



Department of Chemistry
The University of Western Ontario

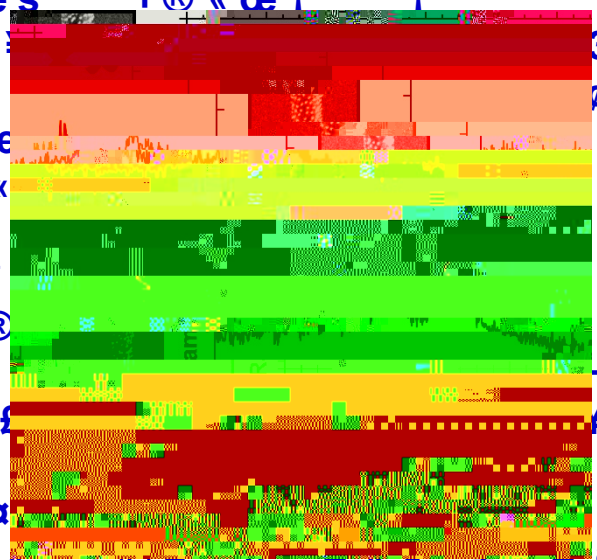


PAUL de MAYO AWARD LECTURE Dr. Gregory Wallace

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Surface-Enhanced Raman Scattering Nanosensors for Optophysiology: Exploring the Role of

Abstract: This presentation discusses the development of surface-enhanced Raman scattering (SERS) nanosensors for optophysiology. The sensors are designed to detect and quantify neurotransmitters and other biomolecules in the brain. The results show that the sensors are highly sensitive and specific, and can be used for real-time monitoring of neurotransmitter levels in the brain. The presentation also discusses the challenges and future directions of SERS nanosensors for optophysiology.



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