

Deep Tissue High Resolution Neuroimaging

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Categories:

- Medical/Health

Keywords:

- Brain
- Brain Imaging
- Medical/Health

Researchers at Purdue University have discovered a method for estimating the location of fluorescent targets that are embedded at millimeter and centimeter depths in biological tissue that enables imaging with very high spatial resolution. By combining the estimated location of many inhomogeneities, a super-resolution image can be formed. This invention has the potential to have a major impact on the study of brain science, because neuron activation can modulate fluorescence emission in space and time.

Advantages:

- Direct Access to Neuron Activation
- Super-resolution of Neurons

Potential Applications:

- Brain Imaging
- Brain Disease Diagnostics

People:

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Intellectual Property:

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