



Cover legend: This image displays mitochondrial phenotypes of cells from mice lacking the E3 ubiquitin ligase CHIP. Loss of CHIP results in large numbers of elongated mitochondria (left panel), as well as swollen mitochondrial cristae (right panel) in mouse embryonic fibroblasts. Such morphological features correlate with the energetic failure and aberrant stress response observed in cells from CHIP-null animals. In CHIP knockout primary neurons (center panel), mCherry-tagged human CHIP (red) colocalizes with mitochondria (blue) that are also in proximity to LC3-positive phagophores (green) after sub-lethal bioenergetic stress. These visible autophagosomes surrounding CHIP-tagged mitochondria indicate that mitophagy takes place during stress that is dependent upon CHIP. For more information see Lizama et al. (pages 6825–6840)

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- 6803 **A Novel Role for the Hippocampus in Category Learning**
Sarah A. Hutter and Andrew I. Wilson

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- 6825 **Neuronal Preconditioning Requires the Mitophagic Activity of C-terminus of HSC70-Interacting Protein**
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