



Researchers at the Siteman Center of Cancer Nanotechnology Excellence at Washington University School of Medicine are leveraging techniques developed with the semiconductor industry to develop sub-cellular imaging arrays. This custom fabricated silicon wafer is patterned with arrays of ultra-high frequency ultrasound transducers. Designed to operate in the low-GHz frequency range, real-time 3-D volumetric images of living cells will be obtainable with sub-micron resolution.

*Credit: Kirk D. Wallace, Ph.D.*

## JUNE 2014

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