

## Publications for Matthew Simunovic

### 2019

Simunovic, M., Shen, W., Lin, J., Protti, D., Lisowski, L., Gillies, M. (2019). Optogenetic approaches to vision restoration. *Experimental Eye Research*, 178, 15-26. <a href="http://dx.doi.org/10.1016/j.exer.2018.09.003">[More Information]</a>

Zagora, S., Chang, A., McCluskey, P., Simunovic, M., Ong, A., Te, N., Symes, R., Yates, W. (2019). Post-surgical versus post-intravitreal injection endophthalmitis: changing patterns in causative flora. *Clinical and Experimental Ophthalmology*, 47(1), 57-62. <a href="http://dx.doi.org/10.1111/ceo.13345">[More Information]</a>

Xue, K., Edwards, T., Meenik, H., Beelen, M., Naus, G., Simunovic, M., De Smet, M., MacLaren, R. (2019). Robot-Assisted Retinal Surgery: Overcoming Human Limitations. In Masahito Ohji (Eds.), *Surgical Retina*, (pp. 109-114). Singapore: Springer. <a href="http://dx.doi.org/10.1007/978-981-13-6214-9\_11">[More Information]</a>

### 2018

Edwards, T., Cottrill, C., Xue, K., Simunovic, M., Ramsden, J., Zrenner, E., MacLaren, R. (2018). Assessment of the Electronic Retinal Implant Alpha AMS in Restoring Vision to Blind Patients with End-Stage Retinitis Pigmentosa. *Ophthalmology*, 125(3), 432-443. <a href="http://dx.doi.org/10.1016/j.ophtha.2017.09.019">[More Information]</a>

Seitz, I., Jolly, J., Fischer, M., Simunovic, M. (2018). Colour discrimination ellipses in choroideremia. *Graefe's Archive for Clinical and Experimental Ophthalmology*, 256(4), 665-673. <a href="http://dx.doi.org/10.1007/s00417-018-3921-0">[More Information]</a>

Edwards, T., Xue, K., Meenink, H., Beelen, M., Naus, G., Simunovic, M., Latasiewicz, M., Farmery, A., De Smet, M., MacLaren, R. (2018). First-in-human study of the safety and viability of intraocular robotic surgery. *Nature Biomedical Engineering*, 2(9), 649-656. <a href="http://dx.doi.org/10.1038/s41551-018-0248-4">[More Information]</a>

Edwards, T., Williams, J., Patricio, M., Simunovic, M., Shanks, M., Clouston, P., MacLaren, R. (2018). Novel non-contiguous exon duplication in choroideremia. *Clinical Genetics*, 93(1), 144-148. <a href="http://dx.doi.org/10.1111/cge.13021">[More Information]</a>

### 2017

Simunovic, M., Xue, K., Jolly, J., MacLaren, R. (2017). Structural and Functional Recovery Following Limited Iatrogenic Macular Detachment for Retinal Gene Therapy. *JAMA Ophthalmology*, 135(3), 234-241. <a href="http://dx.doi.org/10.1001/jamaophthalmol.2016.5630">[More Information]</a>

Simunovic, M., Xue, K., MacLaren, R. (2017). Using Rho Kinase Inhibitors for Retinal Detachment: In Reply. *JAMA Ophthalmology*, 135(8), 895-896. <a href="http://dx.doi.org/10.1001/jamaophthalmol.2017.2283">[More Information]</a>

### 2016

Simunovic, M. (2016). Acquired Color Vision Deficiency. *Survey of Ophthalmology*, 61(2), 132-155. <a href="http://dx.doi.org/10.1016/j.survophthal.2015.11.004">[More Information]</a>

Fahim, A., Simunovic, M., Mammo, Z., Mitry, D., Pakzad-Vaezi, K., Bradley, P., Mahroo, O. (2016). Comparison of ophthalmic training in 6 English-speaking countries. *Canadian Journal of Ophthalmology*, 51(3), 212-218. <a href="http://dx.doi.org/10.1016/j.jcjo.2016.04.018">[More Information]</a>

Simunovic, M., Moore, A., MacLaren, R. (2016). Selective Automated Perimetry Under Photopic, Mesopic, and Scotopic Conditions: Detection Mechanisms and Testing Strategies. *Translational Vision Science and Technology*, 5(3), 1-13. <a href="http://dx.doi.org/10.1167/tvst.5.3.10">[More Information]</a>

