

The Pulse: Achieving Sight Through Sound

Eric Sorensen, Coordinator of Multimedia Development

This episode features:

Researchers at the University of Bath are developing a device that [trains the brain to turn sounds into images](#) [1], which could be used as an alternative to invasive treatments for blind and partially-sighted people.

A new technique for [detecting cancer by imaging the consumption of sugar with MRI](#) [2] has been unveiled by UCL scientists. The breakthrough could provide a safer and simpler alternative to standard radioactive techniques.

Scientists at The University of Akron are exploring new [biomedical uses for a polymer-based product](#) [3] that is synthetic, flexible, mostly water, and almost as tough as rubber.

[Researchers developed a new nanofiber mesh](#) [4] capable of simultaneously realizing thermotherapy and chemotherapy of tumors. Using this technology, the team succeeded in efficiently inducing natural death of epithelial cancer cells.

Source URL (retrieved on 01/31/2015 - 5:35am):

<http://www.mdtmag.com/videos/2013/07/pulse-achieving-sight-through-sound>

Links:

[1] <http://www.mdtmag.com/news/2013/07/device-enables-blind-%E2%80%98see%E2%80%99-ears>

[2] <http://www.mdtmag.com/news/2013/07/sugar-makes-cancer-light-mri-scanners>

[3] <http://www.mdtmag.com/news/2013/07/research-holds-water>

[4] <http://www.mdtmag.com/news/2013/07/smart-anticancer-%E2%80%98nanofiber-mesh%E2%80%99>