

Spring
2025

Optics & Photonics Group Lunchtime Seminar Series

University of Nottingham

Raman spectroscopy for surgical margin assessment in cancer surgery

Radu Boitor

School of Physics



12:00 Wed 30 Apr 2025

Pope – C16



Radu Boitor

Autofluorescence (AF)–Raman spectroscopy is a promising technology that can detect residual tumour during cancer removal surgery. AF-Raman was shown to detect residual basal cell carcinoma on the resection margin of fresh, surgically excised skin tissue specimens in timescales relevant to surgery. The performance of AF-Raman was compared to the reference standard of histology. The applicability of AF-Raman is not restricted to skin specimens and it can be adapted to detect cancer in other types of tissue.

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All are welcome



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