



**Cover legend:** This composite image shows a neuromuscular junction in the levator auris longus (LAL) muscle of a 3-month-old mouse. The axon terminal was stained with anti-neurofilament and anti-synapsin antibodies (green); the endplate was visualized with CF568  $\alpha$ -bungarotoxin, which labels acetylcholine receptor clusters (red), and the nuclei in the synaptic region were labeled with DAPI (green). During aging, acetylcholine receptor clusters become fragmented and denervated. New work examines the molecular mechanisms underlying this decline. For more information, see the article by Zhao, Shen et al. (pages 8860–8873).

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