

# 2020

Tomorrow's Innovator Award

## Student and Post-Doctoral Researcher Invention Disclosure Laminar Liquid Microjet Spectroscopy Cavity

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*Inventors:*

Jonathan Kamler



- Developed by University of Alaska Fairbanks PhD student Jonathan Kamler.
- Waterjet acts as a waveguide to deliver the laser energy.
- Detect very low concentrations of contaminants, such as PFAS, in water.
- Liquid Raman spectroscopy on par with the sensitivity of HPLC or LCMS.
- Reduced cost and improve sample processing speed.



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