



Mark S. Blumenkranz, MD, MMS

H. J. Smead Professor of Ophthalmology, Emeritus

 Curriculum Vitae available Online

CONTACT INFORMATION

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Bio

BIO

Mark S. Blumenkranz, M.D., MMS, is HJ Smead Professor Emeritus in the Department of Ophthalmology at Stanford University. He received his Undergraduate, Master's degree in Biochemical Pharmacology, and MD at Brown, his ophthalmic residency at Stanford and a fellowship in vitreoretinal diseases at the Bascom Palmer Eye Institute where he was appointed a member of the faculty in 1980. In 1985 he founded the Retinal Fellowship Training Program at the William Beaumont Eye Institute. He returned to Stanford in 1992 as head of the vitreoretinal service served as Department Chair from 1997 until 2015. He played a leading role in the planning, fundraising and construction of the Byers Eye Institute at Stanford and served as founding Director from its opening in September 2010 through June 2015.

He has served on the Editorial Boards of The American Journal of Ophthalmology, Retina, Ophthalmology, and Graefe's Archives for Ophthalmology. He is a past President of the American University Professors of Ophthalmology (AUPO), and a past President of the Retina Society and the Macula Society. He was a past member of the Steering Committee of the Audacious Goals Initiative of the NEI, and was a Trustee and Fellow of the Corporation of Brown University from 2002 until 2019 where he was the Chair of the Corporation Medical School Committee for eleven years. Dr. Blumenkranz was an early innovator in vitrectomy techniques to treat complex forms of retinal detachment, and helped to usher in the modern era of intravitreal and surgical adjuvant drug therapy with laboratory and clinical studies identifying 5- fluorouracil and low molecular weight heparin as potent agents to inhibit ocular scarring. He was a member of the group that first reported the herpetic etiology and successful acyclovir treatment of acute retinal necrosis, the use of bioerodible polymers to deliver intraocular steroids for macular edema and published the first human safety study of ranibizumab (Lucentis) and gene therapy based anti-VEGF therapy for age related macular degeneration.

He has published more than one hundred and sixty papers in peer-reviewed journals and multiple book chapters, abstracts and patents in the field.

Dr. Blumenkranz has a longstanding interest and expertise in university corporate technology transfer. He was a Director and principal trial designer at Oculex Pharmaceuticals who were acquired by Allergan in 2003. He served as a co-founder, Director and Chairman of the SAB of Macusight, an ophthalmic pharmaceutical company, acquired by Santen in 2010. He was a founder and director of Peak Surgical, an innovator in pulsed plasma mediated electro-surgery that was acquired by Medtronic in 2011. In 2004 he co-founded Optimedica Corporation for which he co-wrote the foundational IP for the PASCAL and Catalys lasers, and which was acquired by AMO. In 2006 he co-founded and served as Chairman of the Board of Adverum Biotechnologies (ADVM:NASDAQ) until October 2016. He was a co-founder and director of Oculeve, a dry eye company which was acquired

by Allergan in August of 2015. He was a founder and served as a Director of Verana Health (formerly Digisight Technologies) a digital medicine and health analytics company from 2009 until 2020. He served as the founding Chairman of Kedalion Therapeutics an ophthalmic drug delivery company from 2015 until 2022, and CEO from 2019 until 2022, when it was acquired by Novartis AG. He served as the founding Chairman of Combango Inc, prior to its acquisition by Kala Therapeutics. . He currently serves as a director BVI Visitec, an ophthalmic surgical company, RetiNova Therapeutics, Pr3vent, Peripherex and CCOI which he co-founded. He previously served on the Board of One Medical (ONEM:NASDAQ), Iveric Bio (ISEE:NASDAQ) and Kala Therapeutics (KALA:NASDAQ)

