

Lab on the Skin

presented by Professor John Rogers
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6:30 - 8:00pm

The Firehouse Grill
750 Chicago Avenue
Evanston

A research team under the guidance of John Rogers, has developed a first-of-its-kind soft, flexible microfluidic device that easily adheres to the skin and measures the wearer's sweat to show how his or her body is responding to exercise.

A little larger than a quarter and about the same thickness, the simple, low-cost device, analyzes key biomarkers to help a person decide quickly if any adjustments, such as drinking more water or replenishing electrolytes, need to be made or if something is medically awry. Designed for one-time use of a few hours, the device, placed directly on the skin of the forearm or back, even detects the presence of a biomarker for cystic fibrosis. In the future, it may be more broadly used for disease diagnosis.

Come on out to hear about this new discovery - 'lab on the skin' a wearable, skin-like microfluidic system which enables new measurement capabilities currently not possible. It may someday change our lives.