

List of Publications

2014

- Jobling AI, Guymer RH, Vessey KA, Greferath U, Mills SA, Brassington KH, Luu CD, Aung KZ, Trogrlic L, Plunkett M, Fletcher EL. Nanosecond laser therapy reverses pathologic and molecular changes in age-related macular degeneration without retinal damage. *FASEB J* 2014 Nov 12. [Epub ahead of print]
- Aplin FP, Luu CD, Vessey KA, Guymer RH, Shepherd RK, Fletcher EL. ATP induced photoreceptor death in a feline model of retinal degeneration. *Invest Ophthalmol Vis Sci*. 2014 Nov 25. [Epub ahead of print].
- Nivison-Smith L, Zhu Y, Whatham A, Bui BV, Fletcher EL, Acosta ML, Kalloniatis M. Sildenafil alters retinal function in mouse carriers of Retinitis Pigmentosa. *Exp Eye Res* 2014 Sep 17. [Epub ahead of print]
- Sanderson J, Dartt DA, Trinkaus-Randall V, Pintor J, Civan MM, Delamere NA, Fletcher EL, Salt TE, Grosche A, Mitchell CH. Purines in the eye: recent evidence for the physiological and pathological role of purines in the RPE, retinal neurons, astrocytes, Müller cells, lens, trabecular meshwork, cornea and lacrimal gland. *Exp Eye Res* 2014 Oct;127:270-9.
- Fletcher EL, Chung ST, Downie LE, Guymer RH, Vingrys AJ. Age-related macular degeneration: what's new and on the horizon. *Optom Vis Sci* 2014 Aug; **91**(8): 816-8.
- Ho T, Vessey KA, Fletcher EL. Immunolocalization of the P2X4 receptor on neurons and glia in the mammalian retina. *Neuroscience* 2014 Sep 26; **277**: 55-71.
- Fletcher EL, Jobling AI, Greferath U, Mills SA, Waugh M, Ho T, de Iongh RU, Phipps JA, Vessey KA. Studying age-related macular degeneration using animal models. *Optom Vis Sci* 2014 Aug; **91**(8): 878-86.
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- Zhu Y, Mistra S, Nivison-Smith L, Acosta ML, Fletcher EL, Kalloniatis M. Mapping cation entry in photoreceptors and inner retinal neurons during early degeneration in the P23H-3 rat retina. *Vis Neurosci* 2013; **5**: 1-11.
- Kalloniatis M, Loh CS, Acosta ML, Tomisich G, Zhu Y, Nivison-Smith L, Fletcher EL, Chua J, Sun D, Arunthavasothy N. Retinal amino acid neurochemistry in health and disease. *Clin Exp Optom* 2013; **96**(3): 310-32.



- Chua J, Nivison-Smith L, Fletcher EL, Trenholm S, Awatramani G, Kalloniatis M. Early remodeling of Müller cells in the rd/rd mouse model of retinal dystrophy. *J Comp Neurol* 2013 Jan 24. doi: 10.1002/cne.23307. [Epub ahead of print].
- Nivison-Smith L, Sun D, Fletcher EL, Marc RE, Kalloniatis M. Mapping kainate activation of inner neurons in the rat retina. *J Comp Neurol* 2013 Jan 24. doi: 10.1002/cne.23305. [Epub ahead of print].
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