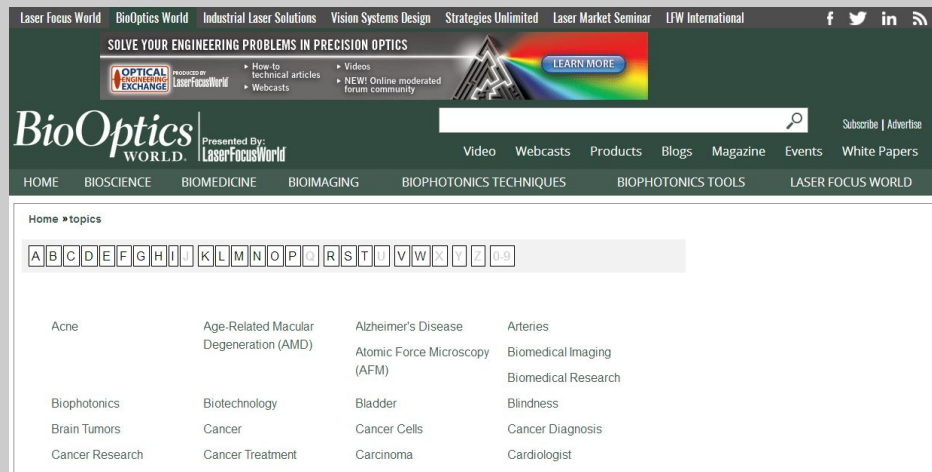


Home Page



Logo



URL

<http://www.bioopticsworld.com/topics.html>

Subject

Water - India - Digests.

Accessibility

Free

Language

English

Publisher

PennWell Corporation

Scope and Coverage

BioOptics World covers bio science related news. News are includes various tracks technologies, applications, and business that related to life science.

Kind of Information

In BioOptics World articles are available with its title, author name (posted by), publication date and short description. Related articles are present after each article. An example mentioned below.

UK-based brain tumor study to use Verisante's laser Raman spectroscopy system

01/13/2015

Posted by [Lee Dubay](#)
Associate Editor, BioOptics World

[Cancer detection](#) technology developer [Verisante Technology](#) (VRS; Vancouver, BC, Canada) has entered into a collaboration with the BC Cancer Agency (also in Vancouver) and Imperial College Healthcare NHS Trust (London, England) to develop a new application for the company's exclusively licensed platform technology.

Imperial College Healthcare NHS Trust will be using the company's laser [Raman spectroscopy](#) system in a study to determine if the system is able to assist in ascertaining the margins between [tumor](#) and normal brain tissue. Dr. Haishan Zeng, a distinguished scientist in the Integrative Oncology Department at BC Cancer Agency, is leading the development of the endoscopic Raman probe that will be used in the study.

"Using Verisante Core for delineation of brain tumor margins could be a significant new use for the device," said Dr. Zeng, who is also a professor of dermatology and skin science at the University of British Columbia in addition to his work at the BC Cancer Agency. "Our collaboration with Imperial College Healthcare NHS Trust enables us to keep testing the technology on real patients in a clinical setting using new applications."

Brain tumors are rare but have a disproportionate effect on society, as they often strike the young. For this reason, brain tumors result in more years of life lost than any other tumor. The first step in the patient pathway is often brain surgery, which is understandably delicate and highly precise. One of the major obstacles to removing brain tumors is the fact that the boundary between the tumor and normal brain is very hard to see using the naked eye, even with an operating microscope. The group will focus on collecting data during brain tumor surgery done at Charing Cross Hospital (also in London).

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[NIH research grants yield economic windfall](#)

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Arrangement Pattern

The articles are arranged under the different topics. These topics are arranged alphabetical order. For example under the alphabet "C" topics are as follows:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9

"B"

Biomedical Imaging Biomedical Research Biophotonics Biotechnology
Bladder Blindness Brain Tumors

Remarks

BioOptics World is intended for researchers and engineers involved in the development and fabrication of optical components and instrumentation used in the life sciences. It is also designed to serve the users of these technologies, including biologists, physicists, pathologists, forensic scientists, pharmaceutical companies, and government agencies.

Comparable Tools

- Open Medicine Digest (<https://blogs.biomedcentral.com/on-medicine/tag/open-medicine-digest/>)
- Biofuels Digest (<http://www.biofuelsdigest.com/>)

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