

## Supplementary Data

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# Ghrelin Ameliorates Cognitive Dysfunction and Neurodegeneration in Intrahippocampal Amyloid- $\beta_{1-42}$ Oligomer-Injected Mice

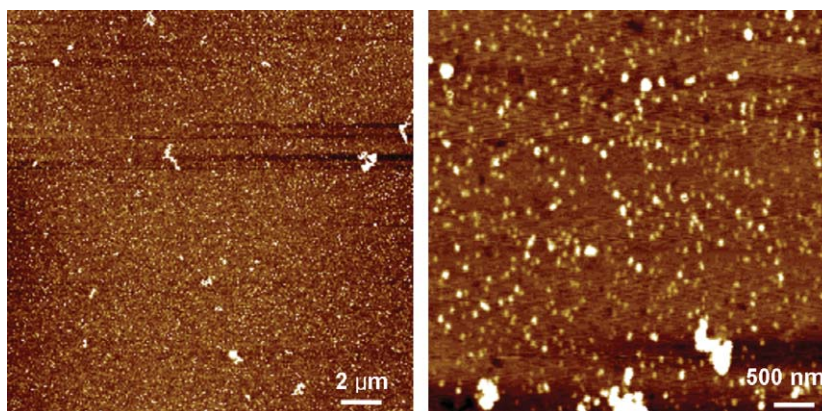
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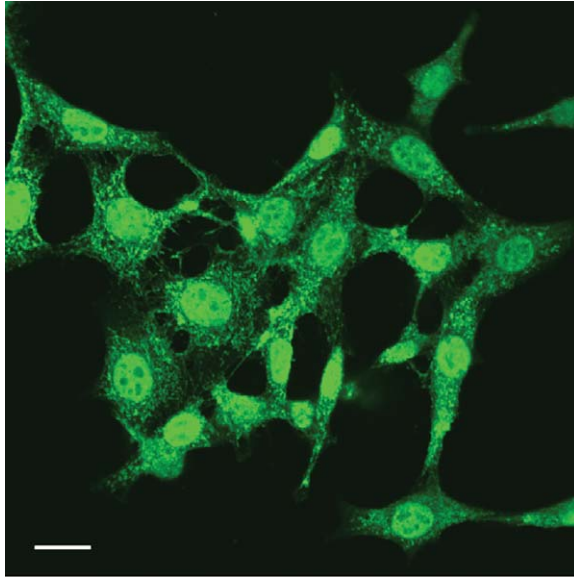
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Supplementary Figure S1. Visualization of A $\beta$ O by AFM. Examination of A $\beta$ O preparations (produced after incubation of A $\beta$  peptide for 24 h at 4°C) by Park XE-100 AFM shows globular aggregate structures between 5 and 15 nm in sizes.

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Supplementary Figure S2. Expression of ghrelin receptor (GHS-R1a) in mouse hippocampal cell line HT22, scale bar = 20  $\mu$ m.