



On the cover

McLaughlin et al. uncover a Toll-6-directed pathway that acts via the FoxO transcription factor to limit microtubule stability in motoneurons. At the *Drosophila* neuromuscular junction (NMJ), stable microtubules can be marked by acetylated α -tubulin and often appear as a thin filament running through the center of the presynaptic boutons. However, pathway mutants (pictured here) display an expanded distribution of stable microtubules, as the acetylated α -tubulin (white) fills many of the boutons (blue). McLaughlin et al. reveal that impaired structural plasticity is a novel consequence of elevated MT stability in pathway mutants at the NMJ. Image © 2016 McLaughlin et al. See page 459.

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