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Ocean Aware - Innovasea
\$29M
Multiple eDNA units for Aquaculture

<https://oceansupercluster.ca/ocean-aware-project-announcement-news/>

Lab-on-chip microfluidics

Phosphate

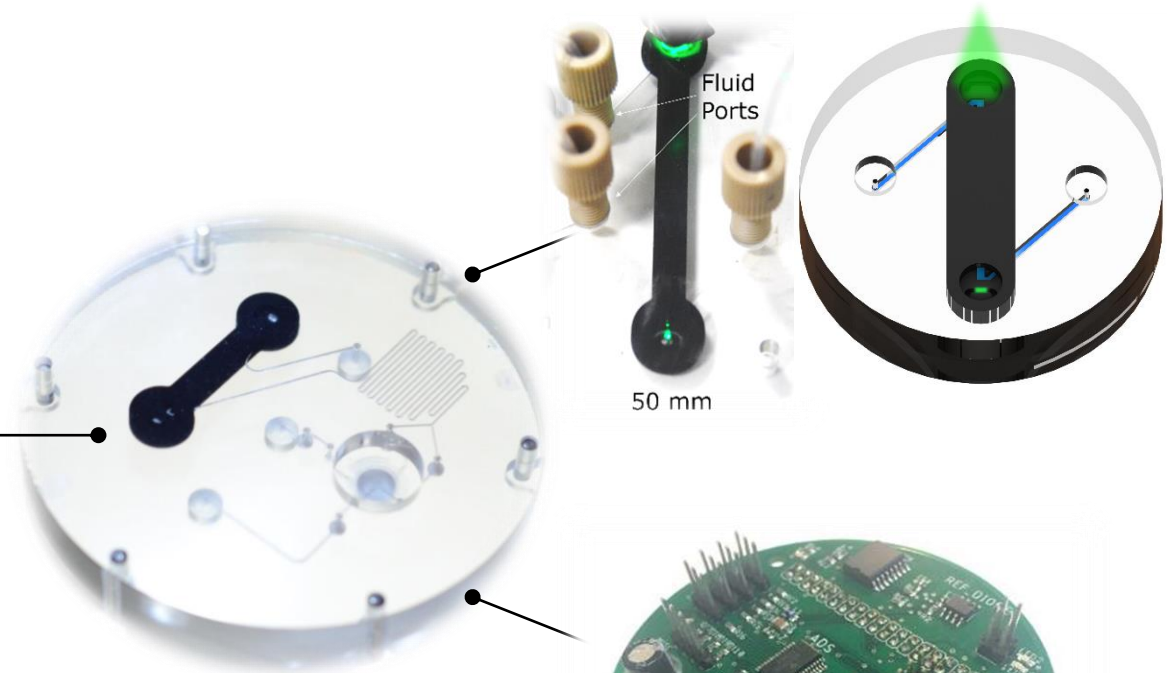
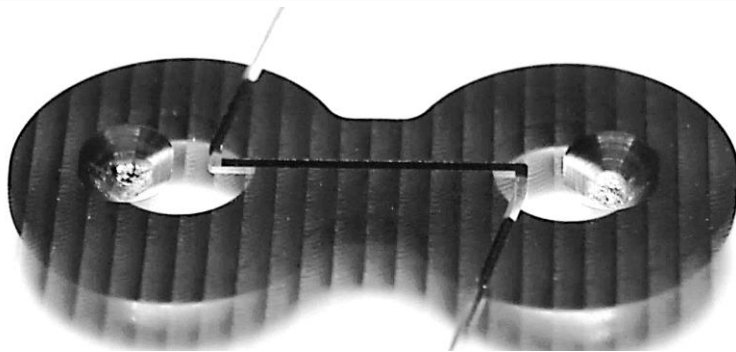
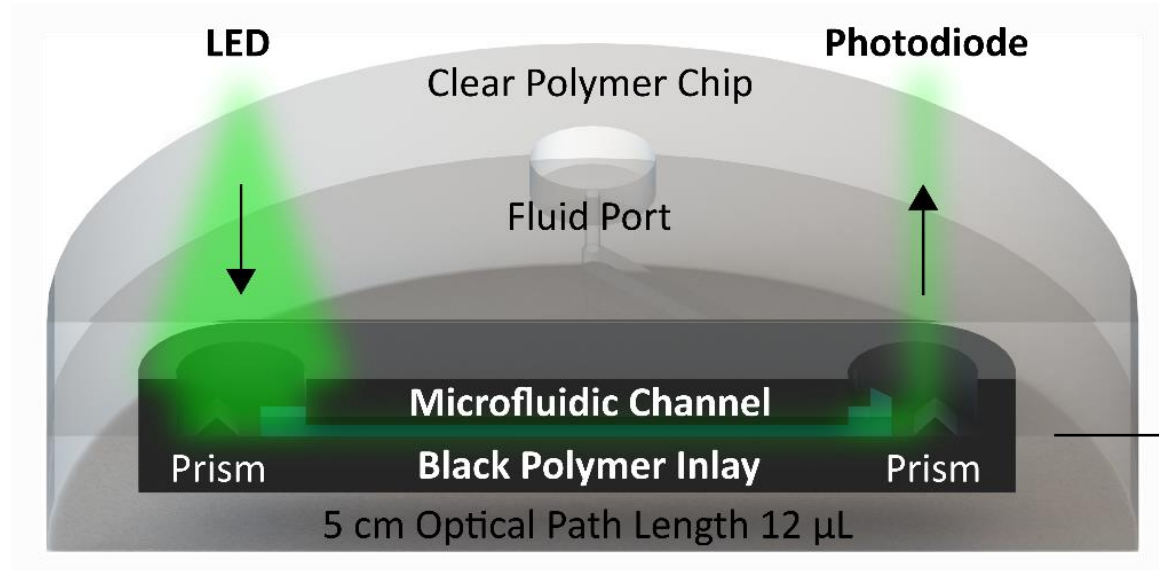
eDNA