ACADEMIC APPOINTMENTS

- Emeritus Faculty - University Medical Line, Ophthalmology
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- HJ Smead Professor Emeritus, Stanford University School of Medicine, (2017- present)
- Director of Ophthalmic Innovation Program, Stanford University School of Medicine, (2015-2017)
- Founding Director, Byers Eye Institute at Stanford University, (2010-2015)
- HJ Smead Professor of Ophthalmology, Stanford University School of Medicine - Ophthalmology, (2007-2017)
- Chairman of Department of Ophthalmology, Stanford University School of Medicine, (1997-2015)
- Clinical Professor of Ophthalmology, Stanford University School of Medicine, (1992-1997)
- Head Vitreoretinal Service, Stanford University School of Medicine, (1992-1997)

HONORS AND AWARDS

- Albion Walter Hewlett Award, Stanford Medicine (2019)
- Guest of Honor, American Academy of Ophthalmology (2019)
- WW Keen Award, Warren Alpert School of Medicine Brown University (2019)
- Lifetime Innovator Award, OIS (2017)
- The Gass Award Lecture, The Retina Society (2016)
- The Wacker Prize Lecture, The Club Jules Gonin (2016)
- Charles Schepens Award Lecture, American Academy of Ophthalmology (2014)
- Edward Jackson Memorial Award Lecture, American Academy of Ophthalmology (2013)
- Kreissig Award Lecture, Euretina (2013)
- The Visionary Award, Foundation Fighting Blindness (2009)
- The Life Achievement Honor Award, The American Academy of Ophthalmology (2008)
- The Ruth Sauber Distinguished Medical Alumni Award Lecture, Brown University (2008)
- The Gertrude Pyron Award for Outstanding Achievement in Retina Research, The American Society of Retinal Specialists (2005)
- Senior Honor Award, American Academy of Ophthalmology (2004)
- The Rosenthal Foundation Award in Visual Science, The Rosenthal Foundation (1992)
- The Heed Society Award, The Heed Society (1988)
- The Special Manpower Award, Research to Prevent Blindness (1982)
- Alpha Omega Alpha Scientific Honor Society Award, Brown University (1975/2011)
- Sigma Xi Scientific Honor Society, Brown University (1975)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Steering Committee, Audacious Goals Initiative NEI/NIH (2015 - present)
- Member and Fellow, Association for Research in Visual Science and Ophthalmology (2014 - present)
- Past President, Macula Society (2011 - 2012)
- Past President, Retina Society (2010 - 2011)
- Past President, American University Professors of Ophthalmology (AUPO) (2009 - 2009)
- Fellow, Brown University (2008 - present)
- Member Board of Directors, Macula Society (2006 - 2014)
- Member of Board of Directors, Retina Society (2006 - 2010)
- Board Member, American University of Professors (AUPO) (2004 - 2009)
- Chairman Medical School Committee, Brown Corporation (2003 - present)
- Past Member Editorial Board, American Journal of Ophthalmology (2002 - 2008)
- Trustee, Brown University (2002 - 2008)
- Member, American University of Professors (AUPO) (1997 - 2015)
- Member of Editorial Board, Retina (1992 - present)
- Past Member Editorial Board, Graefe's Archives of Ophthalmology (1992 - 1996)
- Member, Macula Society (1987 - present)
- Member, Club Jules Gonin (1986 - present)
- Member, Retina Society (1984 - present)
- Member, American Academy of Ophthalmology (1981 - present)

PROFESSIONAL EDUCATION

- AB, Brown University , Biology (1972)
- MD, Brown University , Medicine (1975)
- MMS, Brown University , Biochemical Pharmacology (1976)
- Internship, Stanford University , Surgery (1976)
- Fellowship, Bascom Palmer Eye Institute , Vitreoretinal Surgery (1980)

LINKS

- Schepens Lecture: Digital Medicine Implications for Retina and Beyond: https://www.youtube.com/watch?v=_aXOSKQBD74&spfreload=10
- Jackson Lecture: The Evolution of Laser Therapy in Ophthalmology/A Review of the interactions between photons, patients, physicians, and physicists: https://www.youtube.com/watch?v=-m_BUvqcFFc&t=928s&spfreload=10
- Gass Lecture: The Search for a Successful Treatment for Macular Degeneration with Gene Therapy Techniques: https://www.youtube.com/watch?v=T83xNwR1i_M&t=184s&spfreload=10

