Ocular Therapeutix: C; Omeros Corporation: C

Nora Khatib, MD: Alimera Sciences, Inc.: C

Anthony P Khawaja MBBS: Aerie Pharmaceuticals, Inc.: C; Allergan: C,L; Google Health: C; Novartis Pharmaceuticals Corporation: C; Santen, Inc.: C,L; Thea: S

Ahmad Kheirkhah MD: None;

Ramin Khoramnia, MD: Abbott Medical Optics Inc.: L,S; Alcon Laboratories, Inc.: L,S; Alimera Sciences, Inc.: L,S; Allergan: L; Bausch+Lomb: S; Bayer Healthcare Pharmaceuticals: L,S; Carl Zeiss Meditec: S; Contamac: S; Hoya: S,L; HumanOptics: S; Kowa: S; LensAr: S; Novartis Pharmaceuticals Corporation: L,S; Oculentis: L,S; OPHTEC: L; Physiol: L,S; Powervision: S; Rayner Intraocular Lenses Ltd: L,S; Roche Diagnostics: L,S; Santen, Inc.: L,S; SIFI: L,S

Albert S Khouri MD: Aerie Pharmaceuticals: C,L; Allergan: L,S; Bausch + Lomb: L; Glaukos Corporation: C; New Jersey Health Foundation: S; Optovue: S

Don O Kikkawa MD: Horizon Pharmaceuticals: C

Aylin Kilic, MD: Alcon Laboratories, Inc.: C; allotex: C; Johnson & Johnson: C; vivior: C

Hee J Kim MD: None;

Ivana K Kim MD: Allergan, Inc.: S; Biophytis: C; Castle Biosciences: C; Kodiak Sciences: C; Novartis, Alcon Pharmaceuticals: C

Jonathan W Kim, MD: None;

Judy E Kim MD: Adverum: C; Alimera Sciences, Inc.: C; Allergan: C; cellcure: C; Clearside: C; Eyepoint: C; GENENTECH: C; Kodiak: C; Notal Vision, Inc.: S; Notal Vision: C; Novartis: L; Optos, Inc.: S

Sung Min Kim, MD: None;

Terry Kim MD: Aerie Pharmaceuticals: C; Alcon/Novartis: C; Allergan/Actavis: C; Avellino Labs: C,O; Azura Ophthalmics: C; B&L/Valeant: C; CorneaGen: C,O; Dompe: C; Eyenovia: C,O; Glaukos Corporation: C; Johnson & Johnson Vision: C; Kala Pharmaceuticals: C,O; Novartis Pharma AG: C; Ocular Therapeutix: C,O; Oculis: C; Omeros: C,O; Presbyopia Therapies: C,O; Sight Sciences, Inc.: C; Simple Contacts: C,O; Surface: C; Zeiss: C

Yoon-Duck Kim MD: None;

Alan E Kimura, MD, MPH: Spark Therapeutics, Inc.: C,L

Trevor Kindle, MD: None;

Shigeru Kinoshita MD: Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L; Astellas Pharmaceutical Co.,Ltd.: L; CorneaGen: O,P,S; HOYA Co., Ltd.: S; Japan Agency for Medical Research and Development: S; Japan Society for the Promotion of Science: S; Johnson & Johnson Vision: L; KOWA Co., Ltd.: C; Otsuka Pharmaceutical Co., Ltd.: C,L,S; Rohto Pharmaceutical Co., Ltd.: C; Santen Pharmaceutical Co., Ltd.: C,L,S; Senju Pharmaceutical Co., Ltd.: C,L,P

John W Kitchens MD: Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan: C; Bayer Healthcare Pharmaceuticals: C,L; Carl Zeiss Meditec: C; GENENTECH: C; Notal Vision, Inc.: C; Optos, Inc.: C; Regeneron Pharmaceuticals, Inc.: C; Spark Therapeutics, Inc.: C,L; Vortex Surgical: C

Shelley Klein, CO: None;

Guy Kleinmann MD: Corneat Vision: C; HANITA IOLs Ltd: C; Orasis: C; Shulov – Innovative Science Ltd: C

Melissa W Ko MD: None;

Douglas D Koch MD: Alcon Laboratories, Inc.: C; CAPSULaser: O; Carl Zeiss Meditec: C; Ivantis: O; Johnson & Johnson: C; Perfect Lens: C; Vivior: O

Shilpa M Kodati, MD: None;

Jagger Koerner, MD: None;

Bruce H Koffler MD: None;

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: Allergan Medical Affairs: C; Bausch + Lomb: C; Carl Zeiss Meditec: C,S; Dompé: C; Geuder: C; Hoya: S; Johnson & Johnson Vision (Abbott): C,S; MedUpdate: C; Merck & Co., Inc.: C; Novartis (Alcon): C,S; Oculentis: C,S; Oculus



Optikgeräte: C,S; Presbia: C,S; Rayner Intraocular Lenses Ltd: C; Santen, Inc.: C; SCHWIND eye-tech-solutions: C,S; STAAR Surgical: C; TearLab Corp.: C; Thea Pharma: C; Thieme Compliance: C; Zeiss: S,C; Ziemer: C

Noriko Koizumi MD: ActualEyes, Inc.: O,S,P; Japan Innovative Therapeutics, Inc.: S; Kowa Company Ltd.: C,S; M's Science Corporation: C,S; Senju Pharmaceutical Co.,Ltd.: P,S

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

George (Yu Xiang) Kong, MBBS: glance optical: O

Ellen Koo, MD: None;

Carina Koppen MD: None;

Anjum F Koreishi, MD: None;

Bobby S Korn, MD PhD FACS: Elsevier, Inc.: P; Horizon Therapeutics: C

Andrea N Kossler, MD: Horizon Therapeutics: C; Immunovant therapeutics: C; Osmotica: L

Patrick Krause: None;

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

Ronald R Krueger MD: Alcon Laboratories, Inc.: C; Bausch + Lomb: C; Johnson & Johnson Vision: C; Ocutrx: O,C; Optoquest: C; Rx Sight: O; Strathespey Crown: O

Johann A Kruger MBChB: None;

Ferenc P Kuhn MD PhD: None;

Felix Forest Kung, BA: None;

Anthony N Kuo MD: Leica: P

Baruch D Kuppermann MD PhD: Allegro: C,S,O; Allergan: C,S,L; Apellis: S; Aprea Therapeutics, Inc: C; Cell Care: C,O; Dose: C; Eyedaptic: C,O; Galimedix: C,O; Genentech, Inc.: C,S; Glaukos Corporation: C; Interface Biologics: C; Ionis: S; IVERIC Bio: C; jCyte: C,O; Novartis Pharmaceuticals Corporation: C,S; Ocunex Therapeutics: C,O; Ophthotech: C; Regeneron Pharmaceuticals, Inc.: C,S; ReVana Therapeutics: C,O; Ripple Therapeutics: C; Theravance Biopharma: C

Ajay E Kuriyan, MD: Alimera Sciences, Inc.: C; Allergan: C; Bausch + Lomb: C; GENENTECH: C,S; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: C; regeneron: C; Second sight: S

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

Barbara Kusa MD: None;

Burton J Kushner MD: NovaSight: C

L

Eleonora G Lad MD PhD: Allegro Ophthalmics: C; Apellis: C; Boehringer Ingelheim: S; Galimedix: C; Hoffman La Roche, Ltd.: S; Hoffmann La Roche: C; Novartis, Alcon Pharmaceuticals: S; Retrotope: C

Timothy Y Lai MD, FRCOphth, FRCS: AbbVie: C; Allergan: L; Bayer Healthcare: C,L,S; Boehringer Ingelheim Pharma: C; Chengdu Kanghong Biotech: S,L; Novartis Pharmaceuticals Corporation: C,L,S; Oculus, Inc.: C; Roche: C,S,L; Santen, Inc.: S

Ikeda Lal, MD: None;

Geeta A Lalchandani-Lalwani MD: Genentech, Inc.: C; Novartis Pharma AG: C; ocugen: C; Regeneron Pharmaceuticals, Inc.: C

Byron L Lam MD: AGTC: S,C; Allergan, Inc.: C,S; Biogen Inc: S; Editas: S; National Eye Institute: S; Spark Therapeutics, Inc.: S

Linda A Lam, MD, MBA: Ocutrx: C

Stacey L Lam, MBChB: None;

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

Scott R Lambert MD: Cystic Fibrosis Foundation Therapeutics : C

STEVEN LANCE: None;

Nicole A Langelier, MD: None;

Frank P Larkin MD: Laboratories Thea: L; National Institute for Health Research (UK: S; Recordati Rare Diseases: C

Marissa B Larochelle, MD: None;

Christine L Larsen, MD: Aerie Pharmaceuticals, Inc.: L; Allergan, Inc.: C

Scott A Larson MD: None;

Nora V Laver MD: None;

Simon K Law MD: None;

Linda M Lawrence MD: None;



Douglas R Lazzaro MD: None;

Aaron Y Lee, MD: Carl Zeiss Meditec: S; Food and Drug Administration: E; GENENTECH: C; Microsoft: S; Novartis Pharmaceuticals Corporation: S; NVIDIA: S; Santen, Inc.: S; Topcon Medical Systems Inc.: L; Verana Health: C

