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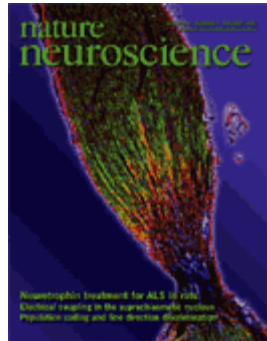
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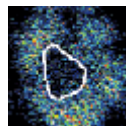
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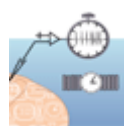
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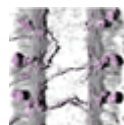
Axon terminals release neurotransmitter quickly after single action potentials, but neuropeptides are slowly released only after bursts of activity. At the quiescent *Drosophila* neuromuscular junction, peptide vesicles are immotile. Consecutive action potentials mobilize the vesicles through calcium influx, allowing peptide release.

**ADVANCE ONLINE PUBLICATION****Elapsed time and event probability in area LIP**[Article by Janssen and Shadlen](#)

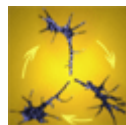
Anticipating the timing and probability of events allows us to prepare our actions appropriately, but how such information is represented in the brain is not well understood. A single cell recording study shows that neurons in monkey LIP represent the probability as a function of elapsed time that salient events are likely to occur.

**ADVANCE ONLINE PUBLICATION****The rewards of compulsive gambling**[Brief communication by Reuter and colleagues](#)

When compulsive gamblers play a card game for money, activation in the ventral striatum is reduced compared to control subjects receiving the same payoff. This pattern of activation mirrors that seen in drug addicts, drawing parallels between the two forms of addiction.

**ADVANCE ONLINE PUBLICATION****Sorting Robo for axon guidance**[Article by Keleman and colleagues](#)

At the *Drosophila* midline, an axon's choice to cross or not to cross depends on Comm. Distinguishing between two mechanistic models, a new study finds that Comm regulates surface levels of the repellent receptor Robo by preventing its transport to the growth cone, not by facilitating its clearance.

**ADVANCE ONLINE PUBLICATION****Adapting sensitivity in growth cones**[Article by Piper and colleagues](#)

Molecular cues guide the growth cones of developing axons toward their

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