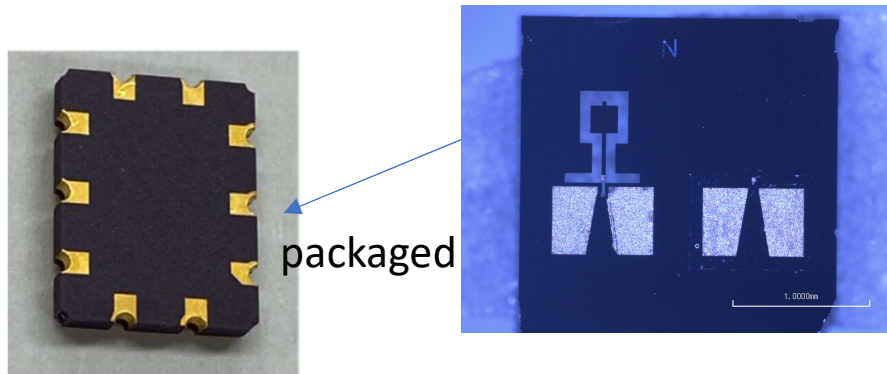
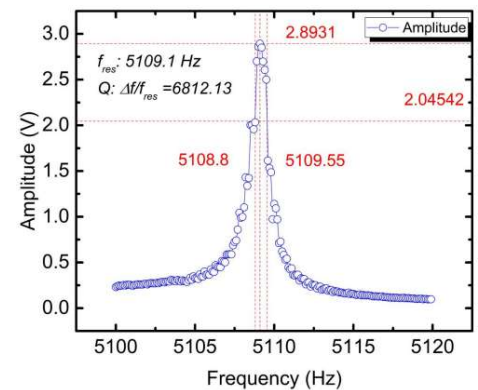


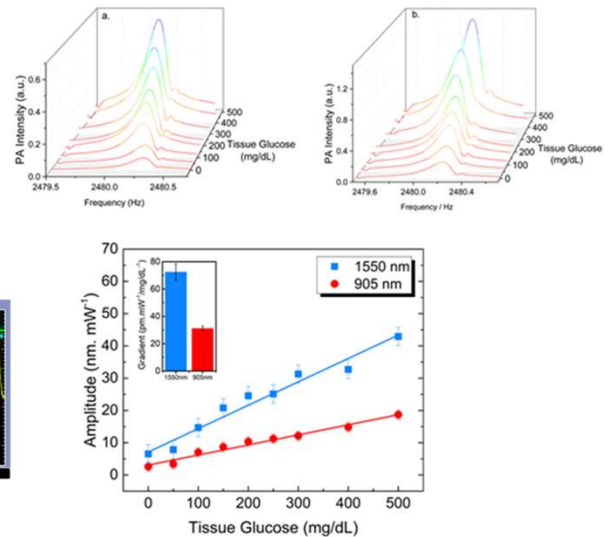
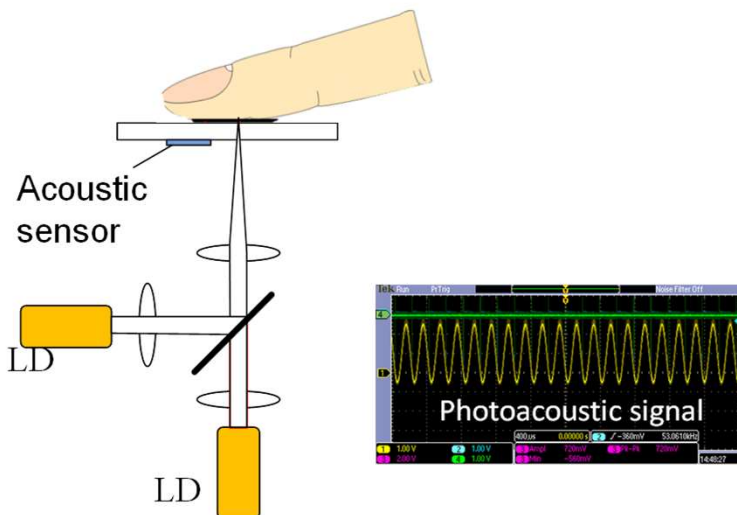
Ultra-sensitive acoustic sensors



packaged



Vacuum-packaged acoustic sensors with piezoresistive readout
Mechanical resonant performance of the typical sensors. Q-factor is 6800.



The sensor is applied to detect the glucose concentration in human body. The photoacoustic signal is detected by the acoustic sensors. Test measurement on a phantom shows linear relationship with glucose concentration.

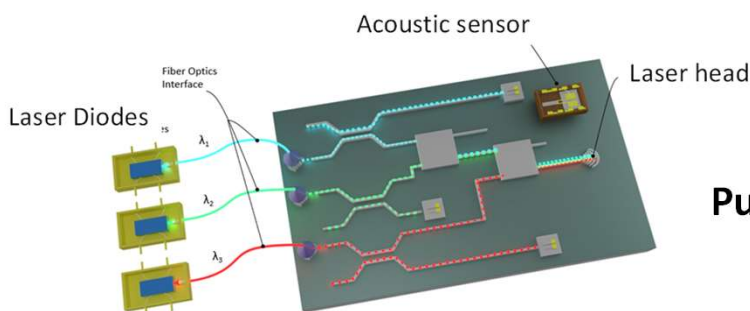


Photo-acoustic inspection device
with the acoustic sensors

There are various applications to
non-destructive inspection

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