



Featuring work from the group of Professor R. Bashir in the Department of Electrical and Computer Engineering, the Department of Bioengineering, and the Micro and Nanotechnology Laboratory (MNTL), University of Illinois at Urbana-Champaign, Urbana, IL, USA.

Title: Localized heating on silicon field effect transistors: Device fabrication and temperature measurements in fluid.

A new dimension to present sensing systems is introduced by enabling dual purpose silicon transistor-heaters that serve both as field effect sensors and temperature controllers that could perform localized bio-chemical reactions.

As featured in:



See Bashir *et al.*, *Lab Chip*, 2009, **9**, 2789–2795.