Andrew G Lee MD: horizon: C

Bradford William Lee, MD MSC: Horizon Pharmaceuticals: O

Bryan S Lee, MD JD: AcuFocus, Inc.: S; Aerie Pharmaceuticals, Inc.: C; Carl Zeiss Meditec: S; New World Medical Inc: C

Daniel Lee, MD: Allergan, Inc.: S; Glaukos Corporation: L; Optovue, Inc.: S

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

Haengjin Lee, MD: None;

Hui Bae Harold Lee MD: None;

Junhee Lee MD: None;

Katherine A Lee MD PhD: None;

Michael S Lee MD: evolmed: C; horizon: O; springer: P; uptodate: P; vindico: C

Min Joung Lee MD: None;

N Grace Lee MD: None;

Paul P Lee MD JD: AAO Foundation - Hoskins Center for Quality and Safety: C; American University Professors of Ophthalmology: C; Duke Eye Center: P; EMR decision support and data entry: O; GSK: O; Kellogg Foundation: S; Medco Health Solutions: O; Merck & Co., Inc.: O; NAEVR / AEVR: C; National Eye Institute: S; Pfizer, Inc.: O; Research to Prevent Blindness: S; Statins for glaucoma: O; University of Michigan: E

Thomas C Lee MD: None;

Wendy W Lee MD: Allergan: C; Evolus: C; Galderma: C; Horizon Therapeutics: C; Mallinckrodt: C; Revance: C; Solta: C; Vertical/Osmotica: C

William Barry Lee MD: Dompe: C; ELSEVIER: P; Johnson and Johnson Vision: L; Kala: L; novartis: L; TissueTech, Inc.: C,L

Won Ki Lee MD: Bayer Healthcare Pharmaceuticals: C; Novartis, Alcon Pharmaceuticals: C; Roche Diagnostics: C

Christopher Theodore Leffler, MD: None;

Gary L Legault, MD: None;

James D Lehmann MD: CorneaGen: L; Glaukos Corporation: S; Johnson & Johnson Vision: L,S; Modernizing Medicine: C; RxSight: C,O

Gary J Lelli, MD: horizon: C

Bart P Leroy MD: Gensight Therapeutics: C,S; IVERIC Bio: C; Novartis Pharma AG: C,S; ProQR Therapeutics: C,S; REGENXBio: C; Spark Therapeutics, Inc.: C; Vedere Bio: C

Cory M Lessner MD: None;

Christopher Kai-shun Leung MD MBChB: Aerie Pharmaceuticals, Inc.: C; Carl Zeiss Meditec: C,L,P,S; Novartis, Alcon Pharmaceuticals: C,L; Quark Pharmaceuticals: C; Santen, Inc.: C,L; Tomey Corp.: C,L; Topcon Medical Systems Inc.: C,L,S

Thellea K Leveque MD: None;

Alex V Levin MD: None;

Ashleigh Laurin Levison, MD: Abbvie: L; Clearside Biomedical: C; Santen, Inc.: C

Jennifer Y Li MD: None;

Thomas M Lietman MD: None;

Jennifer Irene Lim, MD: Aldeyra Therapeutics: S; Allergan, Inc.: C; Aura Biosciences: C; Chengdu Kanghong: S; Clearside: S; Cognition Therapeutics: C; CRC Press/ Taylor and Francis: P; GENENTECH: C,S; Greybug: S; Iveric Bio: C; JAMA Ophthalmology Editorial Board: C; Kodiak: C; Novartis Pharma AG: C; Ophthea: C; pSivida: C; Quark: C; Regeneron Pharmaceuticals, Inc.: S; Santen, Inc.: C; Second Sight Medical Products, Inc.: S

Lyndell Lim, MD, PHD: Allergan, Inc.: L; Bayer Healthcare Pharmaceuticals: L,S; Novartis, Alcon Pharmaceuticals: L

Luiz Lima MD: None;

Roberto Murillo Limongi S Carvalho MD: None;

Charles C Lin MD: None;

Michael Lin, MD: None;

Phoebe Lin MD PhD: None;

Shawn Lin, MD, MBA: None;

Shuai-Chun Lin, MD: None;

John T Lind MD: Aerie Pharmaceuticals, Inc.: C,L; Perrigo: S

Richard L Lindstrom MD: AcuFocus, Inc: C,O,P; Alcon Laboratories, Inc: C; Allegro: C,O; Alphaeon: C,O; Aprea Therapeutics: O;



Augustine Temperature Management : O; Avellino Labs: C,O; Aviana: O; Bausch + Lomb: C,O,P; Belkin Laser: C,O; Broadspot: C,O; Bruder: O; Centricity Vision: C,O; Checked-Up: C,O; Combangio: C,O; Confluence Acquisition Partners, Inc: O; CorneaGen: C,O; CXL, ESI: C,O; Digital Systems: O; Dose: C,O; E-Vision Medical Devices: O; E-Vision: O; EBV Partners: O; Egg Basket Ventures: O; Egg Factory: O; Equinox: C,O; Eton: O; Evolus: O; Excel-Lens, Inc: O; Exoert Opinion: C,O; Eye Safe: C,O; Eyemaginations, Inc: C,O; Flying L Ventures: C,O; ForeSight #4: O; ForSight Vision 3 - Drug Delivery Posterior Segment: O; ForSight Vision 6 - Accommodating IOL: C,O; Freedom Software: O; FZioMed, Inc: O; Glaukos Corp: C,O; Harrow Health: C,O,P; Health-E: C,O; Healthcare Transaction Services: C,O; High Performance Optics: O; Iantrek: O; IDoc, Inc: O; Imprimis: C,O; InjectSense: C,O; Innovega: O; Johnson & Johnson Vision: C; KalaRx Pharmaceuticals: C,O; Kedallion: C,O; KeraFlow: C,O; LENSAR: C,O; LenTechs: C,O; Lenticular Research Group: O; Lifeguard Health: C,O; Lumineyes: O; MD Backline: C,O; Melt: C,O; Minnesota Eye Consultants: C,O; NASA-Vision for Mars Program: C; Neurovision: C,O; New Sight Reality: O; Novabay: C,O; Nutraceutical Holdings: C,O; Ocular Optics: C,O; Ocular Surgery News/Slack: C; Ocular Therapeutix: C,O; Oculotec: O; Ocutryx: C,O; Omega Eye Health: C,O; Omega Ophthalmics: C,O; Omeros Corp: C; Orasis: C,O; Oysterpoint: C,O; PogoTec: C,O; Q Sensei: O; Quest: C,O,P; Refractec: C,O; Revana: O; RxSight: C,O; Schroeder Ventures Fund II, III, IV, VI: C,O; SightPath: C,O; Silk Technologies: C; Solbeam, Inc: O; Strathsprey Crown: O; Stroma: O; SunPharma: C; Surface Pharmaceuticals: C,O; Tarsus: C,O; TearClear: C; TearLabs, Inc: C,O; Tissue Tech: O; Tracey Technologies: C,O; True Iris: C,O; True Vision: C,O; Versant Fund Side Fund: C,O; Vinci: C,O; Viradax: O; Vision Solutions Technology: C,O; Visionary Ventures: C,O; Ziess: C

Tin Yan Alvin Liu, MD: None;

Yao Liu, MD, MS: None;

Yunxiang Liu, MD: None;

Stephanie M Llop Santiago, MD: None;

Ann-Marie Lobo MD: Alcon Laboratories, Inc.: C; Novartis, Alcon Pharmaceuticals: C; Phoenix Technology Group: C

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

Kenneth C Low MD: Arthur De Gennaro Associates: C

Careen Yen Lowder MD PhD: None;

Natalie M Loyacano, COMT, OCSR: None;

Mark J. Lucarelli, MD FACS: None;

Irene H Ludwig MD: None;

Gregg T Lueder MD: None;

Brandon J Lujan, MD: GENENTECH: C,S; Kodiak Sciences: C; Lineage Cell Therapeutics: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C; REGENXBIO: C; RIBOMIC: C; Southern California Desert Retina Consultants: C; Translations Imaging Innovations, Inc.: C,O; University of California, Berkeley: P

M

Jingyi Ma: None;

Mathew W MacCumber MD PhD: Alimera Sciences, Inc.: C; Allergan, Inc.: C; Apellis: S; Clearside Biomedical, Inc.: S; Covalent Medical: O; GENENTECH: C; National Eye Institute: S; Novartis Pharma AG: C; Regeneron: C; Spark Therapeutics: C; US Retina: O

Marian Sue Macsai-Kaplan MD: Abbvie: C; Allergan, Inc.: C,L; Avedro, Inc.: C; Dompé: C; EyeVance: C; Invirsa, Inc.: C; Novartis, Alcon Pharmaceuticals: C,L; Ocular Therapeutix: C; PRN Physician Recommended Nutraceuticals: C; Trefoil Pharmaceuticals: C

Albert M Maguire MD: Foundation Fighting Blindness: S; Nightstar: S; Novartis Pharma AG: C; REGENXBIO Inc: C,S; Spark Therapeutics: C,S

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; EyePoint: 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; Slack Publishing: C,P; Sun Pharma: C,L; Sydnexis: C,O; TearLab: C

Santosh Kumar Mahapatra, MS: None;

Tamer H Mahmoud MD: Aldeyra Therapeutics: S; Hoffman La Roche, Ltd.: S; National Eye Institute: S; Novartis Pharma AG: S; Vortex: P

