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## cGMP-dependent pathway and a GPCR kinase are required for photoresponse in the nematode *Pristionchus pacificus*

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## Sensory neurons expressing phototransduction genes in the nematode *Pristionchus pacificus*

The light-sensing mechanism in nematodes had previously only been characterized in *Caenorhabditis elegans*. Using forward genetic screening, Nakayama et al. identified genes involved in light avoidance behavior in the nematode *Pristionchus pacificus*, revealing both conserved and unique features between the two species. This image shows sensory neurons, some of which are involved in photoresponse, labeled with fluorescent proteins and filled with dye in *P. pacificus*.

Image credit: Kenichi Nakayama