Platforms

Short Presentation
September 10, 2020

Inlaid microfluidic optics™

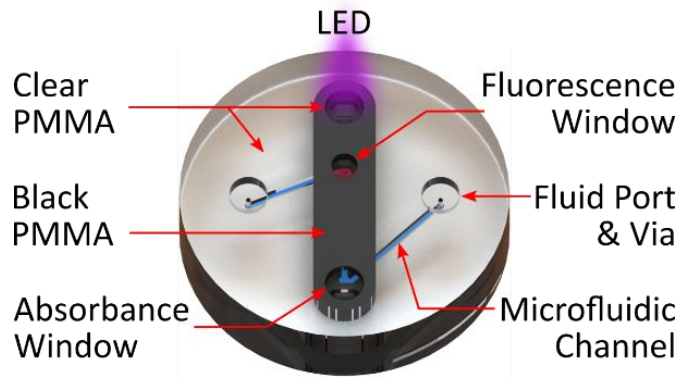
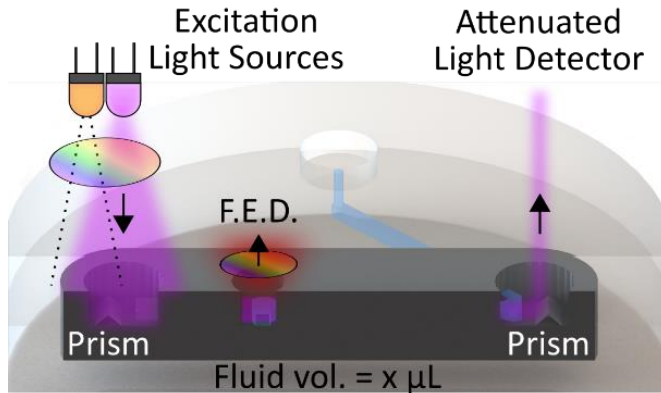
Luy et al. (2020), JMM., vol. 30(9)
Patents pending:
PCT CA2020 050738, PCT CA2020 050739
USPTO 62/854,602, USPTO 62/854,621



