



# O-PTIR workshop

Hosted by Photothermal Spectroscopy Corp

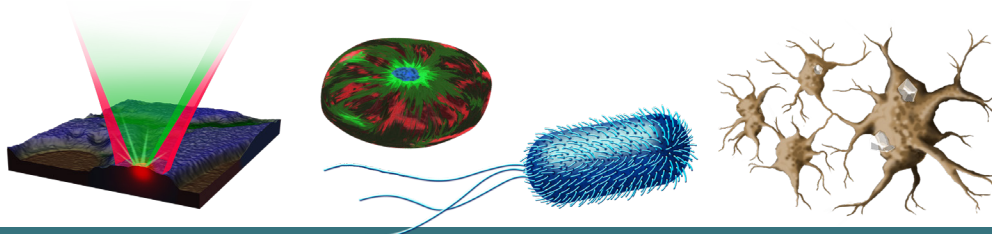
Sunday, August 27th 12:00 - 15:30

Location:

In person demo - Solaris Synchrotron

Presentations - Department of Chemistry, Room A0-04

Contact on day of event: Mustafa Kansiz +61 439 166 814



## Submicron IR and simultaneous Raman microscopy with co-located fluorescence imaging:

O-PTIR technology, recent advances and applications overview

In-person and virtual online workshop

[REGISTER HERE](#)



In person demonstration of instrument at Solaris Synchrotron



**Dr Mustafa Kansiz** **BIOGRAPHY** ▶  
Director of Product Management and Marketing  
Photothermal Spectroscopy Corp



**Prof Nick Stone** **BIOGRAPHY** ▶  
Biomedical Imaging and Biosensing  
Exeter University



**Prof Zac Schultz** **BIOGRAPHY** ▶  
Department of Chemistry and Biochemistry,  
Ohio State University



**Asst Prof Tomasz Wrobel** **BIOGRAPHY** ▶  
NSRC SOLARIS (IR beamline)  
Jagiellonian University

12:00-13:30 Solaris Synchrotron  
Lab space is limited, so please register your intent via the in-person registration form. This demonstration is a short walk from the workshop venue to the Solaris Synchrotron

13:30-13:55 Room A0-04  
Submicron infrared and simultaneous Raman microscopy with co-located fluorescence imaging:  
A new paradigm in vibrational spectroscopy

13:55-14:05 Room A0-04  
Online, live demonstration: Submicron IR+Raman microscopy with co-located fluorescence imaging

14:05-14:30 Room A0-04  
Combined optical photothermal infrared and Raman imaging for investigating the chemical composition of microcalcifications in breast cancer

10 minutes

14:40-15:05 Room A0-04  
Combined O-PTIR - SERS investigation of cellular protein receptors

15:05-15:30 Room A0-04  
3D mapping of molecular orientation using polarized vibrational techniques

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