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Clinical Interest and Research

My primary areas of interest are in the diagnosis, medical and surgical treatment of vitreal retinal diseases. These principally include age-related macular degeneration and other diseases of the macula, and tractional syndromes, diabetic retinopathy, and complex forms of retinal detachment. I have been interested in the development of novel technology to diagnose and treat these diseases, including new forms of imaging, laser delivery systems, other

microsurgical tools, and new drugs and drug delivery systems that inhibit new blood vessel growth, scarring and intraocular inflammation. I have been actively involved in translational research in the laboratory as well as technology transfer associated with that research for a variety of new therapies that have received FDA clearance and been introduced into clinical practice over the past 30 years.

Administrative and Community Service

I have served on the Board of Directors of a variety of voluntary education and service organizations, including the Corporation of Brown University, multiple scientific advisory boards and various philanthropic and research organizations.

Publications

PUBLICATIONS

- **Artificial Intelligence for Retinopathy of Prematurity: Validation of a Vascular Severity Scale against International Expert Diagnosis.** *Ophthalmology*
Campbell, J. P., Chiang, M. F., Chen, J. S., Moshfeghi, D. M., Nudleman, E., Ruambivoonsuk, P., Cherwek, H., Cheung, C. Y., Singh, P., Kalpathy-Cramer, J., Ostmo, S., Eydelman, M., Chan, et al
2022
- **The Collaborative Community on Ophthalmic Imaging: Accelerating Global Innovation and Clinical Utility** *OPHTHALMOLOGY*
Blumenkranz, M. S., Tarver, M. E., Myung, D., Eydelman, M. B., Collaborative Community Ophthalmic
2022; 129 (2): E9-E13
- **A Smartphone-Based Near-Vision Testing System: Design, Accuracy, and Reproducibility Compared With Standard Clinical Measures** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Kim, D., Webel, A. D., Blumenkranz, M. S., Kim, Y., Yang, J., Yu, S., Kwak, H., Palanker, D., Toy, B., Myung, D.
2022; 53 (2): 79-84
- **Foundational Considerations for Artificial Intelligence Utilizing Ophthalmic Images.** *Ophthalmology*
Abramoff, M. D., Cunningham, B., Patel, B., Eydelman, M. B., Leng, T., Sakamoto, T., Blodi, B., Grenon, S. M., Wolf, R. M., Manrai, A. K., Ko, J. M., Chiang, M. F., Char, et al
2021
- **Comparison of Telemedicine Screening of Diabetic Retinopathy by Mydriatic Smartphone-Based vs Nonmydriatic Tabletop Camera-Based Fundus Imaging.** *Journal of vitreoretinal diseases*
Han, Y. S., Pathipati, M., Pan, C., Leung, L., Blumenkranz, M. S., Myung, D., Toy, B. C.
2021; 5 (3): 199-207
- **White Paper on Ophthalmic Imaging for Choroidal Nevus Identification and Transformation into Melanoma.** *Translational vision science & technology*
Shields, C. L., Lally, S. E., Dalvin, L. A., Sagoo, M. S., Pellegrini, M., Kaliki, S., Gündüz, A. K., Furuta, M., Mruthyunjaya, P., Fung, A. T., Duker, J. S., Selig, S. M., Yaghy, et al
2021; 10 (2): 24
- **White Paper on Ophthalmic Imaging for Choroidal Nevus Identification and Transformation into Melanoma** *TRANSLATIONAL VISION SCIENCE & TECHNOLOGY*
Shields, C. L., Lally, S. E., Dalvin, L. A., Sagoo, M. S., Pellegrini, M., Kaliki, S., Gunduz, A., Furuta, M., Mruthyunjaya, P., Fung, A. T., Duker, J. S., Selig, S. M., Yaghy, et al
2021; 10 (2)
- **Development, Validation, and Innovation in Ophthalmic Laser-Based Imaging: Report From a US Food and Drug Administration-Cosponsored Forum.** *JAMA ophthalmology*
Brodie, F., Repka, M., Burns, S. A., Prakalapakorn, S. G., Morse, C., Schuman, J. S., Duenas, M. R., Afshari, N., Pollack, J. S., Thorne, J. E., Vitale, A., Sen, H. N., Myung, et al
2020
- **Assessment of Eye Disease and Visual Impairment in the Nursing Home Population Using Mobile Health Technology** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Lai, K. Y., Pathipati, M. P., Blumenkranz, M. S., Leung, L., Moshfeghi, D. M., Toy, B. C., Myung, D.