Simunovic, M., Jolly, J., Xue, K., Edwards, T., Groppe, M., Downes, S., MacLaren, R. (2016). The Spectrum of CHM Gene Mutations in Choroideremia and Their Relationship to Clinical Phenotype. *Investigative Ophthalmology and Visual Science*, 57(14), 6033-6039. <a href="http://dx.doi.org/10.1167/iovs.16-20230">[More Information]</a>

Edwards, T., Jolly, J., Groppe, M., Barnard, A., Cottrill, C., Tolmachova, T., Black, G., Webster, A., Lotery, A., Simunovic, M., et al (2016). Visual Acuity after Retinal Gene Therapy for Choroideremia. *New England Journal of Medicine*, 374(20), 1996-1998.

### 2015

Simunovic, M., Maberley, D. (2015). Anti-Vascular Endothelial Growth Factor Therapy For Proliferative Diabetic Retinopathy: A Systematic Review and Meta-Analysis. *Retina*, 35(10), 1931-1942. <a href="http://dx.doi.org/10.1097/IAE.0000000000000723">[More Information]</a>

Simunovic, M. (2015). Metamorphosis and its quantification. *Retina*, 35(7), 1285-1291. <a href="http://dx.doi.org/10.1097/IAE.0000000000000581">[More Information]</a>

Simunovic, M., Thauang, C., da Cruz, L., Sagoo, M., Egan, C. (2015). Small cell carcinoma of the lung metastatic to the retina: A clinicopathologic case report. *Canadian Journal of Ophthalmology*, 50(6), e119-e121. <a href="http://dx.doi.org/10.1016/j.jcjo.2015.08.019">[More Information]</a>

### 2014

Simunovic, M. (2014). "The el greco fallacy" fallacy. *JAMA Ophthalmology*, 132(4), 491-494. <a href="http://dx.doi.org/10.1001/jamaophthalmol.2013.5684">[More Information]</a>

Rush, R., Simunovic, M., Sheth, S., Chang, A., Hunyor, A. (2014). 23-Gauge Pars Plana Vitrectomy Versus Scleral Buckling Versus Combined Pars Plana Vitrectomy-Scleral Buckling for Medium-Complexity Retinal Detachment Repair. *Asia-Pacific Journal of Ophthalmology*, 3(4), 215-219. <a href="http://dx.doi.org/10.1097/APO.000000000000013">[More Information]</a>

re Information]</a>

Simunovic, M., Maberley, D. (2014). Familial exudative vitreoretinopathy mimicking macular telangiectasia type 1. *Canadian Journal of Ophthalmology*, 49(1), e28-e30. <a href="http://dx.doi.org/10.1016/j.jcjo.2013.11.006">[More Information]</a>

Rush, R., Simunovic, M., Aragon, A., Ysasaga, J. (2014). Postoperative macular hole formation after vitrectomy with internal limiting membrane peeling for the treatment of epiretinal membrane. *Retina*, 34(5), 890-896. <a href="http://dx.doi.org/10.1097/IAE.000000000000034">[More Information]</a>

Rush, R., Simunovic, M., Vandiver, L., Aragon, A., Ysasaga, J. (2014). Treat-and-extend bevacizumab for neovascular age-related macular degeneration: The importance of Baseline Characteristics. *Retina*, 34(5), 846-852. <a href="http://dx.doi.org/10.1097/IAE.000000000000033">[More Information]</a>

Rush, R., Simunovic, M., Aragon, A., Ysasaga, J. (2014). Treat-and-extend intravitreal bevacizumab for branch retinal vein occlusion. *Ophthalmic Surgery, Lasers and Imaging Retina*, 45(3), 212-216. <a href="http://dx.doi.org/10.3928/23258160-20140404-01">[More Information]</a>

Simunovic, M., Hunyor, A., Ho, I. (2014). Vitrectomy for diabetic macular edema: a systematic review and meta-analysis. *Canadian Journal of Ophthalmology*, 49(2), 188-195. <a href="http://dx.doi.org/10.1016/j.jcjo.2013.11.012">[More Information]</a>

