

Scientists erase and recreate memories

by Kristen Amiet via bob - ninemsn *Sunday, Jun 1 2014, 11:14pm*

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Real mind control is just around the corner

Nefarious government agencies are standing in line! And you thought it was necessary and safe to surrender your rights and freedoms to governments. The US is already able to indefinitely detain anyone they choose without notifying anyone -- now they have hobbies and projects to play with. Secretly re-programming the human brain was once science fiction, not so today.

Well, YOU asked for it, and NOW you got it, or do you think it necessary and appropriate to finally exercise your LEGAL democratic prerogatives and RESTORE REPRESENTATIVE **MAJORITY RULE** to your respective nations?

Researchers have successfully erased and restored memories in mice, raising hopes that similar outcomes can be achieved with dementia patients.

"We can form a memory, erase that memory and we can reactivate it, at will, by applying a stimulus that selectively strengthens or weakens synaptic connections," said Roberto Malinow, professor of neurosciences at the University of California's San Diego School of Medicine.

Nerves in the animals' brains were stimulated at frequencies known to both strengthen and weaken the connection between nerve cells.

In a nutshell, researchers created a memory by training the mice to associate an optical signal with the pain generated by a shock administered to their feet.

The pain-association memory was then reversed using a different optical signal.

Scientists were startled to find that, when prompted with the original signal, the mice responded as if the memory were never erased — even without the physical shock.

"We can cause an animal to have fear and then not have fear and then to have fear again by stimulating the nerves at frequencies that strengthen or weaken the synapses," said Sadegh Nabavi, postdoctoral researcher and the study's lead author.

The manager of Alzheimer's Australia Dementia Research Foundation, Dr Alison Kevan, told ninemsn the findings could have a profound impact on the treatment of Alzheimer's if they prove applicable to the human brain.

"The study has shown potential to reverse the processes that interfere with communication between brain cells, and is something that may one day lead to new approaches to treating dementia," she said.

"However, the study was looking specifically at a learned fear response in rats, and we're a long way from the point of knowing if and how this might be applicable to human memory."

According to statistics from Alzheimer's Australia, there are over 300,000 Australians living with the disease, with that number expected to increase by one third to 400,000 in less than a decade and almost one million by 2050 if a cure is not found.

The study will be published in *Nature* next month.

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