Ahad Mahootchi MD: Allergan, Inc.: C,L; Bausch+Lomb: C,L; ImprimisRx: C; IRIDEX: C,L; Ivantis: C; New World Medical Inc: C

Andre Maia, MD: None;

Mauricio Maia MD: None;

Parag A Majmudar MD: Alcon Laboratories, Inc.: C; Bausch Lomb: C; CXL Ophthalmics LLC: O; Dompe: C; EyeVance: O,C; Kala Pharmaceuticals: C; Novaliq: C; Novartis Pharma AG: C; Rapid Pathogen Screening: O; Sun Pharma: C

Susan M Malinowski MD: EyeQue, Inc: C

Andrew Maller MBA: None;

Amanda C Maltry, MD: None;

Boris Malyugin MD PhD: Alcon Laboratories, Inc.: 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; Medicon: S; Merck & Co., Inc.: S; Mynosys: S; Omega: S; PerfectLens: C,S; Physiol: S; PowerVision: S; QURA, Inc.: S; Zeiss: S

Edward E Manche MD: Alcon Laboratories, Inc.: S; Allergan: S; Avedro: C,S; Best Doctors, Inc.: C; Carl Zeiss Inc: C,S; Guidepoint: C; Johnson & Johnson Vision: C,S; Ocular Therapeutix: S; Placid0, INC: O; Presbia, Inc.: S; RxSight: O; Vacu-Site: O,P

Anil K Mandal MD: None;

David B. Mandell, MBA: None;

Mark J Mannis MD: None;

Steven L Mansberger MD MPH: Allergan: S; National Eye Institute: S; Nicox: C; THEA: C

Joanne Mansour, OCSR: Regeneron Pharmaceuticals, Inc.: L

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

Iason S Mantagos, MD: None;

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

Marcus M Marcet MD: None;

Milica Margeta, MD, PHD: None;

Todd P Margolis MD PhD: GlaxoSmithKline: C; Ocugen: C; Rational Vaccines: O; RPB: S

Michael F Marmor MD: None;

Brian P Marr MD: AURA: C; CASTEL BIOSCIENCE: C; IMMUNICORE: C

Joseph N Martel MD: None;

Daniel F Martin MD: None;

Elizabeth A Martin, MD: None;

Jose Agustin Martinez MD: Advantix: S; GENENTECH: S; Ionis Pharmaceuticals: S; Iveric Bio: S; Novartis, Alcon Pharmaceuticals: S; Regeneron Pharmaceuticals, Inc.: L,S; Santen, Inc.: S

Arman Mashayekhi MD: None;

Samuel Masket MD: Alcon Laboratories, Inc.: C; CAPSULaser: C,O; Haag-Streit: C,P; Mask-It Eye Patch: O; Morcher GmbH: P; Ocular Science: C,O; Ocular Therapeutix: C,O

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

Mina Massaro-Giordano MD: Advantix: O; Dompe: C; Lynthera: C; oyster point: O; PRN Physician Recommended Nutraceuticals: O

Christina L Master, MD: None;

Miguel A Materin MD: Carl Zeiss Meditec: L; Castle Bioscience: C; Ideaya Biosciences: C

Raj K Maturi MD: aerpio: S; AlciMed: S; Allegro: C,S; Allergan: S; Boehringer-Ingelheim: S; dorc: C; Eli Lilly: S; GENENTECH: S; Graybug: S; kalvista: S; Ribomic: S; samsung: S; Santen: S

Emmanouil Mavrikakis, MD, PHD: None;

Louise A Mawn MD: Horizon: C

Eduardo P Mayorga, MD: None;

Cosimo Mazzotta MD PHD: None;

Cathleen M McCabe MD: Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L,S; Allergan: C,S; Bausch Lomb: C,L; EyePoint Pharmaceuticals: C,L,S; Glaukos Corporation: L,S; Ivantis: L,O,S,C; Johnson & Johnson Vision: S; Novartis Pharma AG: C,L; Ocular Innovations: C,O; Ocular Therapeutix: C,L,S; Omeros: C,L; Ora, Inc.: S; Sight Sciences, Inc.: C; Sun Ophthalmics: C,L; Zeiss: L,C

Colin A McCannel MD: DORC International, bv/Dutch Ophthalmic, USA: C,L; GENENTECH: S

Tara A McCannel MD: None;

Collin M McClelland MD: Horizon Therapeutics: C

Peter J McCluskey MD: AbbVie: C,L; Allergan: C; Carl Zeiss Meditec: S; Novartis Pharmaceuticals Corporation: L; Santen, Inc.: L

Emily A McCourt, MD: None;

Michael S McCracken MD: None;

Timothy J McCulley MD: None;

H. Richard McDonald, MD: Alcon Laboratories, Inc.: S; Carl Zeiss Meditec: S; Kodiak Sciences Inc.: C; Regeneron Pharmaceuticals, Inc.: S

Marguerite B McDonald MD: Akorn Inc.: C; Alcon Laboratories, Inc.: C; Allergan: C; Bausch+Lomb: C; Bio-Tissue, Inc.: C; BlephEx: C; Dompe: C; GlaxoSmithKline: C; Johnson & Johnson Vision: C; Novartis: C; Oculus, Inc.: C; OCuSOFT, Inc.: C; ORCA Surgical: C; Sun Ophthalmics: C



Craig A McKeown MD: None;

Stephen D McLeod, MD: None;

Brian D McMillan, MD: Aerie: C; Allergan, Inc.: C

Norman B Medow MD FACS: None;

Jodhbir S Mehta, MBBS, PHD: None;

Sonul Mehta MD: None;

Frances Meier-Gibbons MD: Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L; Allergan, Inc.: C,L; Glaukos Corporation: L; Heidelberg Engineering: L; Novartis, Alcon Pharmaceuticals: C,L; Santen, Inc.: L; THEA: L

Robert F Melendez, MD, MBA: Social Media Page Creators: O

Annal D Meleth MD: Allergan, Inc.: C; Eyepoint: C

Jill S Melicher Larson MD: SLACK: P; Unifeye Vision Partners: O

Pauline T Merrill MD: Alimera Sciences, Inc.: C,S; Covalent: O; Eyepoint: C; GENENTECH: L; Gilead Sciences: S; Lumenis Vision: C,S; National Eye Institute: S; OMIC-Ophthalmic Mutual Insurance Company: C; Santen, Inc.: C,S

Carsten H Meyer MD: None;

Shahzad I Mian, MD: Centrasight: S; National Eye Institute: S

Michel Michaelides, MD: 2CTech: C; Acucela: C; MeiraGTx: C,O; Stargazer Pharmaceuticals: C

William F Mieler, MD: None;

Hayley Miller, BS: None;

Joan W Miller MD: Genentech/Roche: C; Kalvista Pharmaceuticals: C; Lowy Medical Research Institute, Ltd.: S; ONL Therapeutics, LLC: C,O,P; Sunovion: C; Valeant Pharmaceuticals: P

John B Miller MD: Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Carl Zeiss Meditec: C; Heidelberg Engineering: L; sunovion: C

Kevin M Miller MD: Alcon Laboratories, Inc.: C; Johnson & Johnson Vision: C

Neil R Miller MD: Elsevier: P; Quark Pharmaceuticals: C; Regenera: C; Wolters Kluwer: P

Tatyana Milman, MD: None;

Virginia M Miraldi Utz, MD: Retrophin: S

Kamiar Mireskandari, MBCHB, PHD: Santen, Inc.: C

Robert A Mittra MD: None;

Heather Modjesky, COE: None;

Bobek S Modjtahedi, MD: GENENTECH: S

Elad Moisseiev, MD: None;

Susan P Mollan MBCHB: Invex therapeutics: C; Neurodiem: C

Elizabeth Monroe, MA: BSM Consulting: C,O

Jose R Montes MD: Allergan: C,L,O,S; Galderma: C,L; Merz: C,L,S; Revance: C,L; SkinCeuticals: C,L

Virgilio Morales-Canton MD: Alcon Laboratories, Inc.: C; Bayer Healthcare Pharmaceuticals: C; DORC International, bv/Dutch Ophthalmic, USA: C,L; Novartis Pharmaceuticals Corporation: L

Ian Morgan, PHD: Essilor Instruments: C

Sayoko E Moroi MD PhD: Wolters Kluwer Health: P

David G Morrison MD: Regeneron Pharmaceuticals, Inc.: S

Christie L Morse, MD: AAPOS EVP: S; OMIC: C

Andrew A Moshfeghi MD, MBA: Allergan: C; GENENTECH: C,S; Graybug: C; Novartis Pharma AG: C,S; Ocular Therapeutix: C,O; OptiSTENT: C,O; Placid0, Inc: O; Pr3vent: C,O; Regeneron Pharmaceuticals, Inc.: C,S

Darius M Moshfeghi MD: 1800Contacts: C; Akceso Advisors AG: C; Alexion Pharmaceuticals: C; Bayer Healthcare Pharmaceuticals: C; CME Outfitters.com: C; dSenz, Inc: C,O; GENENTECH: S; Grand Legend Technology, LTD: O; Iconic Therapeutics, Inc: C; Irenix: C; Linc, Inc.: O; M3 Global Research, Inc.: C; Northwell Health: L; novartis: C; Ocular Surgery News: C; Pr3vent: O; Praxis UNS, Inc.: C; Prime Medical Education: C; Promisight, Inc: C,O; Pykus: C,O; Regeneron Pharmaceuticals, Inc.: C; Retina Today/Pentavision: C; Shapiro Law Group: C; SLACK: C; University of Miami: L; Versl, Inc: O; vindico: L; Visunex Medical Systems, Co. Ltd: C,O