2020; 51 (5): 262–70

- **Three-Year Follow-Up of Phase 1 and 2a rAAV.sFLT-1 Subretinal Gene Therapy Trials for Exudative Age-Related Macular Degeneration.** *American journal of ophthalmology*
Rakoczy, E. P., Magno, A. L., Lai, C., Pierce, C. M., Degli-Esposti, M. A., Blumenkranz, M. S., Constable, I. J.
2019; 204: 113–23
- **A novel device for secondary intraocular lens placement: Design and Ex Vivo Evaluation**
Buickians, D., Myung, D., Blumenkranz, M. S., Brodie, F.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Evaluating New Ophthalmic Digital Devices for Safety and Effectiveness in the Context of Rapid Technological Development.** *JAMA ophthalmology*
Bodnar, Z. M., Schuchard, R. n., Myung, D. n., Tarver, M. E., Blumenkranz, M. S., Afshari, N. A., Humayun, M. S., Morse, C. n., Nischal, K. n., Repka, M. X., Sprunger, D. n., Trese, M. n., Eydelman, et al
2019
- **Validity of the Red Reflex Exam in the Newborn Eye Screening Test Cohort.** *Ophthalmic surgery, lasers & imaging retina*
Ludwig, C. A., Callaway, N. F., Blumenkranz, M. S., Fredrick, D. R., Moshfeghi, D. M.
2018; 49 (2): 103–10
- **Laser for Vitreoretinal Diseases** *VITREORETINAL DISEASE: DIAGNOSIS, MANAGEMENT, AND CLINICAL PEARLS*
Paulus, Y. M., Blumenkranz, M. S.
edited by Scott, I. U., Regillo, C. D., Flynn, H. W., Brown, G. C.
2018: 576-596
- **Comparison of Pneumatic Retinopexy and Scleral Buckle for Primary Rhegmatogenous Retinal Detachment Repair** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Paulus, Y. M., Leung, L., Pilyugina, S., Blumenkranz, M. S.
2017; 48 (11): 887–93
- **Reply.** *Retina (Philadelphia, Pa.)*
He, L., Toy, B., Blumenkranz, M., Chang, R., Myung, D.
2017; 37 (6)
- **Safety and post hoc analysis of subretinal rAAV.sFLT-1 for wet age-related macular degeneration following a phase 2a randomized clinical trial**
Rakoczy, E. P., Lai, C., Magno, A., French, M., Butler, S., Barone, S., Schwartz, S. D., Blumenkranz, M., Degli-Esposti, M., Constable, I.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2017
- **Optical Coherence Tomography Profiles, Visual Acuity and Ranibizumab Usage During 3-Year Follow-Up in a rAAV.sFLT-1 Gene Therapy Clinical Trial for Wet Age-Related Macular Degeneration**
Lai, C., Magno, A. L., Barone, S. B., Schwartz, S. D., Blumenkranz, M. S., Constable, I. J., Rakoczy, E. P.
CELL PRESS.2017: 315
- **Engineered ligand-based VEGFR antagonists with increased receptor binding affinity more effectively inhibit angiogenesis.** *Bioengineering & translational medicine*
Kapur, S., Silverman, A. P., Ye, A. Z., Papo, N., Jindal, D., Blumenkranz, M. S., Cochran, J. R.
2017; 2 (1): 81-91
- **Gene Therapy in Neovascular Age-related Macular Degeneration: Three Year Follow-up of a Phase 1 Randomised Dose Escalation Trial.** *American journal of ophthalmology*
Constable, I. J., Lai, C., Magno, A. L., French, M. A., Barone, S. B., Schwartz, S. D., Blumenkranz, M. S., Degli-Esposti, M. A., Rakoczy, E. P.
2017
- **Phase 2a Randomized Clinical Trial: Safety and Post Hoc Analysis of Subretinal rAAV.sFLT-1 for Wet Age-related Macular Degeneration.** *EBioMedicine*
Constable, I. J., Pierce, C. M., Lai, C., Magno, A. L., Degli-Esposti, M. A., French, M. A., McAllister, I. L., Butler, S., Barone, S. B., Schwartz, S. D., Blumenkranz, M. S., Rakoczy, E. P.
2016; 14: 168-175

