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Cover legend: Cultured rat hippocampal neurons (21 days *in vitro*) that were incubated with amyloid- β oligomers for 1 h and then stained for tubulin (red) and amyloid- β (cyan). Amyloid- β oligomers bind to neurons, inducing rapid disassembly of synapses through the expression of Dickkopf-1, a Wnt antagonist. For more information, see the article by Purro et al. in this issue (pages 3492–3498).

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