

Non-contact holographic stimulation technology for vision restoration devices (Technion)

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A unique technology for direct optical stimulation of neurons has been developed in the Technion. This Technology could have diverse applications in the field of advanced neurological devices and particularly the development of next-generation vision restoration devices. The new, non-contact method is based on rapid holographic stimulation and enables energy-efficient patterned activation of many neurons with high resolution (single cells) and high light efficiency.

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