**Idaho State University  
Physics Colloquium**

**Raman Spectroscopy for Biochemical Analysis**  
  
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Raman spectroscopy is a light-based technique that obtains highly accurate measurements of molecular concentrations. Raman has requires no specialized sample preparation or added contrast agents, making the technique a good fit for many biological applications. For example, our lab at Utah Valley University has studied Raman spectroscopy as a potential tool in diagnosing bacterial infections and assessing surgical tumor margins. This talk will examine the fundamentals, advantages, and limitations of Raman spectroscopy, using these applications as contextual examples.

**Monday, September 27 2021  
Via Zoom(**[**https://isu.zoom.us/j/81625270254**](https://isu.zoom.us/j/81625270254)**)  
4:00 – 4:50 pm**