

# BIOPHOTONICS

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## WEBINARS

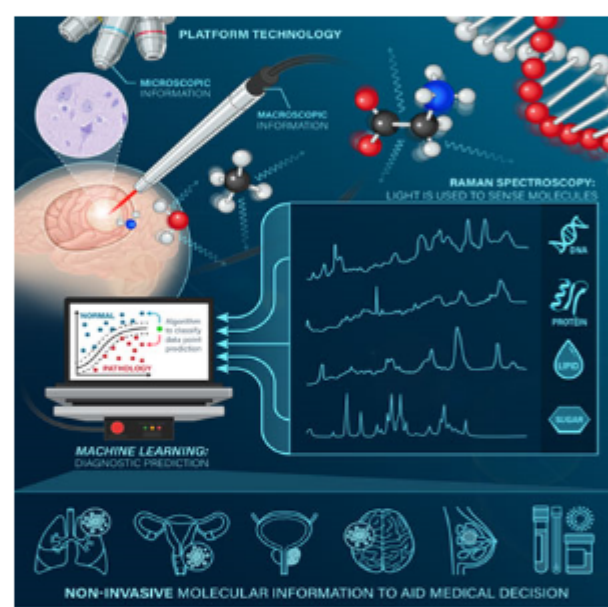
Join us for a **FREE Webinar**

### What is the Role of Vibrational Spectroscopy in Surgery and Diagnostics?

Wednesday, March 13, 2024 1:00 PM - 2:00 PM EDT

[Register Now](#)

Vibrational spectroscopy techniques are used for a wide range of materials characterization applications that require detailed molecular fingerprinting and quantification of molecular species based on the detection of specific vibrational bonds. In this talk, Frederic Leblond describes how the integration of technologies that rely on spontaneous Raman spectroscopy signal detection can complement current medical practice for surgical guidance, in situ diagnostics, and disease detection in biofluids. He presents case studies in infectious disease detection, neurosurgical oncology, breast-conserving surgery, bronchoscopy, prostate cancer diagnostics, and orthopedic surgery. He also addresses aspects relating to clinical translation, commercialization challenges, and regulatory strategies. Finally, he presents a SWOT (strengths, weaknesses, opportunities, and threats) analysis as it is related to the clinical deployment of vibrational spectroscopy techniques.



### Upcoming Webinars

- [Integrated Photonics for Quantum Computing](#), 5/28/2024 10:00:00 AM EST

### Archived Webinars

- [Quantum Efficiency Measurements: Fundamentals for Solar Cell Research, Part 2](#)
- [From Theory to Practice: Coherent Beam Combining's Impact on Laser Technology](#)
- [Dual-Comb Ranging for Industrial Applications](#)

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