

Method for optical stimulation and monitoring of neurons (Technion)

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The present invention outlines a method for creating a novel neural interface based on optically controlling neurons in a cell-containing hydrogel based transparent transplant. The transplantable neural network could be applicable in various fields. One of the fields is CNS tissue engineering, providing a possible treatment for brain injuries, stroke, neurodegenerative diseases and more.

Contact for more information:

Santiago Ini **№**, +972-4-8294856

T - Technion Technology Transfer Technion City, Senate Bldg., Haifa 32000, Israel Tel. 972-4-829-4851; 972-8325-375 Fax. 972-4-832-0845