

# The Third National Conference on Environmental Sampling and Detection for Bio-Threat Agents

**Day 1 - Tuesday December 2, 2008**

**Full Sit Down Breakfast 8-9 a.m.**

**9-9:30 a.m. Kickoff - John Cardarelli, PhD, Environmental Protection Agency**

**Sampling Session 1**

9:30-10:30 a.m.

**Basics of BioForensics**

Steven Drielak (EPA) chair

*Open Slot*

*Steven Schutzer (UMDJ) Guidelines for Forensic Samplings*

**Sampling Session 2**

9:30-10:30 a.m.

**The Airport Scenario: How to Deal with an Event**

Matt Gillen (NIOSH/CDC) chair

*Open Slot*

*Open Slot*

**Sampling Session 3**

9:30-10:30 a.m.

**Sampling and analysis for post decontamination and clearance**

Alan Lindquist (EPA) chair

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*Open Slot*

**Break & Posters 10:30-11 a.m.**

**Sampling Session 1**

10:45-11:45 a.m.

**Basics of BioForensics**

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**Sampling Session 2**

10:45-11:45 a.m.

**Sampling Strategy for an Incident**

*Open Slot*

*Open Slot*

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**Sampling Session 3**

10:45-11:45 a.m.

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**Buffet Lunch & Posters 12-1 p.m.**

**Sampling Session 4**

1:15-2:30 p.m.

**BioForensics - Real World Biocrime Approach**

Pete Pesenti (DHS) Chair

*On-Scene Management - FBI HMRU*

*Case Analysis in the laboratory - DHS NBFAC*

**Sampling 5**

1:15-2:30 p.m.

**R&D Dealing with Sampling in Confined Areas and Buildings**

John McKinney (TSWG) chair

Bill Kournikakis (DRES) *Invited* - The spread of spores following a letter opening

**Detection Session 1**

1:15-2:30 p.m.

**Detection Tools for First Responders**

Bob Ingram (FDNY) chair

*Carrie Poore (DoD) Suspicious Powder Screening Tools*

**Break & Posters 2:30-3 p.m.**

**Sampling Session 4**

2:45-4 p.m.

**Sampling 5**

2:45-4 p.m.

**Detection Session 2**

2:45-4 p.m.

<b>Sample Processing and Analytical Methods</b>	<b>R&amp;D Dealing with Sampling in Confined Areas and Buildings</b>	<b>Challenges in System Level Test and Evaluation</b>
Pete Pesenti (DHS) Chair	John McKinney (TSWG) chair	<i>Open Slot</i>
<i>Open Slot</i>	<i>Open Slot</i>	<i>Open Slot</i>
<i>Open Slot</i>	<i>Open Slot</i>	<i>Open Slot</i>
<b><i>Dinner on your own in Las Vegas</i></b>		

## Day 2 - Wednesday December 3, 2008

**Full Sit Down Breakfast 8-9 a.m.**

**9-9:30 a.m. Opening Remarks**

**Sampling Session 6**

9:30-10:30 a.m.

**Bio-Restoration & Decontamination**

Brian Reinhardt chair (DoD) and  
Lance Brooks (DHS) co-chairs

*Paul Benda (DoD PFPA) Project Urban Shield*

*Dino Mattorano (EPA) National Dredging Team  
(NDT) How Sampling Methods Influence Overall  
Exposure Assessment  
Tentative*

Open Slot

**Sampling Session 7**

9:30-10:30 a.m.

**Sampling Tools for First Responders**

David Ladd (Massachusetts Fire Services) chair

*Torsten Staab (LANL) A new Integrated Sampling  
Tool*

*Greg Pellar (DoD) Long Term Sample Bio-  
Preservation*

Open Slot

**Detection Session 3**

9:30-10:30 a.m.

**Detection of Emerging Threats: Seeing the  
Unknown**

Evan Skowronski (DoD) chair

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**Break & Posters 10:30-11a.m.**

**Sampling Session 6**

10:45-11:45 a.m.

**Bio-Restoration & Decontamination**

*Mike Walters (DoD) Lab & Field Testing of Sample  
Collection: Methods & Strategies (An Inter-Agency  
Approach)*

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Open Slot

**Sampling Session 7**

10:45-11:45 a.m.

**Sampling Tools for First Responders**

*Bruce Bradley - Improved Bio-Agent Recovery from  
Simulated Environmental Surfaces with Liquid Rinse-  
Vacuum Collection Systems*

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**Detection Session 4**

10:45-11:45 a.m.

**DoD Interests in International and Cooperative  
Development**

Kate Ong (DoD) Chair

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**Buffet Lunch 12-1 p.m.**

**Sampling Session 8**

1:15-2:30 p.m.

**Progress in Surface Sampling**

Matt Arduino (CDC/NIOSH) chair

*Jason Edmonds (DoD) Wet vs Dry Sampling in a  
systematic swab assessment*

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**Sampling Session 9**

1:15-2:30 p.m.

**Standards in Sampling & Detection**

Laurie Locasio (NIST) chair

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**Detection Session 5**

1:15-2:30 p.m.

