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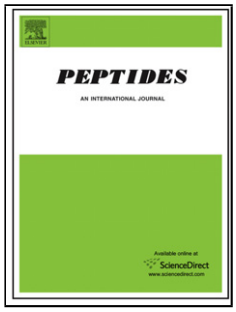

Title: Central acylated ghrelin improves memory function and hippocampal AMPK activation and partly reverses the impairment of energy and glucose metabolism in rats infused with β-amyloid

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Central acylated ghrelin improves memory function and hippocampal AMPK activation and partly reverses the impairment of energy and glucose metabolism in rats infused with β-amyloid

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Running head: ICV acetylated ghrelin and cognitive function

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Highlights

- Hippocampal β-amyloid deposition resulted in memory loss and impairment of energy and glucose metabolisms.
- Rats administered central acyl-ghrelin, had less β-amyloid deposition in the hippocampus.
- Central acyl-ghrelin prevented cognitive dysfunction in rats infused with β-amyloid.
- Central acyl-ghrelin suppressed the deterioration of energy and glucose metabolism.
- Elevating acyl-ghrelin, possibly by intermittent fasting, may improve cognitive function.

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