ENG Programs

Biophotonics (Leon Esterowitz):
Nanoscale sensing, optogenetics, nanophotonics

Nano-Biosensing (Raj Mutharasan):
Multifunctional nanomaterials for biosensing, nano-interfaces, -biosensors

EHS-Nanotech (Nora Savage):
Impact of complex/heterogeneous nanomaterials on health, safety, prevention, tools

SBIR/STTR (Ruth Shuman/Ben Schrag):
Early stage R&D for transformational tech, high risk/high potential
How to Get Details of What is Funded

What Has Been Funded (Recent Awards Made Through This Program, with Abstracts)

Map of Recent Awards Made Through This Program

News

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Sort By: Relevance

Results size: Page 1 of 4 Displaying 1 - 30 of 117

INSPIRE: Mimicking the Functional Complexity of Biology with Man-Made Systems
Award Number: 1243082; Principal Investigator: Neal Woodbury; Co-Principal Investigator: Hao Yan, Stephen Johnston, Stuart Lindsay, Robert Gennis, Colin Wraith; Organization: Arizona State University; NSF Organization: MCB Award Date: 07/15/2012; Award Amount: $999,904.00; Relevance: 48.0;

A Single Particle Imaging Approach for the Detection of Virus Phosphoproteins in a Mixture
Biophotonics/EFRI: Next Gen on-Chip Platforms

- Multiplexed diagnostics integrating:
  - Nanobiosensors with nanofluidic delivery
  - Nanophotonic waveguides and arrays
  - Mini-light sources
  - Software and processing algorithms
  - Shared data = big data

Josep Jornet, SUNY at Buffalo
Early-stage research and development at small businesses:

Phase I: 150 - 225 k/6-12 mos.
Phase II: 750 k/2 yrs
Phase IIB: private sector + 500 k/2 yrs

Optofluidics*:
Near-field Raman for particle identification

*http://www.opfluid.com/#!nanoparticle-identification/c1ygk