

Photonics Forum

Optofluidics

September 24, 2014

*11:45 a.m. -
1:15 p.m.*

9th Floor

Room 901

Photonics Center

*8 Saint Mary's
Street*

*Lunch will be
served!*

September's Photonics Forum will feature the company Optofluidics. Optofluidics is a scientific instrumentation manufacturer that makes systems for analyzing small scale particles in solution. Using chip based photonics and microfluidics, their system is capable of capturing and optically exciting micro and nanoscale particles in unprecedented and meaningful ways. This allows researchers to extract unique physical and chemical parameters from the smallest of particles, including their chemical makeup (spectroscopy) and a deeper understanding of what is on the surface of a nanoparticle. Unlike traditional light scattering and spectroscopy systems, Optofluidics uses chip-based optics to take on the challenge of extending particle analysis beyond the traditional "sizing" paradigm.

Optofluidics is a Cornell University spin out headquartered in Philadelphia, PA. The company is venture backed by BioAdvance and financially supported by system sales as well as government grants and contracts from the National Science Foundation, the Defense Advanced Research Projects agency and the National Institutes of Health. They are also the newest member of the I/UCRC on Biophotonic Sensors and Systems. Bernardo Cordovez, the CFO and Co-founder, was named among Philadelphia's top 30 under 30 entrepreneurs.

