

**Docket #:** S05-028

# **Nonlinear Optical Endoscopy and Microscopy**

## **Applications**

- Endoscopy and microscopy
- Minimally invasive imaging
- In vivo imaging
- Image guidance in surgical or non-surgical applications
- Pharmaceutical research
- Clinical diagnostics such as an optical biopsy or an optical histology

## **Advantages**

- Enables three-dimensional imaging of deep layers in biological specimen.
- Portable imaging microscopy or endoscopy, that allows in vivo biological imaging of a protein, a drug, a sequence of DNA, or certain molecule.
- Enables the imaging of cells deep within the live animal brain.

## **Patents**

- Issued: [7,307,774 \(USA\)](#)

## **Innovators**

- Mark Schnitzer
- Benjamin Flusberg
- Juergen Jung
- Eric Cocker

- Erik Anderson

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