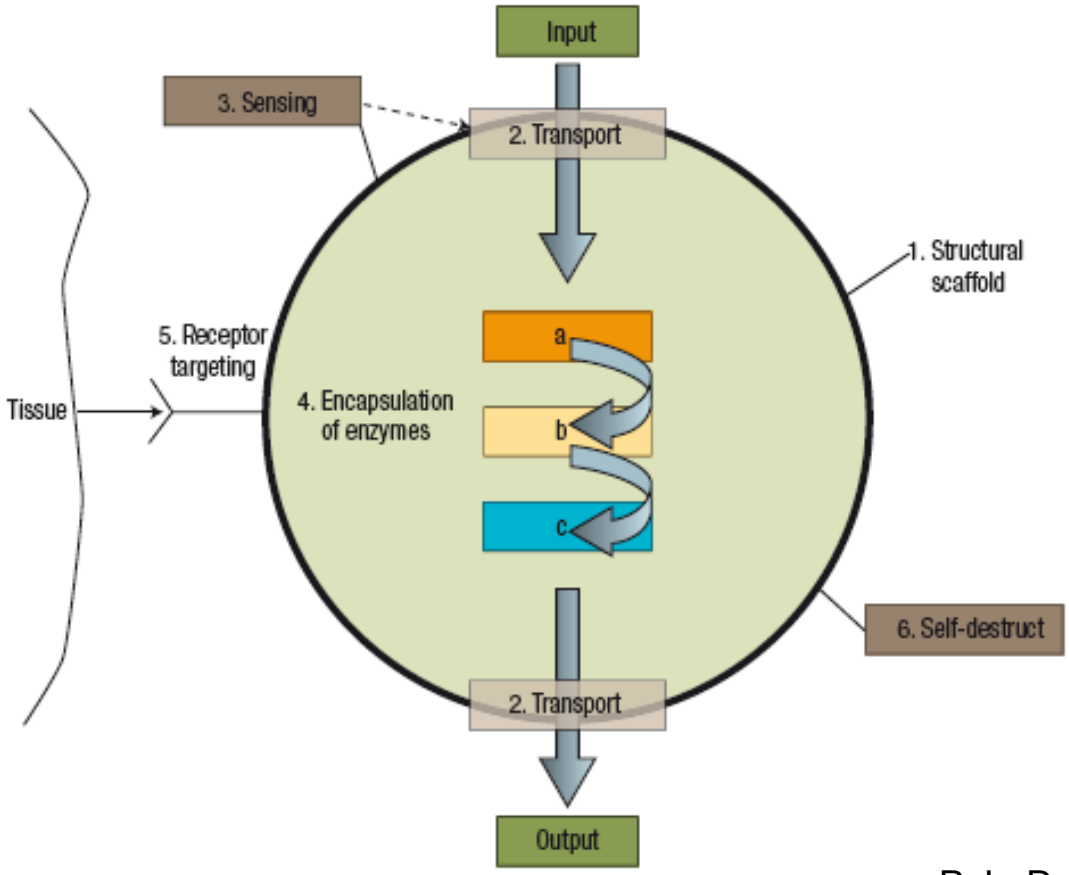
Bio-FET Sensors for the Living Cell Panel

