



## Laser Study of Vision Photochemistry

We use the visible light from a Vibrant 355 I system to start a photochemical reaction in rhodopsin, a visual pigment extracted from the eye. Wavelength flexibility provided by convenient tunability prevents secondary photolysis of the primary photoproduct. See the publication below for more details.

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[http://www.chemistry.ucsc.edu/kliger\\_d.html](http://www.chemistry.ucsc.edu/kliger_d.html)

"Two Intermediates Appear on the Lumirhodopsin Time Scale After Rhodopsin Photoexcitation"  
Biochemistry 42(17), 5091-6098 (2003).

