

**4th Annual Federal Bio-Chem Detection  
R&D Opportunities**  
**April 26-28, 2006 • Washington, DC**

Supporting Organizations:



**Pre- Conference Symposium Agenda\* \*\***

**Wednesday, April 26, 2006**

- 7:00 – 8:00      *Continental Breakfast and Registration*
- 8:00 – 8:15      Welcome and Introduction by the Symposium Chair  
**R. Paul Schaudies, Ph.D.**, *Assistant Vice President Biological and Chemical Defense Division, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION*
- 8:15 – 8:45      Current State of Science and Needs in the DoD Biodefense Arena.  
**TBD, DoD**
- 8:45 – 9:15      Host Responses to Biological Infections: Diagnostic Applications  
**Marti Jett, Ph.D.**, *Chief, Department of Molecular Pathology, WALTER REED ARMY INSTITUTE OF RESEARCH*
- 9:15 – 9:55      *Morning Refreshment Break*
- 9:55 – 10:25     The Morning After: How to Remediate a Contaminated Structure  
**Karen Cavanagh, COO & General Counsel, SABRE TECHNICAL SERVICES AND BIOONE SOLUTIONS**
- 10:25 – 10:55    Current Technologies in Stand-off Chemical Detection and Identification  
**William Loerop, Senior Team Leader (acting) CB Detection, US ARMY EDGEWOOD CHEMICAL BIOLOGICAL CENTER**

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\* Each presentation will be followed by a question and answer session, providing attendees ample opportunity to ask the government representatives questions about the opportunities to collaborate with the government on the research and development of bio-chem detection technologies.

\*\* Order of presentations is subject to change.

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- 10:55 – 11:25 A Systems Engineering Approach to Identification of Biological Organisms  
**John C. Schmidt, Ph.D.**, *Director, Chem Bio Defense Technology Center,*  
NORTHROP GRUMMAN ELECTRONIC SYSTEMS
- 11:25 – 11:55 Advances in Molecular Radar Identification Technology  
**Joseph Vockley, Ph.D.**, *Research Director,* SAIC
- 11:55 – 1:35 *Group Lunch*
- 1:35 – 2:05 Development of Simple, Sensitive and Sturdy devices for Biological Detection and Identification  
**Andy McShea, Ph.D.**, *Vice President of Research,* COMBIMATRIX
- 2:05 – 2:35 A Helicase-Base Next Generations Polymerase Chain Reaction System  
**Huimin Kong, Ph.D.**, *President & CEO,* BIOHELIX
- 2:35 – 3:15 *Afternoon Refreshment Break*
- 3:15 – 3:45 Microchip Based Chemical Sensing of Chemical and Biological Toxins  
**Greg Collins, Ph.D.**, *Research Chemist,* NAVAL RESEARCH LABORATORY
- 3:45 – 4:15 Critical Steps in Design Control for FDA Identification Device Approval  
**Douglas Simpson,** *President and CEO,* CORGENIX MEDICAL CORP.
- 4:15 – 4:45 Working with the US government on Sensor Systems Evaluation  
**Peter Emanuel, Ph.D.**, JPEO-CBD (invited)
- 4:45 – 5:00 Closing Remarks by the Symposium Chair  
**R. Paul Schaudies, Ph.D.**, *Assistant Vice President of the Biological and Chemical Defense Division,* SCIENCE APPLICATIONS INTERNATIONAL CORPORATION
- 5:00 Symposium Adjourns