- **Association of serum neutralizing antibodies with safety and efficacy outcomes in a Phase 2a trial of rAAV.sFlt-1 in the treatment of wet AMD**
Rakoczy, E. P., Lai, C., Magno, A., French, M., Barone, S., Schwartz, S. D., Blumenkranz, M., Degli-Esposti, M., Constable, I. J.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2016
- **What colour are newborns' eyes? Prevalence of iris colour in the Newborn Eye Screening Test (NEST) study.** *Acta ophthalmologica*
Ludwig, C. A., Callaway, N. F., Fredrick, D. R., Blumenkranz, M. S., Moshfeghi, D. M.
2016; 94 (5): 485-488
- **Defining a Minimum Set of Standardized Patient-centered Outcome Measures for Macular Degeneration.** *American journal of ophthalmology*
Rodrigues, I. A., Sprinkhuizen, S. M., Barthelmes, D., Blumenkranz, M., Cheung, G., Haller, J., Johnston, R., Kim, R., Klaver, C., McKibbin, M., Ngh, N. F., Pershing, S., Shankar, et al
2016; 168: 1-12
- **Gene Therapy for Age-Related Macular Degeneration.** *Asia-Pacific journal of ophthalmology (Philadelphia, Pa.)*
Constable, I. J., Blumenkranz, M. S., Schwartz, S. D., Barone, S., Lai, C., Rakoczy, E. P.
2016; 5 (4): 300-303
- **Retinal and Optic Nerve Hemorrhages in the Newborn Infant: One-Year Results of the Newborn Eye Screen Test Study.** *Ophthalmology*
Callaway, N. F., Ludwig, C. A., Blumenkranz, M. S., Jones, J. M., Fredrick, D. R., Moshfeghi, D. M.
2016; 123 (5): 1043-1052
- **Results of a Phase 1 and 2a Trial on rAAV. sFlt-1 in Treatment of Wet Age-Related Macular Degeneration**
Lai, C., Magno, A. L., French, M. A., Barone, S. B., Schwartz, S. D., Blumenkranz, M. S., Degli-Esposti, M. A., Constable, I. J., Rakoczy, E. P.
NATURE PUBLISHING GROUP.2016: S97–S98
- **Retinal and Optic Nerve Hemorrhages in the Newborn Infant** *OPHTHALMOLOGY*
Callaway, N. F., Ludwig, C. A., Blumenkranz, M. S., Jones, J. M., Fredrick, D. R., Moshfeghi, D. M.
2016; 123 (5): 1043-1052
- **SMARTPHONE-BASED DILATED FUNDUS PHOTOGRAPHY AND NEAR VISUAL ACUITY TESTING AS INEXPENSIVE SCREENING TOOLS TO DETECT REFERRAL WARRANTED DIABETIC EYE DISEASE** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Toy, B. C., Myung, D. J., He, L., Pan, C. K., Chang, R. T., Polkinhome, A., Merrell, D., Foster, D., Blumenkranz, M. S.
2016; 36 (5): 1000-1008
- **AFLIBERCEPT FOR THE TREATMENT OF RETINAL PIGMENT EPITHELIAL DETACHMENTS.** *Retina (Philadelphia, Pa.)*
He, L., Silva, R. A., Moshfeghi, D. M., Blumenkranz, M. S., Leng, T.
2016; 36 (3): 492-498
- **Report on the National Eye Institute Audacious Goals Initiative: Regenerating the Optic Nerve.** *Investigative ophthalmology & visual science*
Goldberg, J. L., Guido, W., For The Agi Workshop Participants
2016; 57 (3): 1271-1275
- **Gene therapy with recombinant adeno-associated vectors for neovascular age-related macular degeneration: 1 year follow-up of a phase 1 randomised clinical trial** *LANCET*
Rakoczy, E. P., Lai, C., Magno, A. L., Wikstrom, M. E., French, M. A., Pierce, C. M., Schwartz, S. D., Blumenkranz, M. S., Chalberg, T. W., Degli-Esposti, M. A., Constable, I. J.
2015; 386 (10011): 2395-2403
- **One-year analysis of sFlt-1 and VEGF proteins and immunological markers in the bodily fluids of subjects participating in the Phase I rAAV.sFlt-1 trial**
Rakoczy, E. P., Lai, C., Magno, A., Wikstrom, M., French, M., Schwartz, S. D., Blumenkranz, M. S., Chalberg, T., Degli-Esposti, M., Constable, I. J.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015
- **Cost and Utility Analysis of Treatments for Macular Edema in Central Retinal Vein Occlusion**
Karth, P. A., Moshfeghi, D. M., Blumenkranz, M. S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015
- **Incidence and clinical characteristics of epiretinal membrane developing after posterior vitreous detachment**
Tan, G. S., Blumenkranz, M. S.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015