## 2013

Rush, R., Simunovic, M., Sheth, S., Kratz, A., Hunyor, A. (2013). Pars Plana Vitrectomy Versus Combined Pars Plana Vitrectomy-Scleral Buckle for Secondary Repair of Retinal Detachment. *Ophthalmic Surgery Lasers & Imaging*, 44(4), 374-379. <a href="http://dx.doi.org/10.3928/23258160-20130604-02">[More Information]</a>

Rush, R., Simunovic, M., Hunyor, A. (2013). Twenty-Three-Gauge Pars Plana Vitrectomy With Inferior Retinectomy and Postoperative Perfluoro-n-Octane Retention for Retinal Detachment Repair. *Asia-Pacific Journal of Ophthalmology*, 2, 232-236. <a href="http://dx.doi.org/10.1097/APO.0b013e31829e74b3">[More Information]</a>

## 2012

Simunovic, M. (2012). Dawbeney Turberville, MD (1612-1696). *Archives of Ophthalmology*, 130(3), 406-408. <a href="http://dx.doi.org/10.1001/archophthalmol.2011.1670">[More Information]</a>

Simunovic, M., Rush, R., Hunyor, A., Chang, A. (2012). Endophthalmitis following intravitreal injection versus endophthalmitis following cataract surgery: clinical features, causative organisms and post-treatment outcomes. *British Journal of Ophthalmology*, 96(6), 862-866. <a href="http://dx.doi.org/10.1136/bjophthalmol-2011-301439">[More Information]</a>

Simunovic, M. (2012). On seeing yellow: the case for, and against, short-wavelength light-absorbing intraocular lenses. *Archives of Ophthalmology*, 130(7), 919-926. <a href="http://dx.doi.org/10.1001/archophthalmol.2011.1642">[More Information]</a>

## 2011

Simunovic, M. (2011). Blue-blocking IOLs. *Ophthalmology*, 118(9), 1897-1898. <a href="http://dx.doi.org/10.1016/j.ophtha.2011.03.022">[More Information]</a>

href="http://dx.doi.org/10.1016/j.ophtha.2011.03.022">[More Information]</a>

## 2010

Simunovic, M. (2010). Colour vision deficiency. *Eye*, 24(5), 747-755. <a href="http://dx.doi.org/10.1038/eye.2009.251">[More Information]</a>

Hughes, E., Guzowski, M., Simunovic, M., Hunyor, A., McCluskey, P. (2010). Syphilitic retinitis and uveitis in HIV-positive adults. *Clinical and Experimental Ophthalmology*, 38(9), 851-856. <a href="http://dx.doi.org/10.1111/j.1442-9071.2010.02383.x">[More Information]</a>

## 2009

Simunovic, M., Hughes, E., Townend, B., Ho, I. (2009). Acute annular outer retinopathy with systemic symptoms [To the Editor]. *Eye*, 24(6), 1125-1126. <a href="http://dx.doi.org/10.1038/eye.2009.252">[More Information]</a>

## 2005

Michaelides, M., Johnson, S., Simunovic, M., Bradshaw, K., Holder, G., Mollon, J., Moore, A., Hunt, D. (2005). Blue cone monochromatism: a phenotype and genotype assessment with evidence of progressive loss of cone function in older individuals. *Eye*, 19(1), 2-10. <a href="http://dx.doi.org/10.1038/sj.eye.6701391">[More Information]</a>

Michaelides, M., Johnson, S., Bradshaw, K., Holder, G., Simunovic, M., Mollon, J., Moore, A., Hunt, D. (2005). X-Linked Cone Dysfunction Syndrome with Myopia and Protanopia. *Ophthalmology*, 112(8), 1448.e1-1448.e9. <a href="http://dx.doi.org/10.1016/j.ophtha.2005.02.021">[More Information]</a>

## 2004

Simunovic, M., Calver, R. (2004). Crowding under scotopic conditions. *Vision Research*, 44(10), 963-969. <a href="http://dx.doi.org/10.1016/j.visres.2003.11.019">[More Information]</a>

Simunovic, M., Cullerne, A., Colley, A., Wilson, T. (2004). How Well Does Color Perimetry Isolate Responses from Individual Cone Mechanisms? *Journal of Glaucoma*, 13(1), 22-27. <a href="http://dx.doi.org/10.1097/00061198-200402000-00005">[More Information]</a>