

# Background

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## 1 question

Q: How to transform the task-specific short-term memory to general and robust long-term memory?

## 2 background

Humans and animals are excel at remembering past experiences. On the other hand, current artificial intelligence lacks such memory capability, and thus we need to implement such functions. It is known that human first create short-term memory in hippocampus and transfer the short-term memory to neo-cortex, gradually consolidating the long-term memory [1, 3, 4, 2]. Therefore, implementing these functions artificially may work well to create an agent with good memory. The question here is, how to make a robust long-term memory from a short-term task-specific memory?

## References

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