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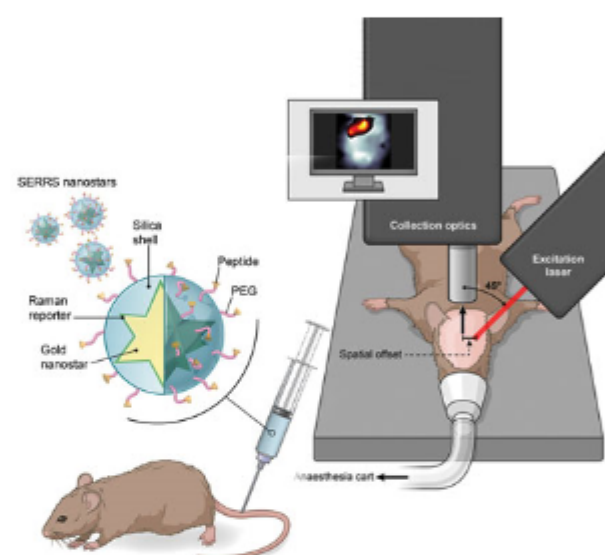
Join us for a **FREE Webinar**

Optimization of Surface Enhanced Spatially Offset Raman Spectroscopy for Applications in Pre-Clinical Cancer Imaging

Thursday, November 16, 2023 1:00 PM - 2:00 PM EST

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In the field of optical imaging, the ability to image tumors at depth with high selectivity and specificity remains challenging. Fay Nicolson of the Dana-Farber Cancer Institute and Harvard Medical School discusses the optimization of SORS instrumentation and imaging approaches as well as the subsequent application of SESORRS to pre-clinical cancer imaging and the delineation of tumor margins in *Apcf/+*, *Apcf/+;KrasG12D/+*, and finally GL261 mouse models of colorectal cancer and glioblastoma. Moreover, using a SESORRS approach, she demonstrates that it is possible to detect secondary, deeper-seated lesions through the intact skull. This approach enables improvements in the non-invasive detection of these cancers due to improvements in SNR, spectral resolution, and depth acquisition, and can complement clinically approved image-guided surgical techniques.



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