

Robot with a Biological Brain!

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- University of Reading scientists have developed a *robot controlled by a biological brain* formed from cultured rat neurons.
- This new project is the first one to examine how memories manifest themselves in the brain, and how a brain stores specific pieces of data
- The main goal of this project is to understand better the development of diseases and disorders
- This new research could provide insights into how the brain works and help aging people.
- This project is being led by Kevin Warwick
- The brain is the center of the nervous system
- The human brain contains roughly 100 billion neurons
- The MEA is a dish with approximately 60 electrodes then picks up the electrical signals generated by the cells. This is then used to drive the movement of the robot.
- It communicates and controls the robot via a Bluetooth connection.
- Every time the robot nears an object, signals are directed to stimulate the brain by means of the electrodes. In response, the brain's output is used to drive the wheels of the robot.

