



Cover legend: This fluorescent image depicts the synaptic recruitment of the ubiquitin ligase Nedd4-1 in response to treatment with amyloid- β ($A\beta$) oligomers, thought to be a pathogenic compound in the development of Alzheimer's disease. Cultured hippocampal neurons were infected with cell-filling GFP (green) and HA-tagged Nedd4-1 (magenta) and subjected to $A\beta$ treatment for 23 hours, which induced a change from diffuse Nedd4-1 localization to a punctate distribution within dendritic spines. This suggests that $A\beta$ causes the recruitment of ubiquitin conjugation machinery to excitatory synapses, where it may be inappropriately weakening connections through loss of surface AMPARs. For more information, see the article by Rodrigues et al. (pages 1590–1595).

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