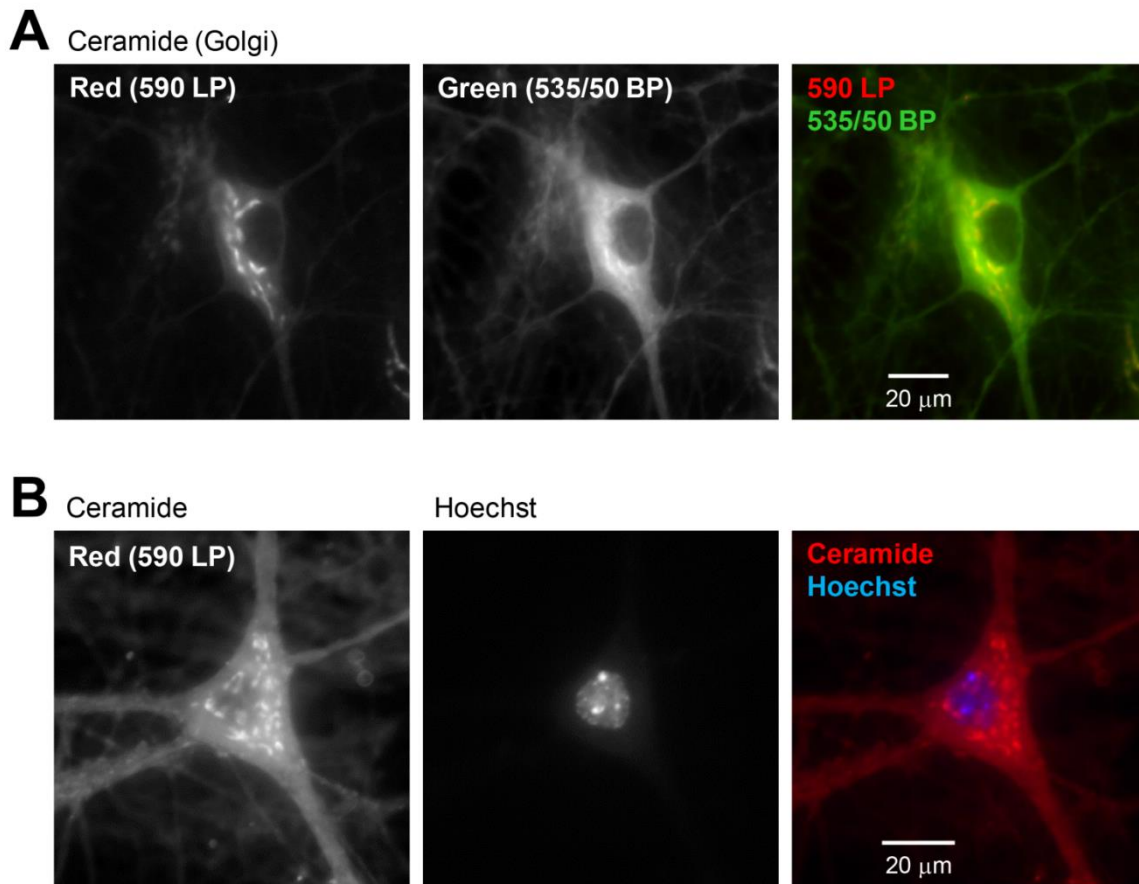


## SUPPORTING INFORMATION (Mitchell et al.)



**S1 Fig. Live-cell staining of the Golgi apparatus in cultured neurons using a fluorescent ceramide analogue.** Pseudocolored, merged images corresponding to grayscale images shown in Fig 1. **A:** Color overlay of green band-pass and red long-pass images. The result demonstrates overwhelmingly strong, diffuse, non-specific staining in the green emission range of BODIPY FL C<sub>5</sub>-ceramide (Ceramide). The grayscale image with green long-pass emission filter (520-nm LP, Fig 1) is a correct representation of optical results. In contrast, the color overlay shown here is an attempt to reproduce the green long-pass image from its two components (green band-pass or red long-pass), but is not necessarily a correct representation. This is because 1) each grayscale image (green band-pass or red long-pass) was contrast-adjusted, such that the minimum and maximum in each image take values of 0 and 255 on an 8-bit intensity scale, and 2) the relative intensities of the two images are unknown. **B:** Ceramide staining (red) and nuclear staining (blue) in a single neuron.