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

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

Magdy S Moussa MD MBBCh: None;

Prithvi Mruthyunjaya MD: Aura: C; Castle Biosciences Inc: C

Lucy I Mudie, MD: None;



Ritika Mullick, MBBS: None;

Rajeev H Muni MD: Allergan: C,S; Bayer Healthcare Pharmaceuticals: C,S; Novartis, Alcon Pharmaceuticals: C,S

Marion Ronit Munk, MD, PHD: Allergan: L; Bayer: S,C; Gensight Therapeutics: C; Helbling: C; Isarna Therapeutics: C; Lumithera: C; Novartis: L,C; Zeiss: L,C

Ann P Murchison, MD MPH: GlaxoSmithKline: S; Merck & Co., Inc.: C

Timothy G Murray, MD MBA: None;

Jonathan S Myers MD: Aerie: C,L,S; Allergan, Inc.: C,L,S; Diopsys, Inc.: S; Glaukos Corporation: C,S; Haag-Streit Group: S; MicroOptx: C; Nicox: S; Olleyes: C,S; Santen, Inc.: S

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

N

Vaibhav Amar Nagpal, MBBS: None;

Steven M Naids, MD: Allergan, Inc.: C; Bausch + Lomb: L; Eyevance: C

Toru Nakazawa MD PHD: Canon Inc.: S; Daiichi-Sankyo Co.,Ltd.: S; Kowa Co.,Ltd.: S; Nidek Co.,Ltd.: S; Rohto Pharmaceutical Co.,Ltd.: S; Santen Pharmaceutical Co.,Ltd.: C,L,S; Senju Pharmaceutical Co.,Ltd.: C,L,S; Tomey Corporation: S; Topcon Corp.: S; Wakamoto Pharmaceutical Co.,Ltd.: S

Priya Narang MS: None;

Ashiyana Nariani, MD, MPH: None;

Orwa Nasser, MD: None;

Sundaram Natarajan MD: None;

Jerzy Nawrocki MD PhD: None;

Arvind Neelakantan MD: Aerie Pharmaceuticals, Inc.: C,L; Allergan, Inc.: L; Bausch + Lomb: L

Sarah M Nehls MD: None;

Christine C Nelson MD: Horizon: C

Peter Andreas Netland MD PhD: PTC Therapeutics: S

Nancy J Newman MD: Chiesi: C; Gensight: C,S; National Eye Institute: S; NeuroPhoenix: C; Santhera: S; Stealth: C

Paula Anne Newman-Casey MD: None;

Angeline M Nguyen, MD: None;

Huy V Nguyen, MD: None;

John Nguyen MD: None;

Lilian Nguyen, MD: None;

Quan Dong Nguyen MD: AbbVie: C; Asclepix: C; Bayer Healthcare Pharmaceuticals: C; EyePoint: C; GENENTECH: C; Gilead Sciences: S; Mallinckrodt Pharmaceuticals: C; Regeneron Pharmaceuticals, Inc.: C; Santen, Inc.: C

Quang H Nguyen MD: Alcon Laboratories, Inc.: C,L; Allergan: L; Bausch+Lomb: C,L; Glaukos Corporation: C,L; Ivantis: C; Novartis Pharmaceuticals Corporation: C,L; Sight Sciences, Inc.: C,L

Nina Ni, MD: None;

John H Niffenegger MD FACS: None;

Lisa Nijm MD, JD: Akorn, Inc.: C; Allergan: C; Bruder Healthcare Company: C; EyePoint: C; Kala: C,L; LacriScience, LLC: C; MD Negotiation.com: O; Novartis, Alcon Pharmaceuticals: C,L; Ocular Therapeutix: C; Omeros Corporation: C; zeiss: C

Kanwal K Nischal MBBS: NEVAKAR: C; Zeiss: L

Santaro Noguchi, MD: None;

Kouros Nouri-Mahdavi MD: Aerie Pharmaceuticals, Inc.: C; Heidelberg Engineering: L,S

Rudy Nuijts MD: Alcon Laboratories, Inc.: C,L,S; Carl Zeiss Meditec: S; Johnson & Johnson: S; OPHTEC: L

Maria X Nunez MD: Alcon Laboratories, Inc.: C,L; Ziemer Ophthalmics AG: C

O

Julius T Oatts, MD: None;

Stephen A Obstbaum MD: None;

Thomas A Oetting MD: None;

Kyoko Ohno-Matsui MD: Bayer Healthcare Pharmaceuticals: C; Santen, Inc.: C



Toshihiko Ohta, MD: None;

Annabelle A Okada MD: Abbvie: C; Alcon Pharma Japan: L; Allergan Japan: L; Astellas Japan: C; Bayer Healthcare Pharmaceuticals: C; Bayer Japan: L,S; Chugai Pharmaceutical Co., Ltd.: C; Daiichi-Sankyo: C; Hemera Biosciences: O; Mitsubishi Tanabe Pharma: S; Novartis Pharma Japan: C,L,S; Novartis Pharmaceuticals Corporation: C; Otsuka Pharmaceutical Co., Ltd.: L; Santen, Inc.: L,S; Senju Pharmaceutical Co.,Ltd.: C

Armando L Oliver MD: Allergan: L; Bristol-Myers-Squibb: O

Carol Olvera: None;

Tushya Omparkash, MBBS, MS: None;

Tyler D Oostra, MD: None;

Anton Orlin MD: Allergan: C; GENENTECH: C

Stephen E Orlin MD: None;

Robert H Osher MD: Bausch & Lomb Surgical: C; Beaver-Visitec International, Inc.: C; Carl Zeiss Meditec: C; EyePoint Pharmaceuticals: C; Microsurgical Technology: C; Omeros: C; SLACK: C; Video Journal of Cataract & Refrac Surg: O

Yvonne Ou MD: Zordera: C

J Matthew Owens, ESQ: None;

Sengul C Ozdek MD: Bayer Healthcare Pharmaceuticals: C; Novartis, Alcon Pharmaceuticals: C

P

Kirk H Packo MD: Alcon Laboratories, Inc.: C; Allergan: S; Covalent Medical: O; US Retina: O

Kaivon Pakzad-Vaezi, MD: None;

Ana Gabriela Palis MD: None;

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

David J Palmer MD: None;

Florentino E Palmon MD: None;

Carolyn K Pan MD: Prescient Surgical: P,O

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

Seth M Pantanelli, MD: Alcon Laboratories, Inc.: L; Bausch + Lomb: C; Carl Zeiss Meditec: C,L

Athanasios Papakostas, MD: Alcon Laboratories, Inc.: C

Alessandro Papayannis: None;

Regine S Pappas MD: Aerie Pharmaceuticals, Inc.: L

Alberto Pappo, MD: Bayer: C; Debbio: C; LOXO Boehringer Ingelheim: C; MERCK: C

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

Lisa Park MD: None;

Sung Chul Park, MD: None;

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: GENENTECH: C; Vortex Surgical: P

Gregory D Parkhurst MD: Alcon Laboratories, Inc.: C; Johnson & Johnson Vision: C,L; STAAR Surgical: C,L; Zeiss Meditec: C,L

Richard K Parrish II MD: Aerie: C,O; Alimera Sciences: O; American Journal of Ophthalmology: C; Horus Ophthalmics, Inc: C,O

Alpa S Patel MD: None;

Purnima S Patel MD: None;

Sanjay V Patel, MD, FRCOphth: GlaxoSmithKline: C; Santen, Inc.: C; Senju Pharmaceutical Co.,Ltd.: C

Sapna Patel, MD: Merck & Co., Inc.: L

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

Paula E Pecen, MD: None;

David E Pelayes MD: Topcon Medical Systems Inc.: C

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

Kathryn L Pepple, MD, PHD: National Eye Institute: S

Victor L Perez MD: Alcon Laboratories, Inc.: C,S; Aurina: C; Duke Eye Center: S; Eyegate Pharma: C,O; HanAll: C; Kala: C;



National Eye Institute: S; Novaliq: C; novartis: C; Quidel: C; Trefoil: C,O

Jeff H Pettey, MD, MBA: None;

Margaret L Pfeiffer, MD: None;

Stephen C Pflugfelder MD: Allergan: C,S; Immuneyez: O; Kala: C; Kowa: C; Santen: S; Senju: C

Debra L Phairas: None;

Randal T Pham MD FACS: Novartis Pharma AG: S; Vision Care Inc.: C

Paul H Phillips MD: None;

Valerio Piccirillo, MD, PHD: None;

Francesco Pichi, MD: None;

Dante Pieramici MD: adverum: C,S; apellis: S; gemini: C,S; GENENTECH: C,S; greybug: S; IONIS: S; KODIAC: S; NGM: S; Novartis Pharma AG: C,S; OPHTHEA: S; Regeneron Pharmaceuticals, Inc.: C,S; REGENX BIO: C,S; Stealth: S

Stacy L Pineles MD: None;