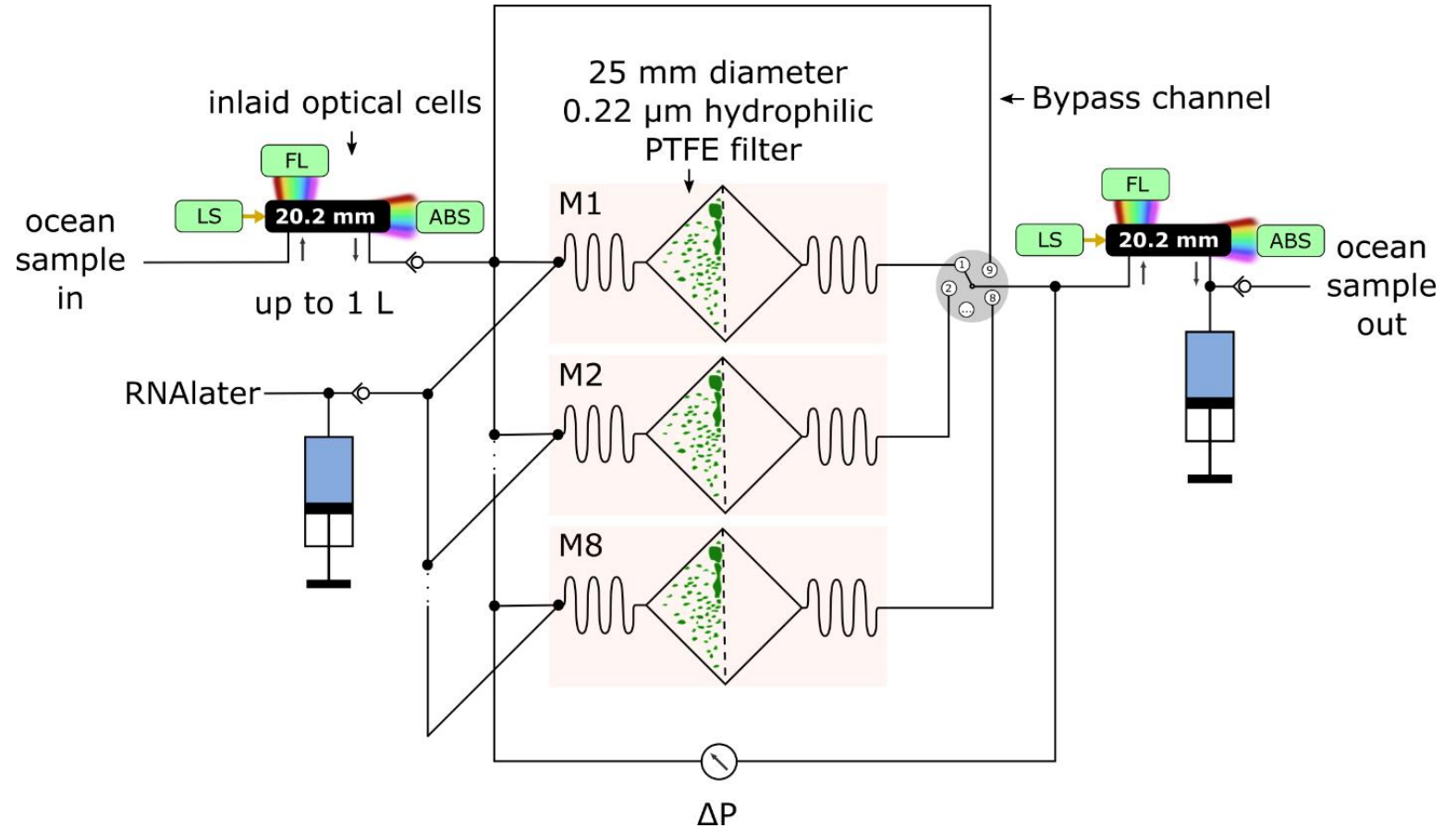
Seamless Integration of PCB & Chip

DOT eDNA sample collection

Patent pending:
USPTO 63/075,548



Inlaid Microfluidic Optics™
for multi-channel
Fluorescence and Absorbance



Lab-on-chip cartridge



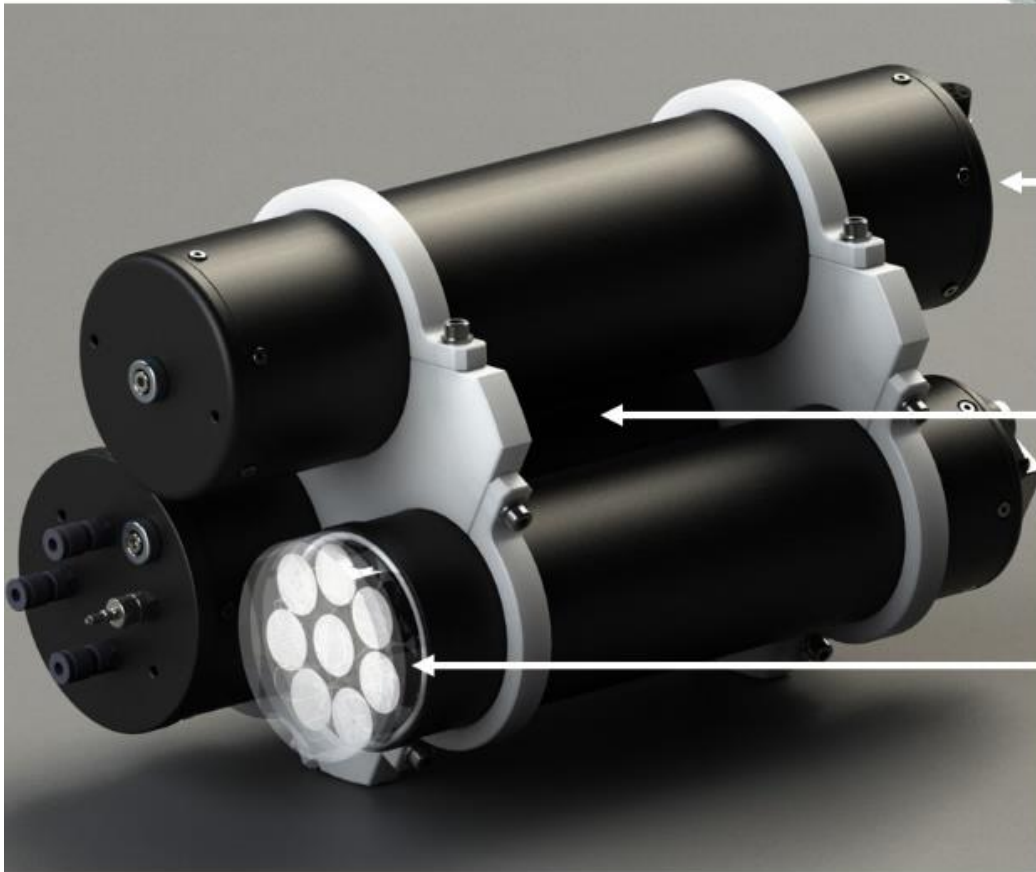
In situ package

eDNA capture and preservation



Benchtop unit

eDNA extraction and analysis



Battery housing

Reagent canister

eDNA sampler instrument

