To the editor,

In 2017 we created the eyeintegration.nei.nih.gov1 ocular RNA-seq resource, which has received consistent worldwide usage. After the introduction of single cell transcriptomic technology we immediately saw the need to create a follow-up which would enable the ocular community to probe gene expression at the cell type level. We used rigorous benchmarking to create a fully integrated single cell resource across dozens of studies and multiple species2. In this manuscript we describe how we updated the single cell dataset with new studies and created a brand new, powerful, reactive, and responsive web resource at plae.nei.nih.gov.

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1. Vinay Swamy, David McGaughey; Eye in a Disk: eyeIntegration Human Pan-Eye and Body Transcriptome Database Version 1.0. *Invest. Ophthalmol. Vis. Sci.*2019;60(8):3236-3246. doi: <https://doi.org/10.1167/iovs.19-27106>.
2. Vinay S Swamy, Temesgen D Fufa, Robert B Hufnagel, David M McGaughey, Building the mega single-cell transcriptome ocular meta-atlas, *GigaScience*, Volume 10, Issue 10, October 2021, giab061, <https://doi.org/10.1093/gigascience/giab061>