Matteo Piovella MD: Acufocus, Inc.: L; Beaver-Visitec International, Inc.: L; Carl Zeiss Meditec: C,L; Johnson & Johnson Vision: C,L; TearScience: L,C

Stephanie Lynn Pisano, OD: None;

Renelle Pointdujour Lim, MD: None;

John S Pollack MD: Aldeyra: S; Allergan, Inc.: C; Covalent Medical: O; DORC International, bv/Dutch Ophthalmic, USA: C; GENENTECH: C,S; Graybug: C; jCyte: C; Neurotech Pharmaceuticals, Inc.: E,O; Notal Vision, Inc.: C,O; Regeneron Pharmaceuticals, Inc.: C; REGENXBIO: C; Santen: C; Vestrum Health: O

Howard D Pomeranz MD PhD: None;

Marilyn Ponder, DBA: None;

Heather A D Potter MD: None;

Aditya Pradhan, MBBS: Santen, Inc.: L

S. Grace Prakalapakorn, MD, MPH: Sanofi: C

Gaurav Prakash, FRCS, MBBS: None;

Krishna Prasad: None;

Pradeep S Prasad, MD: Alimera Sciences, Inc.: C; Allergan, Inc.: S; GENENTECH: C

Jonathan L Prenner MD: Alcon Laboratories, Inc.: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C

Christina R Prescott MD: Johnson & Johnson Vision: C

Francis W Price Jr MD: Aerie Pharmaceuticals, Inc.: S; Alcon Laboratories, Inc.: C; Allergan, Inc.: S; EyePoint Pharmaceuticals: C; Gebauer: C; Haag-Streit: C; RxSight: O; STAAR Surgical: C; Strathspey Crown, LLC: O

Siegfried Priglinger MD: None;

Jose S Pulido MD MS: Lagen: O,P

Karim G Punja MD: Alcon Canada Inc.: C; Allergan: C; Clarion Medical Technologies: C

Fairooz Puthiyapurayil Manjandavida, MD: None;

Q

Ann V Quan, MD: None;

Giuseppe Querques, MD: Alimera Sciences, Inc.: C; Allergan: C; Amgen: C; Bayer Healthcare Pharmaceuticals: C; Centervue, Inc.: C; Heidelberg Engineering: C; Hoffman La Roche, Ltd.: C; KBH: C; Novartis Pharmaceuticals Corporation: C; Sandoz: C; Sooft/Fidia: C; Topcon Medical Systems Inc.: C; Zeiss: C

Peter A Quiros MD: regenera: S; RPB: S

R

Aleksandra V Rachitskaya MD: Alcon Laboratories, Inc.: C; Allergan: C; Novartis Pharma AG: L; Zeiss: C

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; CATS: C,O; Ellex: C,L; Equinox: C,O; Eyepoint: 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; Omeros Corporation: C; Reichert, Inc.: C,L; Santen, Inc.: C; Shire: C; Sight Sciences: C; THEA: C; ViaLase: C

Sunita Radhakrishnan MD: Netra Systems, Inc: C,O

Ehsan Rahimy, MD: Allergan: C; Apellis: C; Carl Zeiss Inc: C; Google: C; Regeneron Pharmaceuticals, Inc.: C,L

Fatemeh Rajaii MD: Horizon: C,O



Mohan Rajan MD MBBS: None;

Leela V Raju MD: Allergan: C; RPS: O

Muralidhar Ramappa, MD: None;

Jean E Ramsey, MD, MPH: None;

J. Bradley Randleman MD: None;

Naveen K Rao, MD: Parexel: C; W.L. Gore Corporation: C

Prethy Rao, MD: Vortex Surgical: P

Sara Burns Rapuano, MBA, OCS: None;

Suryasnata Rath FRCS: Springer Publications: P

S R Rathinam, MBBS, PHD: None;

Russell W Read, MD, PHD: None;

Ronald Luke Rebenitsch, MD: Carl Zeiss Meditec: C; FDA Ophthalmic Devices Committee: C; LENSAR: L; STAAR Surgical: L

Harika Regani, MD: None;

Carl D Regillo MD FACS: Adverum: C,S; Alcon Laboratories, Inc.: C,S; Allergan: C,S; GENENTECH: C,S; Kodiak: C,S; Merck & Co., Inc.: C; Notal Vision, Inc.: C,S; Novartis Pharmaceuticals Corporation: C,S; Regeneron Pharmaceuticals, Inc.: S

Max Reiboldt: None;

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, MBBS: None;

Kourous Rezaei MD: Alcon Laboratories, Inc.: C; BMC: C; IVERIC bio: E,O

Douglas J Rhee MD: Aeris: C,L,O; Alcon Laboratories, Inc.: C; Allergan, Inc.: C,S; Bausch + Lomb: L; Glaukos Corporation: S; Ivantis: S,C,L; Ocular Therapeutix: C

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; Animal Eye Institute: C; Aniridia Foundation International: C; Bausch + Lomb: C,L; BMC / Eyetube: C; Clovernook Center for the Blind and Visually Impaired: C; CSTLII: 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; Lineage/BioTime: C,S; 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

Lana M Rifkin, MD: Abbvie: L; Bausch + Lomb: C; Eyepoint: C

Pukhraj P Rishi, MD: None;

Robert Ritch MD FACS: C-MER: C; Diopsys, Inc.: C; Emerald Bioscience Inc.: C; Glauconix, Inc.: C; Guardion Health Sciences: C,P; Intelon Optics: C; Ocular Instruments, Inc.: P; Sanoculis: C; Sensimed: C; Xoma: C

Allison E Rizzuti, MD: None;

Jose A Roca, MD: Alcon: L; Allergan: L; Quantel: L

Eduardo B Rodrigues MD: None;

Sarah Hilkert Rodriguez, MD: None;

Kelsey Andrea Roelofs, MD: None;

Prin Rojanapongpun, MD: Alcon Laboratories, Inc.: C,L; Allergan: C,L; Carl Zeiss Inc: L; Hoya: S; Johnson & Johnson Vision: L; Santen, Inc.: C,L; SwissMed: L

Maria S Romero, MD: None;

Daniel B Rootman MD MSc: horizon: C

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

Jullia A Rosdahl, MD PHD: Locus Biosciences: E

Jennifer R Rose-Nussbaumer MD: None;

Richard B Rosen MD: Astellas: C; Boehringer Ingelheim: C; CellView: C; GENENTECH: S; Guardion Health: C,O; Nano Retina: C; OD-OS: C; Opticology: O; Optovue: C,P; Regeneron Pharmaceuticals, Inc.: C; Teva: C

Eric D Rosenberg, DO: Alcon Laboratories, Inc.: C; Glaukos Corporation: C

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

Robin D Ross, MD, MPH: Horizon Therapeutics: C; Modernizing Medicine: C



Andres M Rousselot Ascarza, MD: None;
Jonathan B Rubenstein MD: Novartis, Alcon Pharmaceuticals: C
Steven E Rubin MD: None;
Tina Rutar MD: Sydnexis: S
Paul Joseph Rychwalski MD: None;

S

Bernhard Sabel, MD: SAVIR GmbH: O,C
Srinivas R Sada MD: 4DMT: C; Allergan: C; Amgen: C; Carl Zeiss Meditec: C,S; Centervue: C; GENENTECH: C; Heidelberg Engineering: C,L,S; Merck & Co., Inc.: C; Nidek: L; Novartis Pharma AG: C,L; Optos, Inc.: C; Regeneron Pharmaceuticals, Inc.: C; ThromboGenics, Inc.: C; Topcon Medical Systems Inc.: L
Alfredo A Sadun, MD, PHD: Gensight: S; Stealth Bio: S
Hajirah N Saeed, MD: None;
Steven G Safran MD: Bausch + Lomb: L; Ellman, A Cynosure Company: C; Johnson & Johnson: L
Mandeep S Sagoo MBBChir PhD: None;
Dalia Said, MD: None;
Arvind Saini, MD, MBA: None;
Sarwat Salim, MD: Aerie Pharmaceuticals, Inc.: C,L; Bausch + Lomb: L
Ahmed A Sallam MBBCh: None;
Raminder K Saluja MD: AMPS: L; BTL: L; Cartessa: L,C; Cynosure, Inc.: C,L
John R Samples MD: Aerie Pharmaceuticals, Inc.: L; aleyegn: C,P; Allergan, Inc.: C,L; Bausch + Lomb: C,L; Eyegenetix: C,P; Kugler Publications: C; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: C,L; SLACK Incorporated: C,L
Brian C Samuels MD, PhD: None;
Thomas W Samuelson MD: Aerie Pharmaceuticals: C; Alcon Surgical: C; AMO (Abbott Medical Optics): C; AqueSys/Allergan: C; Bausch & Lomb/Valeant: C; Belkin Laser Inc.: C; Equinox: C,O; Glaukos Corporation: C; Ivantis: C,O; Ocuphire: C; Santen: C; Shire: C; Sight Sciences, Inc.: C,O; TearClear: C,O
Reginald J Sanders MD: Allergan, Inc.: C
Virender S Sangwan MBBS: None;
Marcony R Santhiago, MD: Alcon Laboratories, Inc.: C,L; ziemer: C
Steven R Sarkisian, MD: Alcon Laboratories, Inc.: C,L,S; Allergan: C,L,S; Bausch + Lomb: C,L; Beaver-Visitec International, Inc.: C; Glaukos Corporation: C,S; Katena Products, Inc.: C; Ocular Science: C,O; Omeros: C; Santen, Inc.: C; Sight Sciences, Inc.: C,O,S
David Sarraf MD: Amgen: C; Bayer Healthcare Pharmaceuticals: L; GENENTECH: C,S; Heidelberg Engineering: S; Novartis Pharmaceuticals Corporation: L; Optovue: C,S,L; Regeneron Pharmaceuticals, Inc.: S; Topcon Medical Systems Inc.: S
Erika B Saucedo-Sanchez MD: None;
Lydia Sauer, MD: Novartis Pharma AG: C; Tesseract: C
Aaron M Savar MD: None;
Louis Savar MD: None;
Giacomo Savini: Alcon Laboratories, Inc.: C; Carl Zeiss Meditec: L; Oculus, Inc.: L
Seang-Mei Saw MBBS PHD: None;
Mohamed Sayed Kamel Sayed MD: None;
Richard L Scawn MBBS: None;
Shlomit Schaal MD, PhD: None;
Julie M Schallhorn, MD: Carl Zeiss Meditec: C; Long Bridge: O; Stroma: O; Vanda: C
Amy C Scheffler MD: Allergan: C; Aura Biosciences: S,C; Castle Biosciences: S,C; GENENTECH: C,S; Regeneron Pharmaceuticals, Inc.: S
Adam J Scheiner MD: Sciton: C,L
Dianne M Schlachter MD: Horizon Therapeutics: L,C
Ursula M Schmidt-Erfurth MD: GENENTECH: C; Heidelberg Engineering: C; Kodiak: C; Novartis Pharma AG: C; RetInSight: C; Roche Diagnostics: C
Etienne Schonbach MD: Foundation Fighting Blindness: S; German Academy of Sciences Leopoldina: S
Jeffrey S Schultz MD: None;
Joel S Schuman MD: Aerie Pharmaceuticals, Inc.: C; BrightFocus Foundation: S; Carl Zeiss Meditec: P; National Eye Institute: S;



