



LIGHT

Melanopsin, a light-sensitive pigment not involved in vision, is expressed in many different blood vessels. When exposed to blue wavelengths of light, the melanopsin and G protein-coupled receptor kinase 2 (GRK2) mediate the relaxation of the vessels. The combination of light and a GRK2 inhibitor resulted in a 75 percent to 100 percent relaxation of blood vessels in vitro.

