

Nanofluidics, Inc., Is Revolutionizing the Bioanalysis Industry

Nanofluidics, Inc. (NFI) is a new company spun from technology developed in Cornell's Nanobiotechnology Center (NBTC) to commercialize a suite of tools dealing with fluidics at the nanoscale. Working with the Cornell Research Foundation to license technology and forging ahead in the development of new intellectual property, NFI's vision of single-molecule analysis will propel the bioassay industry into a new regime. Contemporary fluidics companies such as Caliper™ and Aclara™ have employed fluidics at the microscale to reduce consumption of costly reagents and decrease the size of components. NFI, in contrast, is exploring critical dimensions more than 1,000 times smaller than these forerunners in order to exploit fundamentally new behaviors of biomolecules that emerge only in nanoscale structures. The new behaviors can lead to previously unexpected abilities, some having price and performance parameters 100 times better than established products. These methods present a host of opportunities. Therefore, NFI's current primary activity is the exploration of markets in several areas where NFI technology can dramatically improve throughput or reduce cost.

Harold G. Craighead, professor of Applied and Engineering Physics, Cornell alumnus, former Interim Dean of Cornell's College of Engineering, and former director of both the Cornell Nanofabrication Facility and the Nanobiotechnology Center, has pioneered the applications of nanostructures to problems of biological interest for more than a decade. The seminal work of Craighead and his research group at Cornell has been instrumental in guiding the course of nanobiotechnology, a field that has generated keen interest in both academic and industrial circles.

Stephen W. Turner
President, Nanofluidics, Inc.



Stephen Turner (l.) and Harold Craighead (r.)

"NFI's vision of single-molecule analysis will propel the bioassay industry into a new regime."



For more information:

Nanofluidics, Inc.
17 Sheraton Drive
Ithaca, NY 14850-1677
(607) 257-5437
sturner@nanofluidics.com
<http://www.nanofluidics.com>