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Absorptance and spectral sensitivity measurements of rod photoreceptors of the tiger salamander, *Ambystoma tigrinum*

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Abstract

The spectral sensitivity of the extracellularly-recorded photoresponse of isolated rods of the tiger salamander, *Ambystoma tigrinum*, was compared to the absorptance spectrum. Both measurements were made with the same optical system on the same portion of each cell to avoid errors that could occur when the two kinds of measurement were made under different conditions. The relative spectral sensitivity and absorptance spectrum were found to be in excellent agreement between 450 and 700 nm.



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