- **Baseline Data for Patients Participating in the Phase 2a rAAV.sFlt-1 Gene Therapy Trial for Exudative Age-Related Macular Degeneration**
Rakoczy, E. P., Lai, C., Magno, A. L., French, M. A., Chalberg, T. W., Schwartz, S. D., Blumenkranz, M. S., Constable, I. J.
NATURE PUBLISHING GROUP.2015: S156–S157
- **Serum Inflammatory Markers After Rupture Retinal Laser Injury in Mice** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Paulus, Y. M., Kuo, C., Morohoshi, K., Nugent, A., Zheng, L. L., Nomoto, H., Blumenkranz, M. S., Palanker, D., Ono, S. J.
2015; 46 (3): 362-368
- **INTRAVITREAL INJECTION TECHNIQUE AND MONITORING: Updated Guidelines of an Expert Panel.** *Retina (Philadelphia, Pa.)*
Avery, R. L., Bakri, S. J., Blumenkranz, M. S., Brucker, A. J., Cunningham, E. T., D'Amico, D. J., Dugel, P. U., Flynn, H. W., Freund, K. B., Haller, J. A., Jumper, J. M., Liebmann, J. M., McCannel, et al
2014; 34: S1-S18
- **The Evolution of Laser Therapy in Ophthalmology: A Perspective on the Interactions Between Photons, Patients, Physicians, and Physicists: The LXX Edward Jackson Memorial Lecture** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
Blumenkranz, M. S.
2014; 158 (1): 12-25
- **One Year Follow-Up Report on the rAAV.sFlt-1 Phase I Gene Therapy Trial for Exudative Age-Related Macular Degeneration**
Rakoczy, E. P., Lai, M., Magno, A. L., French, M., Chalberg, T., Blumenkranz, M., Schwartz, S. D., Constable, I. J.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2014
- **Reliability of Smartphone-Based Electronic Visual Acuity Testing: (Applications in Remote Monitoring and Clinical Research of Macular Pathology)**
Yu, S., Yang, J., Kim, Y., Kwak, H., Blumenkranz, M.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2014
- **RESULTS FROM A PHASE I/II CLINICAL TRIAL ON ANTI-VASCULAR ENDOTHELIAL GROWTH FACTOR GENE THERAPY IN PATIENTS WITH EXUDATIVE AGE-RELATED MACULAR DEGENERATION**
Lai, C., Magno, A., Pierce, C., Samulski, R. J., Chalberg, T. W., Blumenkranz, M. S., Constable, I. J., Rakoczy, E. P.
WILEY-BLACKWELL.2013: 319
- **Anti-VEGF Gene Therapy for Wet AMD: Safety and Tolerability of Subretinal Delivery in a Phase I/II Clinical Trial**
Constable, I., Pierce, C., Somasundaram, S., Lai, M., Chalberg, T., Blumenkranz, M., Samulski, R., Rakoczy, E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2013
- **Anti-VEGF Gene Therapy for Wet AMD: Phase I/II Safety and Pharmacology Results**
Rakoczy, E., Lai, M., Pierce, C., Magno, A., Samulski, R., Chalberg, T., Blumenkranz, M., Constable, I.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2013
- **Serum Autoantibody Evaluation after Retinal Laser Injury in Mice**
Paulus, Y., Kuo, C., Morohoshi, K., Nugent, A., Zheng, L., Nomoto, H., Blumenkranz, M., Palanker, D., Ono, S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2013
- **Herpes simplex virus type 2 mediated acute retinal necrosis in a pediatric population: case series and review** *GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY*
Silva, R. A., Berrocal, A. M., Moshfeghi, D. M., Blumenkranz, M. S., Sanislo, S., Davis, J. L.
2013; 251 (2): 559-566
- **Human histopathology of PASCAL laser burns.** *Eye (London, England)*
Paulus, Y. M., Kaur, K. n., Egbert, P. R., Blumenkranz, M. S., Moshfeghi, D. M.
2013
- **EFFECT OF INTRAVITREAL TRIAMCINOLONE ACETONIDE ON HEALING OF RETINAL PHOTOCOAGULATION LESIONS** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Nomoto, H., Lavinsky, D., Paulus, Y. M., Leung, L., Dalal, R., Blumenkranz, M. S., Palanker, D.
2013; 33 (1): 63-70
- **Panretinal Photocoagulation for Proliferative Diabetic Retinopathy** *AMERICAN JOURNAL OF OPHTHALMOLOGY*

