

[2014]

- Kolandaivelu S, Singh RK, **Ramamurthy V**. [AIPL1, a protein linked to blindness, is essential for the stability of enzymes mediating cGMP metabolism in cone photoreceptor cells](#). *Hum Mol Gen* (2013). doi: 10.1093/hmg/ddt496

[2013]

- Gao X, Sinha S, Belcastro M, Woodard C, **Ramamurthy V**, Stoilov P, Sokolov M. [Splice Isoforms of Phosducin-like Protein Control the Expression of Heterotrimeric G Proteins](#). *J Biol Chem* 2013 Jul 25 [E-pub ahead of print] PMID: 23888055
- Deng WT, Sakurai K, Kolandaivelu S, Kolesnikov AV, Dinculescu A, Li J, Zhu P, Liu X, Pang J, Chiodo VA, Boye SL, Chang B, **Ramamurthy V**, Kefalov VJ, Hauswirth WW. [Cone Phosphodiesterase-6 \$\alpha\$ ' Restores Rod Function and Confers Distinct Physiological Properties in the Rod Phosphodiesterase-6B-Deficient rd10 Mouse](#). *J Neurosci* 2013 Jul 17; 33(29):11745-53. doi: 10.1523/JNEUROSCI.1536-13.2013.
- Majumder A, Pahlberg J, Boyd KK, Kerov V, Kolandaivelu S, **Ramamurthy V**, Sampath AP, Artemyev NO. [Transducin translocation contributes to rod survival and enhances synaptic transmission from rods to rod bipolar cells](#). *Proc Natl Acad Sci USA* 2013 Jul 23; 110(30):12468-73. doi: 10.1073/pnas.1222666110. PMID: 23836670.

[2012]

- Christiansen JR, **Ramamurthy V**. [Greasing the protein biosynthesis machinery of photoreceptor neurons: Role for postprenylation processing of proteins](#). *Cell Logist* (2012 Jan 1) 2(1):5-19.

[2011]

- Christiansen JR, Kolandaivelu D, Bergo MO, **Ramamurthy V**. [RAS-converting enzyme 1-mediated endoproteolysis is required for trafficking of rod phosphodiesterase 6 to photoreceptor outer segments](#). *Proc Natl Acad Sci USA* (2011), 108(21):8862-6.

- Kolandaivelu S, Chang B, **Ramamurthy V**. [Rod Phosphodiesterase-6 \(PDE6\) Catalytic Subunits Restore Cone Function in a Mouse Model Lacking Cone PDE6 Catalytic Subunit](#). *J Biol Chem* (2011), 286(38):33252-9.
- Ku CA, Chiodo VA, Boye SL, Goldberg AF, Li T, Hauswirth WW, **Ramamurthy V**. [Gene therapy using self-complimentary Y733F capsid mutant AAV2/8 restores vision in a model of early onset Leber congenital amaurosis](#). *Hum Mol Genet* (2011). [Epub ahead of print]
- Christiansen JR, Kolandaivelu S, Bergo MO, **Ramamurthy V**. [RCE1-mediated endoproteolysis is required for trafficking of rod PDE6 to photoreceptor outer segments](#). *Proceedings of National Academy of Sciences* (2011), (Accepted for publication).

[2010]

- Kirschman LT, Kolandaivelu S, Frederick JM, Dang L, Goldberg AF, Baehr W, **Ramamurthy V**. [The Leber congenital amaurosis protein, AIPL1, is needed for the viability and functioning of cone photoreceptor cells](#). *Hum Mol Genet* (2010), 19(6):1076-87. Epub 2009 Dec 30.

[2009]

- Kolandaivelu S, Huang J, Hurley JB, **Ramamurthy V**. [AIPL1, a protein associated with childhood blindness, interacts with alpha-subunit of rod phosphodiesterase \(PDE6\) and is essential for its proper assembly](#). *J Biol Chem* (2009), 284(45):30853-61.

[2008]

- Hendrickson A, Bunsted-O'Brien K, Natoli R, **Ramamurthy V**, Possin D, Provis J. [Rod photoreceptor differentiation in fetal and infant human retina](#). *Exp Eye Res* (2008), 87(5):415-26.