Ocugenix: O,P; Ocular Therapeutix, Inc.: C; Opticent: C,O; SLACK Incorporated: C
Gary S Schwartz MD: Associated Eye Care Holding Company, PLLC: O; Associated Eye Care Partners, LLC: O
Steven D Schwartz MD: Astellas: S; Broad Center for Regenerative Medicine, UCLA: S; California Institute of Regenerative Medicine: S; Nidek, Inc.: S; Nikon: S; University of California at Los Angeles: E; Verana Health: O
Adrienne Williams Scott MD: Allergan: C; GENENTECH: C; Novartis Pharma AG: C
Jonathan E Sears MD: None;
Johanna M Seddon MD: Gemini Therapeutics: O; THEA: C
Leonard K Seibold MD: New World Medical Inc: C; Sensimed: C
Theo Guenter Seiler, MD: None;
Theo Seiler MD PhD: None;
William Seiple PhD: None;
Gerami D Seitzman MD: dompe: C
Harathy Selvan Jr MD: None;
Hatice N Sen MD: None;
Mrittika Sen, MD: None;
Janet B Serle MD: Aerie Pharmaceuticals, Inc.: C,L; Allergan, Inc.: C; Bausch + Lomb: C,L; Qlaris: C
Pete Setabutr MD: None;
Ankoo R Shah MD: Novartis Pharma AG: C; Ocular Therapeutix: C
Ankoo S Shah MD, PhD: Medtronic: O; Pfizer, Inc.: O; Rebiscan, LLC: P
Avni A Shah, MD: None;
Chirag P Shah MD MPH: Alcon Laboratories, Inc.: S; Ellex: S; GENENTECH: S; National Eye Institute: S; Regeneron Pharmaceuticals, Inc.: S
Gaurav K Shah MD: Allergan, Inc.: C,S,L; DORC International: S; OMIC-Ophthalmic Mutual Insurance Company: C; Regeneron Pharmaceuticals, Inc.: C,L,S
Hassan A Shah MD: None;
Manjool M Shah, MD: Allergan: C; Glaukos Corporation: C; Katena Products, Inc: C
Rupal S Shah MD: Carl Zeiss Meditec: C
Akbar Shakoor MD: None;
H. John Shamma, MD: Alcon Laboratories, Inc.: S
Jessica G Shantha, MD: None;
Shakeel R Shareef MD: None;
Namrata Sharma MD MBBS: None;
Sanjita Sharma, 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
Claire A Sheldon MD PhD: None;
Joanne F Shen MD: National Eye Institute: S
Arsham Sheybani, MD: Allergan, Inc.: C; Glaukos Corporation: C; Ivantis: C; Santen, Inc.: C
Christine Shieh, MD: None;
Carol L Shields MD: Aura Biosciences Inc and Immunocore Inc: C
Jerry A Shields MD: None;
Kenneth S Shindler MD PhD: FM Kirby Foundation: S; National Eye Institute: S; Noveome Biotherapeutics, Inc.: C,S; RPB: S; UpToDate: P
Eric J Shiuey, MS: None;
Neal H Shorstein MD: None;
Erin M Shriver MD: None;
Roni M Shtein MD: None;
Aakriti Garg Shukla, MD: Allergan, Inc.: S
R Michael Siatkowski MD: National Eye Institute: S
Paul A Sidoti MD: None;



Jakob Siedlecki, MD: Allergan, Inc.: L,C; Bayer Healthcare Pharmaceuticals: C; Carl Zeiss Meditec: L; Novartis Pharma AG: L,C

Carla J Siegfried MD: Allergan, Inc.: C; National Eye Institute: S

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: Alcon Laboratories, Inc.: S; Alkeus: S; Allergan, Inc.: S; Apellis: S; Chengdu: S; GENENTECH: S; National Eye Institute: S; Novartis, Alcon Pharmaceuticals: S; Roche: S

Ankur singh Sr MBBS MS: None;

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

Jasleen K Singh, MD: None;

Kuldev Singh MD MPH: 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 Pharma AG: C; Ocular Therapeutix, Inc.: C; Oculus: C; Radiance Therapeutics: C; Regenexbio: C; Santen, Inc.: C; Sight Sciences, Inc.: C; Thieme Medical Publishers: C; U.S. Food and Drug Administration: C,S

Rishi P Singh MD: Apellis: S; Bausch + Lomb: C; GENENTECH: C; Novartis: C; Ophthea: C; Optos, Inc.: C; Regeneron Pharmaceuticals, Inc.: C; Zeiss: C

Simar R Singh, MBBS: None;

Rajesh Sinha, MD, FRCS: None;

Shivaji Sisinthy, Sr, ScD: None;

Jennifer A. Sivak, MD: None;

Sobha Sivaprasad MBBS FRCS: Apellis: C; Bayer Healthcare Pharmaceuticals: C,L,S; boehringer Ingelheim: C; Heidelberg Engineering: C; Novartis Pharma AG: C,L; oculis: C; Optos, Inc.: C,S

Alison H Skalet MD PhD: American Association for Cancer Research, Ocular Melanoma Foundation: S; Castle Biosciences: C; Immunocore: C; Medical Research Foundation: S; melanoma research foundation: S

Dimitra Skondra MD: Alimera Sciences, Inc.: C; Allergan, Inc.: C; Biogen Inc: C

Stephen G Slade MD FACS: alcon: C; Glaukos: C; J&J: C; RxSight: O; Zeiss: C

Bradley T. Smith, MD: None;

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

Oluwatosin U Smith MD: Aerie Pharmaceuticals, Inc.: C,L; Allergan Medical Affairs: C; Allergan: C,L,S; Bausch + Lomb: L,C; Glaukos Corporation: C; IRIDEX: C; New World Medical Inc: C

R Theodore Smith MD: Astellas: C; macregen: C,O

Wendy M Smith MD: None;

Scott R Sneed 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; Physiol: S; VEO Ophthalmics: O; W. L. Gore: C

Rachel K Sobel MD: None;

Lucia Sobrin MD: Novartis: C

Elliott H Sohn MD: None;

Jason A Sokol MD: Horizon: C

Igors Solomatins, COE: None;

Sharon D Solomon MD: None;

Alfred Sommer MD MHS: None;

Malhar Soni, MD MS DNB FRCS: None;

Priyanka Sood MD: None;

Sarkis H Soukiasian MD: None;

Richard F Spaide MD: Bayer Healthcare Pharmaceuticals: C; DORC International, bv/Dutch Ophthalmic, USA: P; GENENTECH: C; Heidelberg Engineering: C; Regeneron Pharmaceuticals, Inc.: C; Roche Diagnostics: C; 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

Jayanth S Sridhar, MD: Alcon Laboratories, Inc.: C; Allergan, Inc.: C; DORC International, bv/Dutch Ophthalmic, USA: C; Regeneron Pharmaceuticals, Inc.: C

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

Sathish Srinivasan, MBBS: AcuFocus, Inc.: C; Alcon Laboratories, Inc.: C; Bausch Lomb: C; DORC International, bv/Dutch Ophthalmic, USA: C; Medicontur: C; Scope Ophthalmics: C; THEA: L



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

Andrew W Stacey, MD: Immunocore: C

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

Jason E Stahl MD: None;

