

# **EMERGING TECHNOLOGIES TO ENABLE QUANTITATIVE RAPID TESTS**

## **A "Hands On" BioDot Workshop**

*Co-Sponsored by:*

**Adhesives  
Research**

**3M**

**G&L Precision  
Die Cutting**

**LasX  
Industries**

**Quansys  
Biosciences**

**Millipore  
Corporation**

June 23 - 25, 2008

St. Paul Hotel

St. Paul, MN

## DAY ONE:

**Monday, 23<sup>rd</sup> June, 2008**

Session Chair: Bryan Haffer

2:00 – 2:30	Registration
2:30 – 3:00	<b>Welcome &amp; Introductions</b>
3:00 – 3:45	<i>Keynote Speaker:</i> <b>Emerging Technologies to Enable Quantitative Rapid Tests</b> Dr. Cristina Thomas, Lab Manager for Safety & Security, 3M
3:45 – 4:30	<b>Multiplex Detection of Proteinaceous Toxins in Food</b> Dr. Eric Garber, FDA. CFSAN
4:30 – 4:45	Break
4:45 – 5:30	<b>High Speed Interferometric Detection of Label-Free Immunoassays using Bio-Discs</b> Dr. Jeff Goddard, VP Business Development, Quadraspec
5:30 - 6:15	<b>Lasers as a Converting Tool for Next Generation Medical Diagnostics Devices</b> Thomas Daul, Precision Converting Manager, LasX Industries
6:15 – 8:30	<b>Opening Reception at 3M Innovation Center</b>

## DAY TWO:

**Tuesday, 24<sup>th</sup> June, 2008**

Session Chair: Chuck Adams

7:30 – 8:30 Continental Breakfast

8:30 – 9:15	<b>Materials and Processes for Microfluidics</b> Dr. Dale Larson, Bioanalytical Group, 3M
9:15 – 10:00	<b>Diagnostic Platform – backing cards, cover tapes and biosensor components</b> Jennifer Ponti, Director of Sales & Marketing, G&L Precision Die Cutting
10:00 – 10:30	Coffee Break
10:30 – 11:15	<b>Hi-Flow™ Plus Membranes in Lateral Flow Assays</b> Dr. Michael Mansfield, Applications Development Manager, Millipore Corp.
11:15 – 12:00	<b>Transitioning from Development to Manufacturing Rapid Tests</b> Dr. Tom Tisone, President, BioDot Inc
12:00 – 12:45	Lunch
1:00 – 1:45	<b>New Lateral Flow Technology: Dual Path Platform (DPP™)</b> Dr. Javan Esfandiari, Vice President of R & D, Chembio Diagnostics
1:45 – 2:45	<b><i>Practical 1: Dispensing Biosensor &amp; Biochip Rapid Tests: 2 Stations</i></b>
2:45 – 3:15	Coffee Break
3:15 – 4:00	<b>Rapid Fluorescent Assays: Intermolecular Dimerization as a Novel Approach</b> Dr. Ai-Ping Wei, Staff Scientist, 3M
4:00 – 5:00	<b><i>Practical 2: Dispensing Lateral Flow Rapid Tests: 2 Stations</i></b>
5:00 – 5:30	<b>Rapid IVD testing using Planar Waveguide Biosensors</b> Dr. Jim Herron, Associate Professor, University of Utah
6:00	Meet in the lobby for dinner

## DAY THREE:

**Wednesday, 25<sup>th</sup> June, 2008**

Session Chair: Brian Kirk

7:30 – 8:30	Continental Breakfast, Hotel Checkout
8:30 – 9:15	<b>Adhesives and Tapes for Lateral Flow &amp; Biosensor Applications</b> Dr. Bill Meathrel, Scientist, Adhesives Research
9:15 – 10:00	<b>Development, Validation, and Application of Antibody Arrays</b> Matt Groll, Vice President R&D, Quansys Biosciences
10:00 – 10:45	<b>High Volume Manufacturing of Biochips</b> Dr. Holger Eickoff, CEO, Scienion
10:45 – 11:00	Coffee Break
11:00 – 12:00	<b><i>Practical 3: Processing Biochip &amp; Biosensors: 3 Stations</i></b>
12:00 – 12:45	Lunch
12:45 – 1:30	<b>Rapid Isothermal Nucleic Assays for the Detection of Pathogens</b> Dr. Richard Roth, Principal Investigator, Ionian Technologies
1:30 – 2:15	<b><i>Practical 4: Processing Lateral Flow: 2 Stations</i></b>
2:15 – 2:30	Coffee Break
2:30 – 3:15	<b>Fluorescent Assays for Sterilization Assurance</b> Dr. Bill Foltz, Healthcare Medical Division, 3M
3:15 – 4:30	<b><i>Practical 5: Interpretation of Rapid Test: 4 Stations</i></b>
4:30 – 4:50	<b>The Future of Quantitative Rapid Tests</b> Dr. Cristina Thomas, Lab Manager for Safety & Security, 3M
5:00	Close of Meeting and Certificate Distribution