- Palanker, D., Blumenkranz, M. S.
2012; 153 (4): 780-781
- **Longterm cultures of the aged human RPE do not maintain epithelial morphology and high transepithelial resistance** *GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY*
Stanzel, B. V., Blumenkranz, M. S., Binder, S., Marmor, M. F.
2012; 250 (2): 313-315
 - **Tennis partners.** *Retina (Philadelphia, Pa.)*
Flynn, H. W., Blumenkranz, M. S.
2012; 32: S12-4
 - **Macular infarction following intravitreal bevacizumab for treatment of central retinal vein occlusion.** *Ophthalmic surgery, lasers & imaging : the official journal of the International Society for Imaging in the Eye*
Leung, L. B., Silva, R. A., Blumenkranz, M. S., Flynn, H. W., Sanislo, S. R.
2012; 43: e73-9
 - **A Randomized, Dose-Escalation Study of Subconjunctival and Intravitreal Injections of Sirolimus in Patients with Diabetic Macular Edema** *OPHTHALMOLOGY*
Dugel, P. U., Blumenkranz, M. S., Haller, J. A., Williams, G. A., Solley, W. A., Kleinman, D. M., Naor, J.
2012; 119 (1): 124-131
 - **Fifty Years of Ophthalmic Laser Therapy** *ARCHIVES OF OPHTHALMOLOGY*
Palanker, D. V., Blumenkranz, M. S., Marmor, M. F.
2011; 129 (12): 1613-1619
 - **Dexamethasone intravitreal implant in patients with macular edema related to branch or central retinal vein occlusion twelve-month study results.** *Ophthalmology*
Haller, J. A., Bandello, F., Belfort, R., Blumenkranz, M. S., Gillies, M., Heier, J., Loewenstein, A., Yoon, Y. H., Jiao, J., Li, X., Whitcup, S. M., Li, J.
2011; 118 (12): 2453-2460
 - **Dexamethasone Intravitreal Implant in Patients with Macular Edema Related to Branch or Central Retinal Vein Occlusion** *OPHTHALMOLOGY*
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