Paulo E Stanga MD: Apellis: S,C; Canon Medical Systems Europe: S,C; Carl Zeiss Meditec AG: C,L,S; Gyroscope Therapeutics Limited: C,S; IvericBio: C,S; Keeler Instruments, Inc.: C,S; Lumithera: S,C; Maculogix: S; Optos plc: C,L,S; Quantel Medical: S,C

Giovanni Staurenghi MD: Abbvie: C; Apellis: C; Astellas: C; Bayer Healthcare Pharmaceuticals: C; Boehringer: C; Carl Zeiss Meditec: L,S; Centervue: C,L,S; Chengdu Kanghong Biotechnology Co: C; GENENTECH: C; Heidelberg Engineering: C,L,S; Hoffman La Roche, Ltd.: C,L,S; Kyoto Drug Discovery & Development Co: C; Nidek, Inc.: L,S; Novartis Pharmaceuticals Corporation: C,L,S; Ocular Instruments Inc: P; Optos, Inc.: C,S; Optovue, Inc.: S; Quantel Medical: S

Walter A Steigleman, MD: None;

Joshua D Stein, MD, MS: None;

Kimberly E Stepien MD: AGTC: S; atsena: C; Foundation Fighting Blindness: S; nightstar: C,S; Spotlight Therapeutics: C

Paul Sternberg Jr., MD: Bridgebio: C; Diabetic Retinopathy Clinical Research Network: C; International Retinal Research Foundation: C

Aleksandar Stojanovic MD: None;

Donald Stone MD: None;

Diego Strianese, MD, PHD: None;

Yi Ning Strube MS, MD, FRCSC: American Academy of Pediatrics: P; Oxford University Press, Springer Publishing: P; Santen, Inc.: C

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

Donny Won Suh, MD: NIH: S

Eric B Suhler, MD, MPH: AbbVie: C,L,S; EyePoint (pSivida): C,S; EyevenSys: C,S; Gilead Sciences: C,S

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; Novartis Pharmaceuticals Corporation: C; Novo Nordisk: C,S; Optovue: S; Roche: C,S

Gangadhara J K Sundar, MBBS: None;

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

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

Zeba A Syed, MD: Bio-Tissue, Inc.: L

T

Geoffrey C Tabin MD: None;

Ramin Tadayoni, MD, PHD: Alcon Laboratories, Inc.: C; Allergan: C; Bausch + Lomb: C; Bayer Healthcare Pharmaceuticals: C; Carl Zeiss Meditec: C; Chibret International: C; GENENTECH: C; Hoffman La Roche, Ltd.: C; MORIA: C; Novartis, Alcon Pharmaceuticals: C; Oculis: C; ThromboGenics, Inc.: C

Katherine E Talcott, MD: GENENTECH: C; zeiss: S

Audrey R Talley Rostov, MD: Alcon Laboratories, Inc.: C; Allergan: C,L; Avedro, Inc.: C; Bausch + Lomb: C; CorneaGen: L; Dompe: C; EyeVance: C; Kala: C; LENSAR: C; Sightlife: C,S; SUN: C; Zeiss: C

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

Madhura A Tamhankar MD: None;

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

George H Tanaka MD: Aerie Pharmaceuticals, Inc.: L; Allergan: C,L; Sight Sciences, Inc.: L

Radhika Tandon, MD: None;

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

Marie Jose Tassignon, MD: Morcher GmbH: P; THEA: L; Zimmer: C

James D N Taylor MD: None;

Nasrin N Tehrani MBBCh: Abbvie: L



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

Celso Tello MD: None;

Christopher C Teng MD: None;

Hiroko Terasaki MD: Abbvie: L; Alcon Japan: L,S; AMO: L,S; Bayer Healthcare Pharmaceuticals: L,S; Carl Zeiss Meditec: L,C; Kowa: L,S; Novartis Pharma AG: S,L; Otsuka: L,S; Santen: L,S; Senju: L,S; Wakamoto: L,S

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; Novartis Pharmaceuticals (HK) Ltd: C; Pfizer, Inc.: C,L,S; Santen Pharmaceutical Co., Ltd.: C,L,S; Sensimed: C,S

Cassandra Lee Thiel, PHD: Stryker Corp/Medical Division: C

John T Thompson MD: EHR Command Center, LLC: O; GENENTECH: S; Ocutrx Vision Technologies, LLC: O; Opthea: S

Lisa S Thompson MD: None;

Vance Michael Thompson MD: AcuFocus, Inc.: C,L,O; Alcon Laboratories, Inc.: C,L; Allergan: C; Allotex: C,O; Avellino Labs: C,O; Bausch+Lomb: C; BRIM Biotechnology, Inc: C; C.S.O. Srl: C; Carl Zeiss Inc: C; Conitac: C,O; Equinox: C,O; Euclid Systems: C,L,O; Expert Opinion: C,O; eyeBrain Medical Inc: C,O; Eyedetec: C,O; Eyegate Pharma: C,O; Forsight Robotics: C,O; Glaukos Corporation: C,L; Healthe: C,L,O; Imprimis: C; iVeena: C,O; Johnson & Johnson Vision: C,L; Melt Pharmaceuticals: C,O; Mynosys: C,L,O; Novaliq: C; Ocular Innovations: C,O; OneFocus: C; OPHTEC: C; ORA: C; Oyster Point Pharma: C,O; Percept: C,O; Precision Lens: C; Refocus Group: C; RxSight: C,O; Sight Sciences, Inc.: C,O; Stuart Therapeutics: C,O; Tarsus Rx: C,O; TearClear: C,O; TherOptix: C,O; ThruFocus: C; Treehouse Health: C,O; Veracity: C,O; Viewpoint Therapeutics: C; Visant: C,O; Visiometrics, S.L.: C; Vivior AG: C,O

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; Novartis Pharma AG: C

Richard Tipperman MD: Alcon Laboratories, Inc.: C

Andrew Tirsi, MD: Diopsys, Inc.: S

Jeewan S Titiyal MD: None;

Andrea A Tooley, MD: None;

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

Jose L Tovilla-Canales, MD: None;

Justin H Townsend, MD: None;

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

Danielle Trief, MD: None;

Karmen M Trzupek MS: AGTC: C; Editas Medicine: C; Foundation Fighting Blindness: C; InformedDNA: E

James C Tsai, MD, MBA: EyeNovia: C; ReNetX Bio: C

Linda M Tsai MD: None;

Edmund Tsui, MD: Kowa Company, Ltd: S

Irena Tsui MD: Alimera Sciences, Inc.: C

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

William R Tucker, BMBS: Allergan, Inc.: L

Sonal S Tuli MD: None;

Lawrence Tychsen MD: None;

U

Madhu Uddaraju MS: None;

Harvey S Uy MD: Alcon Laboratories, Inc.: L; Allergan: C,L,S; Bayer Healthcare Pharmaceuticals: L; Infinite Vision Optics: S; LensAR: L,S; Novartis Pharmaceuticals Corporation: C,L

V

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; DORC International, bv/Dutch Ophthalmic, USA: C; Evolve medical education: L; GENENTECH: C; Heidelberg Engineering: S; Orbit Biomedical Inc.: C,S; Second Sight Medical Products, Inc.: S



Russell N Van Gelder MD PhD: None;
Woodford S Van Meter MD FACS: None;
Gregory P Van Stavern MD: None;
Sarah Van Tassel, MD: Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C; Equinox: C; New World Medical Inc: C
Murugesan Vanathi, MD: None;
Brian L VanderBeek MD MPH: National Eye Institute: S
Deborah K VanderVeen MD: OPHTEC: S; Retrophin: S
Michael S Vaphiades DO: None;
Devesh K Varma MD: Aerie Pharmaceuticals, Inc.: C; Allergan, Inc.: C,L; Bausch + Lomb: C; Glaukos Corporation: C; Johnson & Johnson Vision: C,L; Latician Ophthalmics Inc: C,L; Novartis, Alcon Pharmaceuticals: C,L,S; Santen, Inc.: C; Vizzario: C,O
Abhay Raghukant Vasavada MBBS FRCS: Alcon Laboratories, Inc.: S
Daniel V Vasconcelos-Santos MD PhD: None;
Demetrios Vavvas MD: OliX: C; VALITOR: O
Federico G Velez MD: Luminopia: S; Nevakar: C; Novartis: C
Swapna Vemuri MD: None;
Rengaraj Venkatesh, MBBS: None;
Nandini Venkateswaran, MD: None;
David D Verdier MD: None;
Sue J Vicchilli, COT, OCS, OCSR: None;
Ana Carolina Victoria MD: Candela Medical: C
Kateki Vinod, MD: None;
Gianni Virgili, MD: None;
Sunny Virmani: Google Inc, LLC: E,O
Albert T Vitale MD: Hoffman La Roche, Ltd.: C
Nicholas J Volpe MD: Ophthotech: C; Opticent Inc.: O
Robin A Vora MD: None;
John Allan Vukich MD: Acufocus, Inc.: C; Carl Zeiss Inc: C; Johnson & Johnson: C; STAAR Surgical: C

