Supporting Information

Chiro-optical modulation for NURR1 production from stem cells

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Figure S1. Live and dead images of cells after exposure of TMSCs to L-and R-polarized blue (a), red (b), and green (c) LED lights for 24 hours. A neurogenic induction medium was used. Live cells and dead cells are stained in green and red, respectively. Scale bars are 100 µm and 30 µm (enlarged images). Cell images in absence of light (-L), cells exposed to an L-polarized light (PL) and an R-polarized light (PR) are shown.

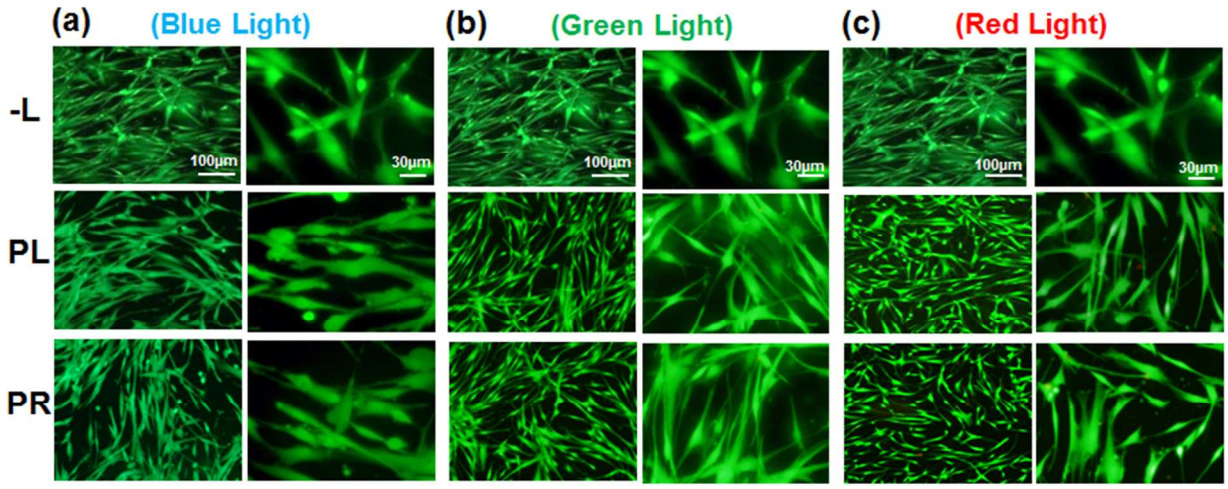

Figure S2. ATP production (a) and intracellular calcium content (b) induced by exposure of TMSCs to the polarized blue LED lights. Cells in absence of light (-L), cells exposed to an L-polarized blue light (PL) and an R-polarized blue light (PR) are compared for fluorescence intensity for each system relative to the –L system. * indicate $p<0.05$ by one way ANOVA.