

**Method for optical stimulation and monitoring of neurons (Technion)**

**code:** MED-1327

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