W

Katrin Wacker, MD: ProQR Therapeutics: C
Maureen Waddle, MBA: BSM Consulting: C
Michelle Wagner, COA: None;
Nadia Khalida Waheed MD: Alkahest: C; Bayer Healthcare Pharmaceuticals: S; Carl Zeiss Meditec: C,S; GENENTECH: C; Gyroscope: E,O; Heidelberg Engineering: C; Nidek, Inc.: S; Ocudyne: O; Regeneron Pharmaceuticals, Inc.: C,S; Topcon Medical Systems Inc.: C
David K Wallace MD MPH: FocusROP: P; National Eye Institute: S
Avi Wallerstein MD: None;
Kelly Walton Muir MD: None;
Jenny Wang, MD: None;
Jing Wang MD: Allergan: C; Latician Ophthalmics, Inc.: L; Santen, Inc.: L
Min Wang MD: None;
Ningli Wang, MD: None;
Nattawut Wanumkarng MD: None;
George O Waring IV MD: ACE Vision: C; Acufocus, Inc.: C,L; Alcon Laboratories, Inc.: C,L; Allergan: C,L; Allotex: C; Avedro: C,L; Bausch Lomb: C,L; GlassesOff: C; Glaukos Corporation: C,L; Ivantis: C; Johnson & Johnson Vision: C,L; novartis: C; Oculus, Inc.: C,L; Omega Ophthalmics: C; Omeros: C; OptoQuest: C; Perfect Lens, LLC: C; Refocus Group, Inc.: C; Riechert: C; Shire: C; Sight Sciences, Inc.: C; SRD Vision: C; Strathpey Crown: O; Visiometrics: C,O; Zepto: C
Alison H Watson, MD: None;
Evan L Waxman MD PhD: None;
Daniel T Weaver MD: None;
Eric D Weber MD: None;



Matthew C Weed, MD: None;

Mitchell P Weikert MD: Alcon Laboratories, Inc.: C; Bausch + Lomb: C

Natalie C Weil, MD: None;

Ezekiel Weis MD: None;

Robert W Weisenthal MD: None;

Sarah Brown Weissbart, MD: None;

Brian A Welcome MD: Allergan, Inc.: L; BlueCross/BlueShield of South Carolina: C

Sarah Wellik MD: None;

John A Wells III MD: Adverum: C,S; GENENTECH: C,S; Iveric: S; Jaeb Center for Health Research: C,S; National Eye Institute: S; Neurotech: S; Optos, Inc.: S; Regeneron: S

Joanne C Wen MD: None;

Christina Y Weng, MD, MBA: Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan: C; DORC International, bv/Dutch Ophthalmic, USA: C; Novartis Pharma AG: C; Regeneron Pharmaceuticals, Inc.: C; REGENXBIO: C

Sara T Wester MD: Horizon Therapeutics: C

Jeffrey Whitman MD OCS: Alcon Laboratories, Inc.: C; Allergan, Inc.: C; Bausch Lomb: C,L; Beaver-Visitec International, Inc.: C; eyepoint pharmaceuticals: C; Glaukos: C; Ivantis: C; Johnson & Johnson Vision: C; STAAR Surgical: C,L

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

David F Williams MD: Covalent: O; Vestrum Health: O

George A Williams, MD: None;

Ruth D Williams, MD: None;

David J Wilson MD: None;

Matthew W Wilson MD: None;

Edward J Wladis MD: Bausch+Lomb: C; FuzeHub: S; Horizon Therapeutics: C,L; Johnson & Johnson: C; Lions Eye Foundation: S; Patent 62/332,690: P; Praxis Biotechnology: O; Valeant: C

Meraf A Wolle, MD: None;

Edmund Y M Wong MBBS: None;

Keye L Wong, MD: None;

Nathan J Wong MBBS: None;

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

Tien Yin Wong MBBS: Allergan Singapore Pte Ltd: C,L; Allergan, Inc.: C,L; Bayer Healthcare Company Limited: C,L,S; Bayer Healthcare Pharmaceuticals Inc.: C,L,S; Boehringer-Ingelheim: C; EyRIS Pte Ltd: O; GENENTECH: C,L,S; Merck & Co., Inc.: C; Novartis Pharma AG: C,L,S; Oxurion NV: C; Plano Pte Ltd: O; Roche Diagnostics: C,L,S; Samsung Bioepis: C,L

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

Martha M Wright MD: None;

Gloria Wu MD: None;

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

Pei-Chang Wu, MD, PHD: None;

Tamara Wygnanski-Jaffe MD: Go Check Kids: C; NovaSight: C

Charles C Wykoff, MD, PhD: Acucela: C; Adverum Biotechnologies: C,S; Aerie Pharmaceuticals, Inc.: S; Alcon Laboratories, Inc.: C; Aldeyra: S; Alimera Sciences, Inc.: C; Allergan: C; Apellis Pharmaceuticals: C,S; Arctic Vision: C; Bausch + Lomb: C; Bayer Healthcare Pharmaceuticals: C; Bionic Vision Technologies: C; Boehringer Ingelheim: S; Chengdu Kanghong: C,S; Clearside Biomedical, Inc: C,S; Dutch Ophthalmic Research Center International: C; Gemini Therapeutics: S; GENENTECH: C,S; Graybug Vision: S; Gyroscope: C,S; IONIS Pharmaceuticals: S; Iveric Bio (formerly Ophthotech): C,S; Kodiak Sciences: C,S; LMRI: S; Merck & Co., Inc.: C; Neurotech: S; NGM Biopharmaceuticals: C,S; Novartis Pharmaceuticals Corporation: C,S; OccuRx: C; ONL Therapeutic: C; Opthea: C,S; Outlook Therapeutics: S; Oxurion: C; Palatin: C; PolyPhotonix: C; RecensMedical: C,S; Regeneron Pharmaceuticals, Inc.: C,L,S; Regenxbio: C,S; Roche: C,S; Santen, Inc.: S; Senju Pharmaceutical Co.,Ltd.: S; Taiwan Liposome Company: S; Takeda: C; Thea Open Innovation: C; Verana Health: C; Xbrane Biopharma: S



Y

Tetsuya Yamamoto MD: Aerie Pharmaceuticals, Inc.: C; Alcon Laboratories, Inc.: C,L,S; Alcon Pharma: C,L; Allergan, Inc.: C; Astellas: C; Glaukos Corporation: C; Johnson & Johnson: L; Kowa: C,L; Novartis Pharmaceuticals Corporation: L; Otsuka: C,L,S; Pfizer, Inc.: C,L,S; pH Pharma Co.: C; Rohto Pharmaceutical Co.: C; Santen, Inc.: L,S; Seed: C; Senju: C,L,S

Paul Yang MD PHD: AGTC: C; Nanoscope Therapeutics: C

Nicolas Yannuzzi, 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

Vivian T Yin, MD, MPH: Seattle Genetics: C

Glenn C Yiu, MD, PHD: Alimera Sciences, Inc.: C; Allergan: C; Carl Zeiss Meditec: L; Clearside Biomedical: S; GENENTECH: C; IRIDEX: L,S; Verily: C

Jithin Yohannan, MD: None;

Yoshihiro Yonekawa, MD: Alcon Laboratories, Inc.: C; Alimera Sciences, Inc.: C; Allergan, Inc.: C; GENENTECH: C

David K Yoo MD: None;

Michael K. Yoon MD: Horizon Pharmaceuticals: C

Young Hee Yoon, MD: Alcon Laboratories, Inc.: C,L; Allergan: C,L,S; Bayer Healthcare Pharmaceuticals: C,L,S; Novartis Pharma AG: S,C; Roche Diagnostics: C,S,L

Terri L Young, MD, MBA: Aerpio Pharmaceuticals: C

Siamak Yousefi, PHD: National Eye Institute: S

Seung Young Yu, MD, PHD: Allergan, Inc.: S; Bayer Healthcare Pharmaceuticals: S; Carl Zeiss Meditec: C,S; Heidelberg Engineering: C; Novartis Pharma AG: C

Patrick Yu-Wai-Man, FRCOphth, MBBS, PHD: GenSight Biologics: C,S

Z

David N Zacks MD PhD: ONL Therapeutics: C,O,P

Gerald W Zaidman MD FACS: None;

Roger Zaldivar, MD: AcuFocus, Inc.: C; Johnson & Johnson: C; oculentis: C; PhysiOL sa: C; ZEISS: C

Tatiana S Zanganeh, MD: None;

Marco A Zarbin MD PhD FACS: Aerie Pharmaceuticals, Inc.: S; Cell Cure: C; Chengdu Kanghong Biotechnology: C; Coherus Biosciences: C; Daiichi Sankyo: C; Frequency Therapeutics: C,O; GENENTECH: C; Helios, KK: C; Hoffman La Roche, Ltd.: C; Iduna Therapeutics: C; IRIDEX: C,L; Isarna Therapeutics: C; Iveric bio: C,O; Makindus: C,O; Novartis, Alcon Pharmaceuticals: C,L; NVasc: O; Ophthotech Corporation: C; Perfuse Therapeutics: C; Rutgers University: P

Michael E Zegans MD: MedImmune: S; National Eye Institute: S

Wadih M Zein MD: None;

Sandy X Zhang-Nunes MD: Horizon Therapeutics: C

Manfred Zierhut MD: None;

Martin Zinkernagel, MD: Bayer Healthcare Pharmaceuticals: C,S; Novartis Pharma AG: C,O

Sandrine Zweifel, MD: Bayer Healthcare Pharmaceuticals: C,S; Novartis Pharma AG: C,S; Roche Diagnostics: C