

# Cancer Detection and Diagnostics Technologies for Global Health Technologies and Prototypes Demonstration

August 22, 2011 5:20 – 7:00 p.m.

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1. **Paul Yager**, *Univ. of Washington* Microfluidics 2.0: Dropping The Costs for Diagnostic Tests and Screening
2. **Aydogan Ozcan**, *UCLA* Photonics Based Telemedicine Technologies Toward Smart Global Health Systems
3. **Micelle Khine**, *Univ. California, Irvine* Shrink-Film Microfluidics for Inexpensive and Rapid Devices
4. **Samuel Sia**, *Columbia Univ.* Microfluidics for Global Health Diagnostics
5. **Josh Balsam**, *FDA* Low Cost Optical Biosensing for Global Health
6. **Shan Wang**, *Stanford Univ.* Bench Top and Handheld Magneto-Nanosensor Platform for Multivariate In Vitro Diagnostics Of Cancer
7. **Steve Soper**, *Louisiana State Univ.* Thermoplastics Replication for Low Cost Microfluidics and LOC
8. **Haim Bau**, *Univ. of Pennsylvania* Molecular Diagnostics at the Point of Testing
9. **Brian Garra**, *FDA* Volume Scan Ultrasound for Health Care in Rural Under-Resourced Environments
10. **Rebecca Richards-Kortum**, *Rice Univ.* Multi-Modal Optical Imaging to Improve Early Detection of Cancer in Low Resource Settings
11. **Woonggyu Jung**, *Univ. of Illinois* Handheld Optical Imaging Scanner for Advanced Point of Care Diagnostics
12. **Anuradha Godavarty**, *Florida International Univ.* Hand-held Optical Imager Towards Spectroscopic and Tomographic Imaging of the Breast
13. **Jae Chung**, *Univ. of Wash.* Mems/Nanotechnology
14. **Syed Hashsham**, *Michigan State Univ.* Rapid and Inexpensive Gene Analyzer
15. **Roger Peck**, *PATH* Technologies to Expand Cervical Cancer Screening Coverage in Low Resource Settings
16. **Scott Phillips**, *Pennsylvania State Univ.* Paper-Based Microfluidic Device
17. **Bing Yu**, *Duke Univ.* Optic Sensor for Detection of Oral and Cervical Cancer
18. **Anthony Williams**, *Univ. of Miami* Microfilter Device for Tumor Cell Capture and Analysis
19. **Guiren Wang**, *Univ. of South Carolina* Microfluidics for Isolation and Enrichment of Cancer Cells
20. **Nenad Markovic**, *Global Acad. Women's Health* Low Cost Devices and Telemedicine Help Reducing Health Disparities
21. **Yu Xiang**, *Univ. of Illinois* Using Portable Glucose Meters for Low-Cost Quantification of Various Non-Glucose Analytes Related to Health
22. **Samir Iqbal**, *Univ. of Texas at Arlington* Circulating Tumor Cells in Microfluidic Devices for Global Health
23. **Jeff Tza-Huei Wang**, *Johns Hopkins Univ.* Quantum dots and Microfluidics for Rapid Screening of Cell-Free DNA Biomarkers
24. **Matthew Mancuso**, *Cornell Univ.* Herpes virus (KSHV) Fetection
25. **Lidong Qin**, *Cornell Univ.* Integrated Microfluidic devices for Assays of Cancer Cell Migration, Invasion,
26. **Johannes Schweizer**, *Arbor Vita corp.* Lateral-flow Test for Detection of Cervical Pre-Cancer and Cancer in Low-Resource Settings
27. **Christine Andres**, *Univ. of Michigan* SWNT-Paper Sensor
28. **Cha-Mei Tang** *Creatv MicroTech* Isolation of Circulating Tumor Cells using High Precision Microfilters
29. **Maja Pleic**, *Harvard* Book Presentation
30. **Ellen Chen**, *ABS, Inc.* Powering the Medical Devices in the Global Health Setting