

Abstract Submitted
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Detection of DNA using longitudinally-displaced microelectrodes along a microfluidic channel as voltage probes¹ SUNGCHEOL KIM, VENKAT BALAGURUSAMY, PAUL WEINGER, XINSHENG SEAN LING, Brown University, ROBERT RIEHN, NC State University — In this talk, we describe a micron-scale prototype of a novel device concept [1] of longitudinally-displaced nanoelectrodes along a nanoscale fluidic channel as voltage probes for DNA detection. Preliminary results of simultaneous fluorescence imaging and voltage sensing will be presented.

[1] X. S. Ling, abstract in this meeting.

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Xinsheng Ling
Brown University

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