

# BioPhotonics

Bringing Light to the Life Sciences®

## WEBINARS

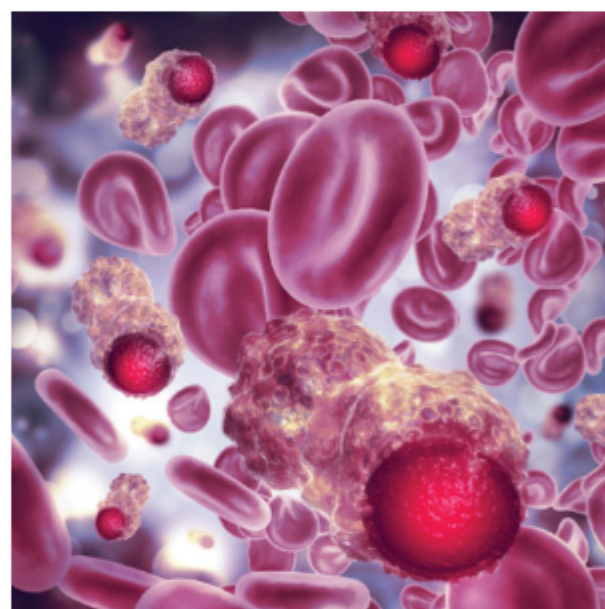
Join us for a **FREE Webinar**

### Functional Imaging and Monitoring of Tissues with Diffusing Light

**Tuesday, June 25, 2024 1:00 PM - 2:00 PM EDT**

[Register Now](#)

Diffusing light can be used to quantitatively probe the physiology of tissues located far below the surfaces of the body. The emerging light fields contain a wealth of diagnostic information about blood flow, blood oxygenation, and oxygen metabolism, pertaining to molecular biomarkers such as cytochrome-c oxidase, lipid, and water as well as health biometrics, such as intracranial pressure and cerebral autoregulation. Arjun Yodh of The University of Pennsylvania introduces the essential diffuse optics measurement tools and paradigms. Then, he discusses selected clinical and preclinical examples from collaborations with colleagues at the Hospital of the University of Pennsylvania and the Children's Hospital of Philadelphia. These examples illustrate the potential of the technologies in the contexts of brain injuries and breast cancer. Lastly, he discusses the recent progress of the community that will propel this field forward.



### Upcoming Webinars

- [Thermal Modeling of Lasers in Manufacturing Processes](#), 6/13/2024 2:00:00 PM EDT
- [High-Performance PDH Locking with Reconfigurable Instrumentation](#), 6/18/2024 11:00:00 AM EDT

### Archived Webinars

- [COTS to Custom: Using Microscope Objectives in OEM Products](#)
- [OLED-on-Silicon for Microdisplays in AR/VR/MR and Embedded Sensing](#)
- [Let's Talk About Metalenses](#)

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