

Supplemental data

Supplemental data 1

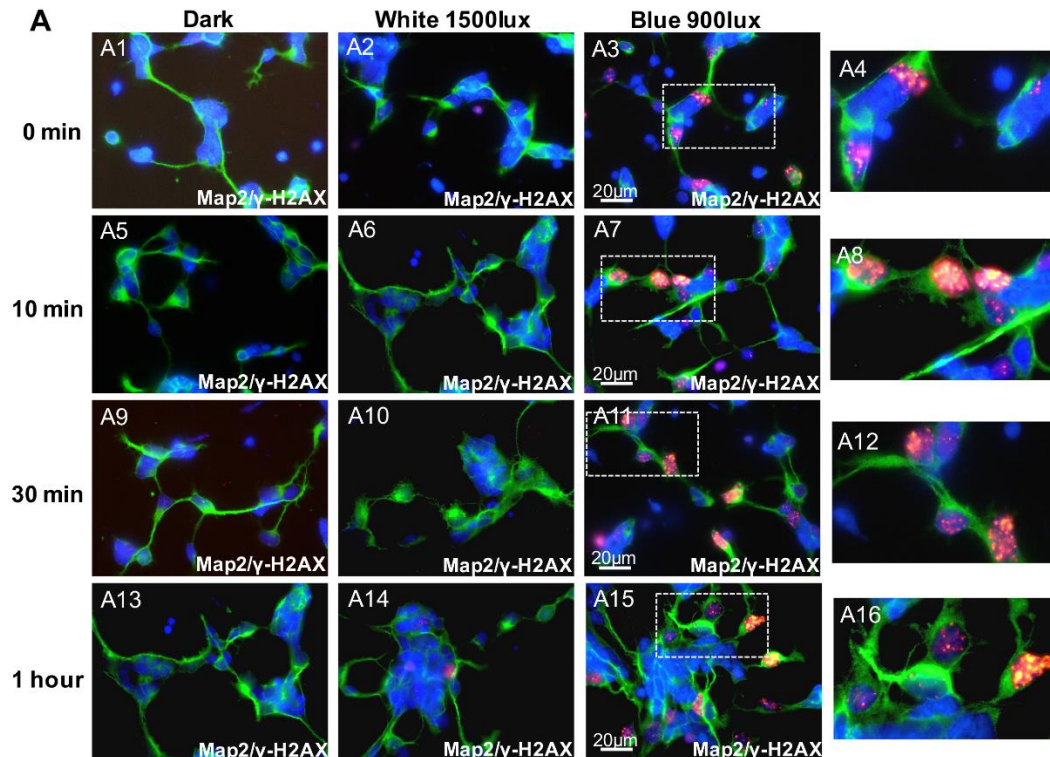


Figure S1: γ -H2AX foci label DNA double-strand breaks in retina neurons. The double staining assay were performed in retina cells 0 minute, 10 minutes, 30 minutes, 1 hour after light treatment (dark, white, blue). **A1-A3**, Double staining for Map2 and γ -H2AX in retinal neurons 0 minute after light treatment. **A4**, The magnification of the γ -H2AX foci in A3 (white dotted box). **A5-A7**, Double staining for Map2 and γ -H2AX in retinal neurons 10 minute after light treatment. **A8**, The magnification of the γ -H2AX foci in A7 (white dotted box). **A9-A11**, Double staining for Map2 and γ -H2AX in retinal neurons 30 minute after light treatment. **A12**, The magnification of the γ -H2AX foci in A11 (white dotted box). **A13-A15**, Double staining for Map2 and γ -H2AX in retinal neurons 10 minute after light treatment. **A16**, The magnification of the γ -H2AX foci in A15 (white dotted box).

Supplemental data 2

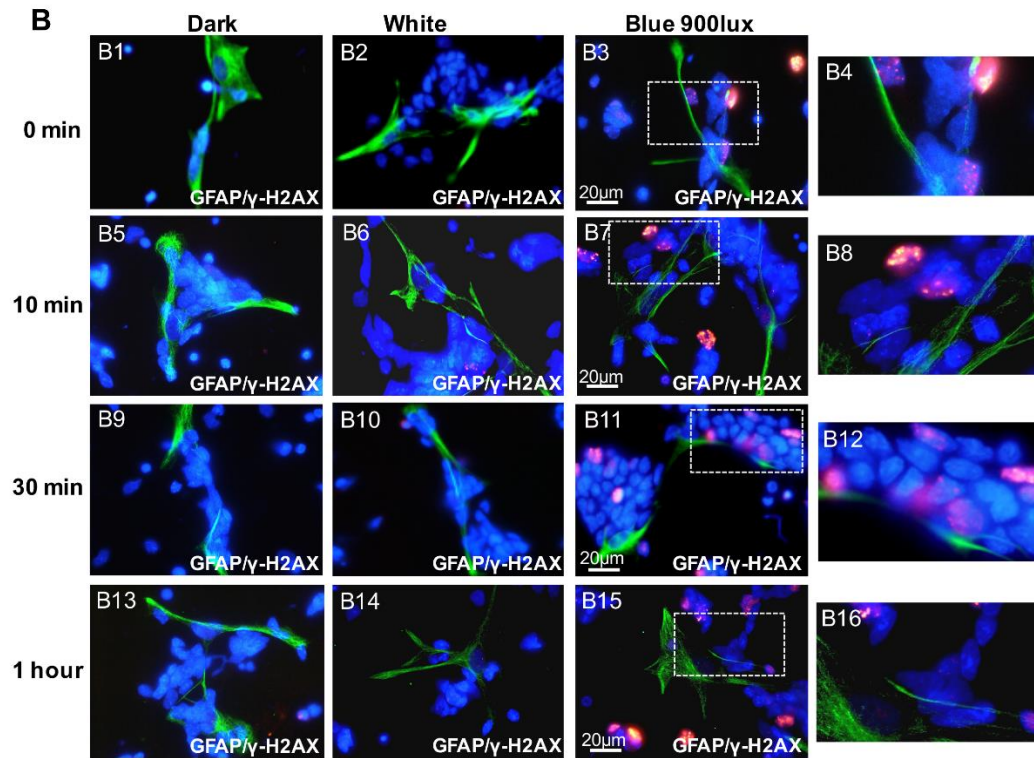


Figure S2. γ -H2AX foci label DNA double-strand breaks in glia cells. The double staining assay were performed in glia cells 0 minute, 10 minutes, 30 minutes, 1 hour after light treatment (dark, white, blue). **A1-A3**, Double staining for GFAP and γ -H2AX in glia cells 0 minute after light treatment. **A4**, The magnification of the γ -H2AX foci in A3 (white dotted box). **A5-A7**, Double staining for GFAP and γ -H2AX in glia cells 10 minute after light treatment. **A8**, The magnification of the γ -H2AX foci in A7 (white dotted box). **A9-A11**, Double staining for GFAP and γ -H2AX in glia cells 30 minute after light treatment. **A12**, The magnification of the γ -H2AX foci in A11 (white dotted box). **A13-A15**, Double staining for GFAP and γ -H2AX in glia cells 10 minute after light treatment. **A16**, The magnification of the γ -H2AX foci in A15 (white dotted box).