**Future Directions for Reagent & Assay  
Development**

Jason Roos (DoD) chair

*TBD (BEI invited) Reagent Development Programs by  
NIAID*

*TBD (LRN invited) New Assay Development to  
Support the LRN*

Open Slot

**Break & Posters 2:30-3 p.m.**

**Sampling Session 8**

**Sampling Session 9**

**Detection Session 6**

<b>2:45-4 p.m.</b>	<b>2:45-4 p.m.</b>	<b>2:45-4 p.m.</b>
<b>Progress in Sampling</b>	<b>Standards in Sampling &amp; Detection</b>	<b>Grappling with Sample Preparation Issues</b>
<i>Warren Gardner (DoD) Cross contamination of mail during sorting: Implications for the US mail system</i>	<i>Diane Dutt (noblis) AOAC Official Method Sampling &amp; PCR Detection Studies</i>	Jason Roos (DoD) chair
Open Slot	Open Slot	TBD (JPEO-CBD tentative) Sample Prep Advances
Open Slot	Open Slot	Open Slot

**Poster Session & Cocktails 5-7 p.m.**

**Formal Dinner 7-9 p.m.**

**Speaker - Richard Falkenrath, Deputy Commissioner for Counterterrorism, New York Police Department**

# Day 3 - Thursday December 4, 2008

## Full Breakfast 8-9 a.m.

### 9-9:30 a.m. Opening Remarks

<b>Sampling Session 10</b>	<b>Detection Session 11</b>	<b>Detection Session 7</b>
9:30-10:30 a.m.	9:30-10:30 a.m.	9:30-10:30 a.m.
<b>R&amp;D Dealing with Sampling in Confined Areas and Buildings</b>	<b>Advances in Development of Autonomous Detection Systems</b>	<b>Advances in Tactical and Hand-Held Detection and Sampling</b>
John McKinney (TSWG) chair	Ed Rhyne (DHS) chair	Adam Becker (DoD) chair
<i>Bill Kournikakos (DRES) Invited - The spread of spores following a letter opening</i>	<i>Open Slot</i>	<i>Open Slot</i>
<i>Open Slot</i>	<i>Open Slot</i>	<i>Open Slot</i>

### Break & Posters 10:30-11a.m.

<b>Sampling Session 10</b>	<b>Sampling 11</b>	<b>Detection Session 8</b>
10:45-11:45 a.m.	10:45-11:45 a.m.	10:45-11:45 a.m.
<b>Statistical Sampling Models for Buildings (Interior Sampling)</b>	<b>Advances in Development of Autonomous Detection Systems</b>	<b>Evolutions of Biological Point Detection for DoD Applications</b>
John McKinney (TSWG) chair	<i>Open Slot</i>	Joe Cartelli (DoD) chair
(TBD)Software R&D on where to sample in an office	<i>Open Slot</i>	<i>Open Slot</i>
<i>Open Slot</i>	<i>Open Slot</i>	<i>Open Slot</i>
<i>Open Slot</i>	<i>Open Slot</i>	<i>Open Slot</i>

### Lunch & Posters 12-12:45 p.m.

<b>Sampling Session 12</b>	<b>Sampling 13</b>	<b>Detection Session 9</b>
1:15-2:30 p.m.	1:15-2:30 p.m.	1:15-2:30 p.m.
<b>Training Programs for First Responders</b>	<b>Indoor vs. Wide-area Sampling</b>	<b>Water Detection efforts</b>
Nancy Valentine (PNNL) chair	Penny Hitchcock (DHS) chair	Ed Conley (DoD) <i>invited</i> chair
<i>Murray Cohen (NBBTP) Principles of a Successful, Training Program for First Responders</i>	<i>Jeff Stiefel (DHS) Aerosol Detection of spores following gypsy moth eradication spraying</i>	<i>Open Slot</i>
<i>Marian Downing (University of Texas Medical Branch) Training for Police, Fire and EMS responders to Emergencies at BSL2-4</i>	<i>Open Slot</i>	<i>Open Slot</i>
<i>Barbara Seiders (PNNL)</i>	<i>Open Slot</i>	<i>Open Slot</i>

### Break 2:30-3 p.m.

<b>Sampling Session 12</b>	<b>Sampling 13</b>	<b>Detection Session 10</b>
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<b>2:45-4 p.m.</b>	<b>2:45-4 p.m.</b>	<b>2:45-4 p.m.</b>
<b>Training Programs for BioDefense</b>	<b>Indoor vs. Wide-area Sampling</b>	<b>Lessons Learned in DoD Bio Sampling Missions</b>
<i>FBI</i>	<i>Open Slot</i>	Mike Deckert (DoD) chair
<i>Patrick Cummings (Johns Hopkins University) Biodefense Laboratory Methods: Model Curriculum for Training Biodefense Professionals in Laboratory Methods</i>	<i>Open Slot</i>	<i>Open Slot</i>
<i>Roberta Burbank (PNNL) Training for Biodefense: Preparation of Responders</i>	<i>Open Slot</i>	<i>Open Slot</i>
<b>End of Conference &amp; Departure</b>		