SRC/NSF Forum on NanoMorphic Systems

R.M. Westervelt
Harvard University

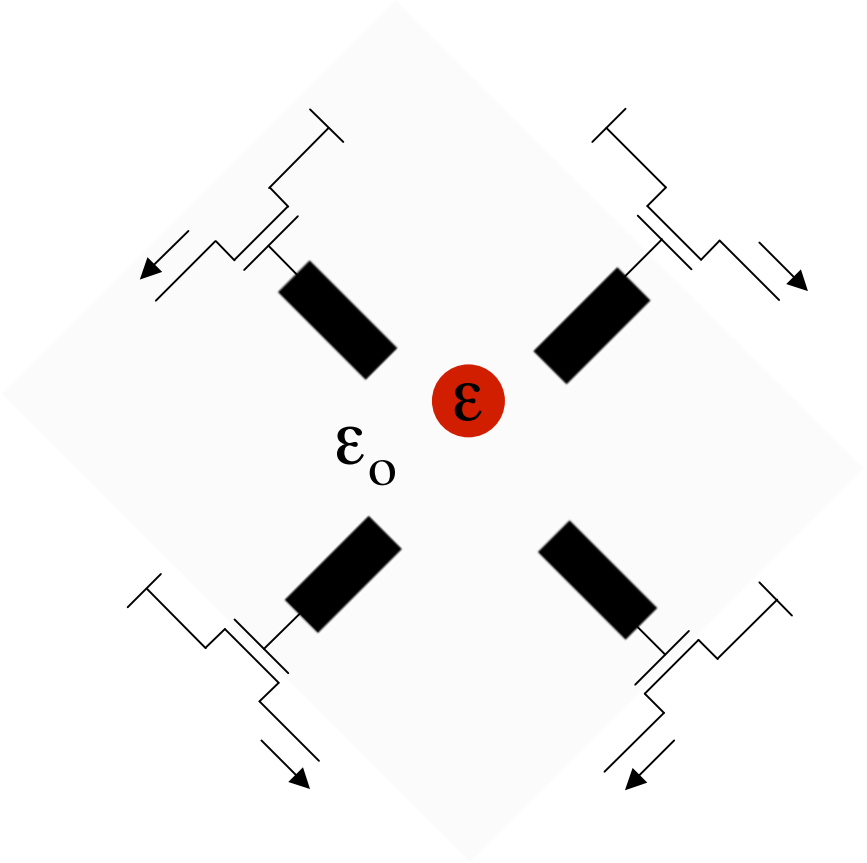
Biologically Inspired Nanofactory

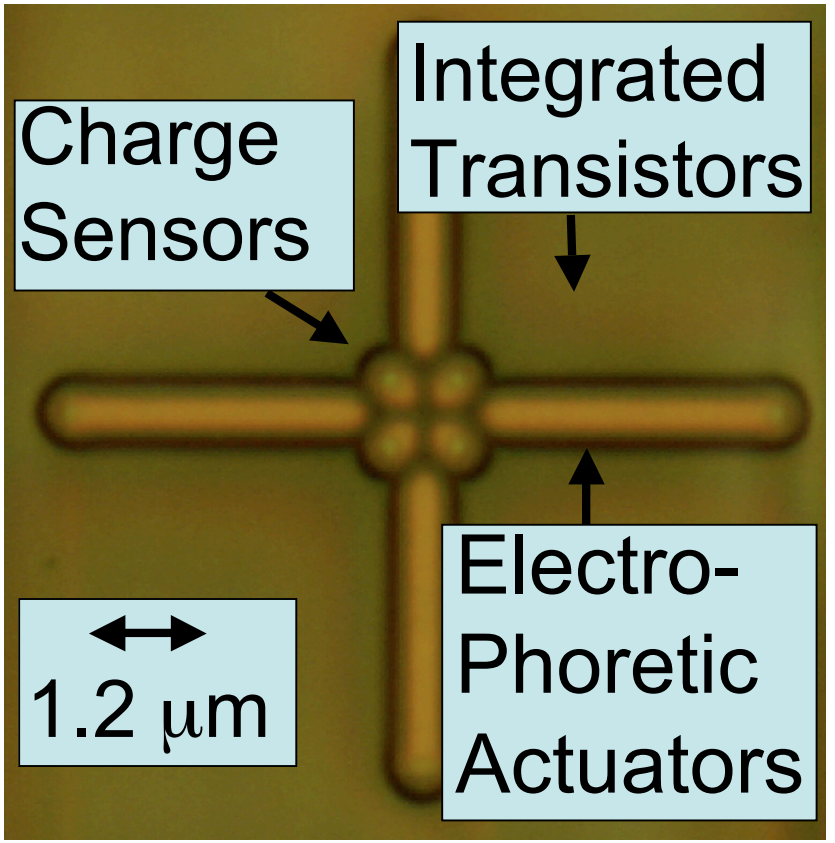


Proposal to use naturally available molecules *in vivo* and convert them into active therapeutics by designing pseudo-cell factories.

