

Queensland Eye Institute

Publications Report – 2015

- (1) Gillies PJ, Bray LJ, Richardson NA, Chirila TV and Harkin DG: Isolation of microvascular endothelial cells from cadaveric corneal limbus. *Exp. Eye Res.* 131 (2015) 20-8.
- (2) Suzuki S, Dawson RA, Chirila TV, Shadforth AMA, Hogerheyde TA, Edwards GA and Harkin DG: Treatment of silk fibroin with poly(ethylene glycol) for the enhancement of corneal epithelial growth. *J. Funct. Biomater.* 6 (2015) 345-66.
- (3) Shadforth AMA, Suzuki S, Alzonne R, Edwards GA, Richardson NA, Chirila TV and Harkin DG: Incorporation of human recombinant tropoelastin into silk fibroin membranes with the view to repairing Bruch's membrane. *J. Funct. Biomater.* 6 (2015) 946-62.
- (4) Harkin DG, Foyn L, Bray LJ, Sutherland AJ, Li FJ and Cronin BG: Can mesenchymal stromal cells differentiate into corneal cells? A systematic review of published data. *Stem Cells* 33 (2015) 785-91.
- (5) Hu Y, Yamashita K, Tabayashi N, Yoshikawa Y, Abe T, Hayata Y, Hirose T, Hiraga S, Suzuki S, Ikada Y and Taniguchi S: Gelatin sealing sheet for arterial hemostasis and anti-adhesion in cardiovascular surgery: a dog model study. *Bio-Med. Mater. Eng.* 25 (2015) 157-68.
- (6) Yamashita K, Suzuki S, Tabayashi N, Abe T, Hayata Y, Hirose T, Hiraga S, Niwa K, Fukuba R, Takeda M, Ikada Y and Taniguchi S: Experimental use of crosslinked gelatin glue for arterial hemostasis in cardiovascular surgery. *Bio-Med. Mater. Eng.* 25 (2015) 361-70.
- (7) Sutherland AJ and others: A molecular host response assay to discriminate between sepsis and infectionnegative systemic inflammation in critically ill patients: Discovery and validation in independent cohorts. *PLOS Med.* 12: e1001916 (35 pages) [DOI: 10.1371/journal.pmed.1001916].
- (8) Rayner CL, Bottle SE, Gole GA, Ward MS and Barnett NL: Real-time quantification of oxidative stress and the protective effect of nitroxide antioxidants. *Neurochem. Int.* 92 (2016) 1-12 (appeared 2015).
- (9) Shadforth AMA, Suzuki S, Theodoropoulos C, Richardson NA, Chirila TV and Harkin DG: A Bruch's membrane substitute fabricated from silk fibroin supports the function of retinal pigment epithelial cells in vitro. *J. Tissue Eng. Regen. Med.* DOI:
- (10) 1002/ term.2089 (advanced publication 2015). 10. Chiang M: Overview of micro-invasive glaucoma surgery. *Pharma* 2015 (March) 31-2.
- (11) Cronin BG: Cataract surgery and glaucoma. *Pharma* 2015 (March) 19.
- (12) Liang YB, Wang NL, Rong SS and Thomas R: Initial treatment for primary angle-closure glaucoma in China. *J. Glaucoma* 24 (2015) 469-73.
- (13) Nugent R, Lee L and Kwan A: Photodynamic therapy for diffuse choroidal hemangioma in a child with SturgeWeber syndrome. *J. AAPOS* 19 (2015) 181-3.

(14) Thomas R, Mengersen K, Thomas A and Walland MJ: Looking deeper than (just) below the surface. *Clin. Experiment. Ophthalmol.* 43 (2015) 492-3.

(15) Zhang S, Wang B, Xie Y, Zhu S, Thomas R, Qing G, Zhang C and Wang N: Retinotopic changes in the grey matter volume and cerebral blood flow in the primary visual cortex of patients with primary open angle glaucoma. *Invest. Ophthalmol. Vis. Sci.* (2015) accepted.