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### [Microsaccades Counteract Visual Fading during Fixation.](#)

Martinez-Conde S, Macknik SL, Troncoso XG, Dyar TA

*Neuron* 2006 Jan 19 **49**(2):297-305 [[abstract on PubMed](#)] [[related articles](#)]

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Confirmation



Tech Advance

**Selected by** | Hidehiko Komatsu

Evaluated 10 Feb 2006



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## Faculty Comments

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Confirmation



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### Comments

**This study clearly demonstrates that there is a close link between the occurrence of microsaccades during fixation and visibility of stationary stimulus.** Although this link has been assumed to exist by many researchers for long time, there has been little direct evidence. By using high acuity eye movement measurement system and psychophysical event-triggered paradigm, the authors showed that fading of a peripheral stimulus during fixation (Troxler's effect) is facilitated when the rate and amplitude of microsaccades decreased, whereas visibility of the stimulus tended to be restored when microsaccades increased.

Evaluated 10 Feb 2006