P. LeDuc et al. "Towards an *in vivo* biologically inspired nanofactory", Nature Nanotech **2**, 3 (2007).

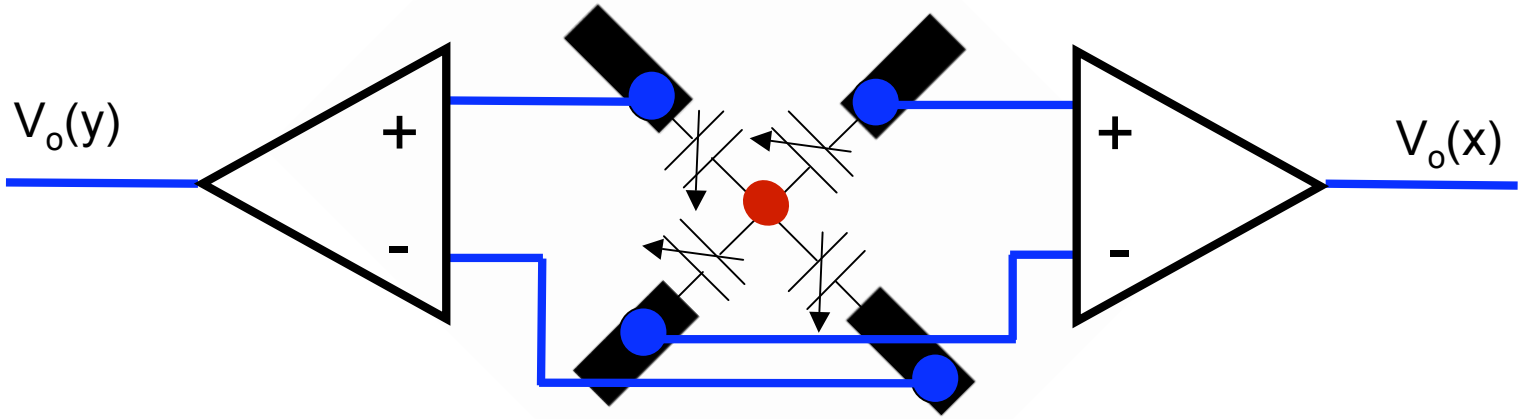
IC Charge Sensors and Electrophoretic Actuators

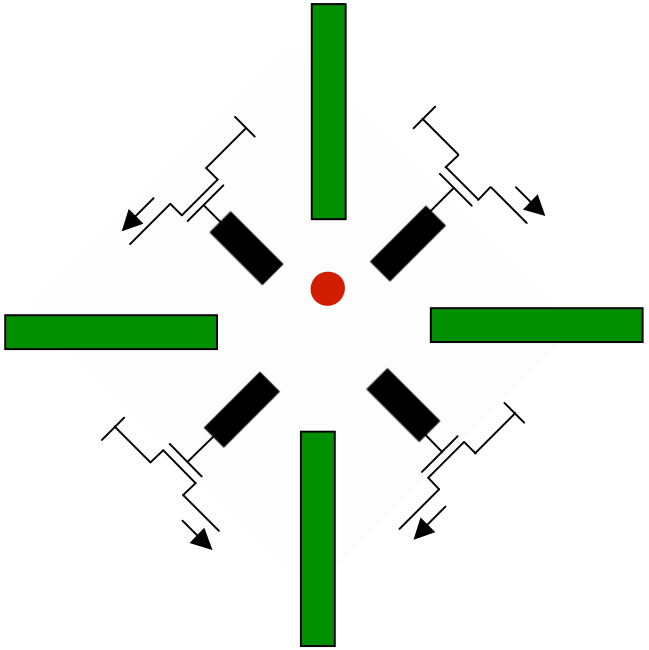


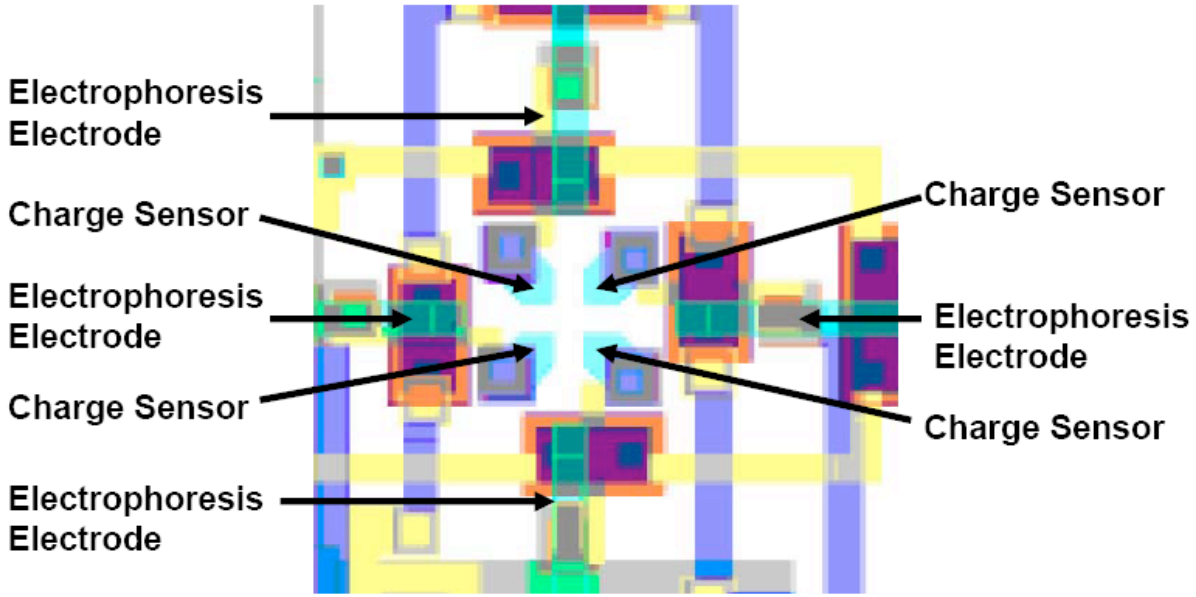


David Issadore

Charge Sensors to 'See' a Particle and Control its Motion

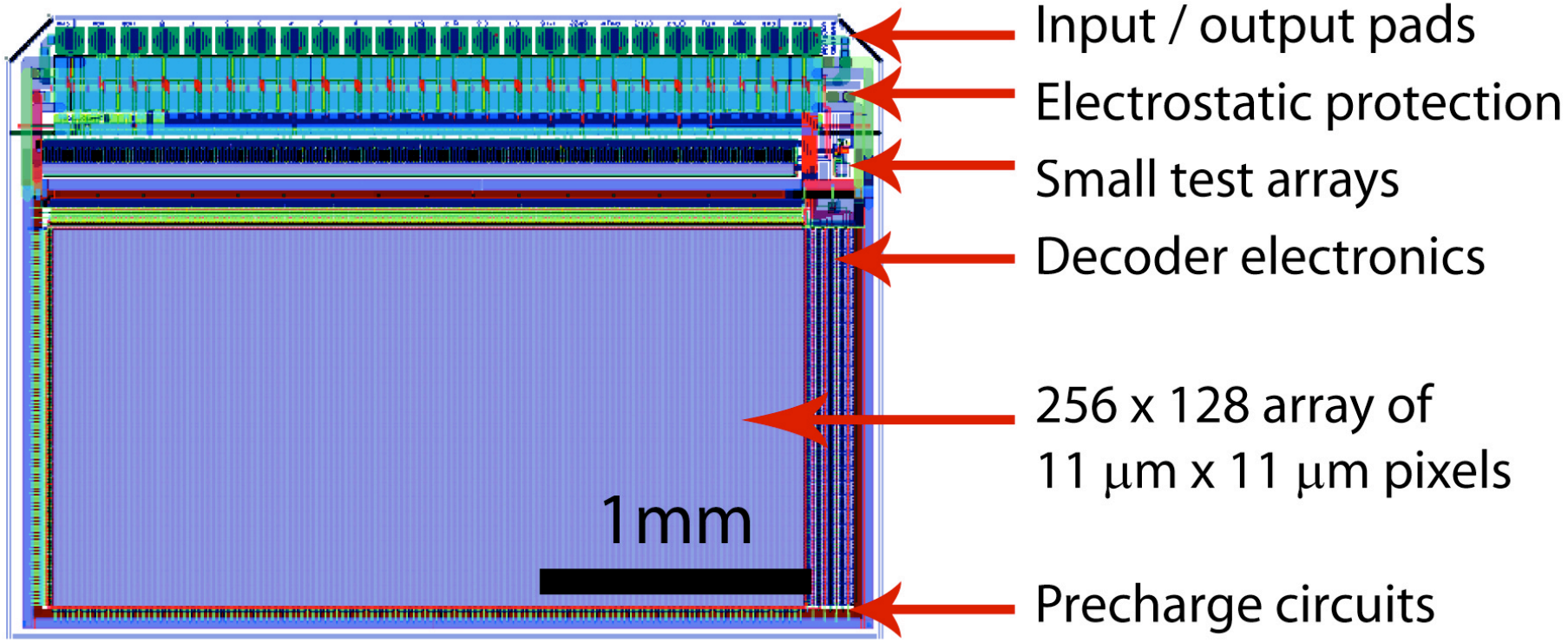






David Issadore

CMOS / Microfluidic Dielectrophoresis Array to Manipulate Biological Cells



T. Hunt *et al.* Lab on Chip, in press (2007).

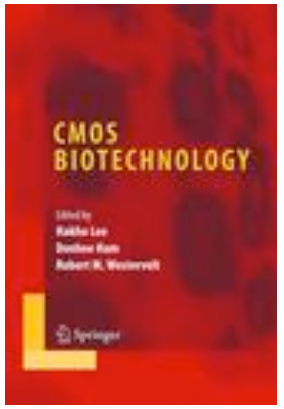
Tom Hunt, Dave Issadore

CMOS Biotechnology

Lee, Ham and Westervelt, Eds. (Springer, 2007).

in the series ***Integrated Circuits and Systems***,

edited by Chandrakasan.



"Silicon that Sees and Moves Small Living Things"

Ham and Westervelt,

IEEE Solid State Circuits Society News 12, 4 (Fall 2007).