

## Sunday 13 April 2008

- Participants arrive at the hotels in Interlaken
- 13.00** Buses pick up participants at hotels in Interlaken for special training session
- 13.30 – 16.30** Special training session
- 16.30** Buses return to Interlaken
- 17.00 – 18.30** Registration in Hotel Metropole
- 18.00 – 18.30** Meeting of session chairs and co-chairs
- 18.30 – 20.00** Welcome party

## Monday 14 April 2008

- 08.10** Buses leave from the hotels in Interlaken

### Opening Ceremony CBMTS VII

- 09.00 – 10.00** Opening of the Meeting:  
**Dr. Marc Cadisch**, Symposium Director, Director SPIEZ LABORATORY  
**Maj. Gen. Gianpiero Lupi**, Surgeon General, Swiss Army  
**Col. Richard Price**, Symposium Co-Director  
Introductions for the CBMTS VII Symposium Chair and Co-Chair  
**Dr. Brian Davey**, Medical Director, United Nations (1)  
Chairman's Address: From Proliferation to Pandemics: Some Thoughts from the Chair
- 10.00 – 10.30** Coffee break

### Session 1 Overview on CBMTS VII

- Chair:** Jerome Donlon  
**Co-Chair:** Christian Griot
- 10.30 - 12.30** **Griot**, Christian (2)  
The Pirbright laboratory Accident; What went wrong? (Contribution from Sector 6)  
**Donlon**, Jerome (3)  
Strategic Considerations for Public Health Emergencies (Contribution from Sector 3)  
**Pellmar**, Terry (4)  
Current Research in Radiation Biodosimetry (Contribution from Sector 3)  
**Holt**, David (5)  
The Lethal Poisoning by Polonium of Mr. Alexander Litvinenko: Some Observations on Events following his Death based on Limited but Personal Experiences (Contribution from Sector 3)  
**Netesov**, Sergey (6)  
Emerging Infections in the Asian Part of Russia (Contribution from Sector 2)  
**Tresnaningsih**, Erna (7)  
Avian Influenza Transmission in Indonesia (Contribution from Sector 2)

**Note:** Above (Sector #) indicates Sector responsible for individual participant of this Session 1.

12.30 – 13.30 Lunch

<b>Session 2</b>	<b>Chemical Aspects I</b>
------------------	---------------------------

**Chair: Bhupendra Doctor**

**Co-Chair: Jiri Kassa**

- 13.30 – 15.10** **Doctor, Bhupendra (8)**  
Current Status of the Use of Bioscavengers for Protection against Chemical Warfare Agents
- Saxena, Ashima (9)**  
Developing a Broad-Spectrum Oxime for the Treatment of Nerve Agent Toxicity
- Chilukuri, Nageswararao (10)**  
Development of Recombinant Human Butyrylcholinesterase as a Bioscavenger of Organophosphorus Nerve Agents
- Kassa, Jiri (11)**  
A Comparison of the Therapeutic and Reactivating Efficacy of Newly Developed Bispyridinium Compounds (K206, K269) with Currently Available Oximes against Tabun in Rats and Mice
- Kuca, Kamil (12)**  
Structure-activity Relationship of Acetylcholinesterase Reactivators
- Musilek, Kamil (13)**  
Novel Reactivators of AChE with (E)-but-2-ene linker – Rivals for Obidoxime?

15.10 – 15.40 Coffee break

<b>Session 3</b>	<b>Crisis Management I</b>
------------------	----------------------------

**Chair: Gudrun Cassel**

**Co-Chair: Timothy Bauer**

- 15.40 – 17.20** **Baud, Frédéric (14)**  
Preparedness in France towards the Cyanide Risk
- Bauer, Timothy (15)**  
Employment of a New Approach for Estimating Hazards Resulting from a Massive Chlorine Release
- Cassel, Gudrun (16)**  
Development of Generic Scenarios for Release of Chemicals by Terrorist as a Tool for Crisis Management Teams and Public Health
- Nolan, Richard (17)**  
US National Veterinary Stockpile: Logistics Expertise Improving Animal Disease Response
- Ramabrahmam, Boppana (18)**  
Chemical Process Risk Analysis – An Overview

17.30 **Buses leave to Interlaken**

19.00 **Dinner at Hotel Metropole**

## Tuesday 15 April 2008

**07.45**                    **Buses leave from the hotels in Interlaken**

### Session 4                    **Chemical Aspects II**

**Chair:**            **Urs Brodbeck**  
**Co-Chairs:** **Ashima Saxena, Kamil Kuca**

**08.30 – 10.00**        **Kannan, Mathu (19)**  
Development of Antidote for Blistering Agents: Sulphur and Nitrogen Mustard

**Orehovec, Zvonko (20)**  
The Future of the OPCW after Chemical Weapons Destruction

#### **Presentation of POSTERS on Chemical and Biological Aspects:**

**Bajgar, Jiri (21)**  
Cholinesterase Reactivators: Mapping of their Effect in the Rat Brain (Toxicological, Biochemical and Histochemical Study)

**Jun, Daniel (22)**  
Reactivation of Human Acetylcholinesterase Inhibited by Leptophos-Oxon with Different Oxime Reactivators In Vitro

**Karasova, Jana (23)**  
Butyrylcholinesterase as Bioscavenger Protect Human Cholinesterases

**Kuca, Kamil (24)**  
Acetylcholinesterase Reactivator – Oxime HI-6 – Antidote against Nerve Agents

**Sinko, Goran (25)**  
Limitation of the Ellman Method: Cholinesterase Activity Measurement in the Presence of Oximes

**Zdanowski, Robert (26)**  
Evaluation of the Chosen Parameters of Cancerous Angiogenesis in Mice after Isopropyl-Methylphosphonofluoridate Administration

*Contributions 27 and 28 are cancelled*

**Özyurt, Gürayten (29)**  
Effect Mechanisms of some Poisons used Today and some Poisons used Yesterday

**Ramabrahmam, Boppana (30)**  
Advances in Science and Technology and the Impact of these Developments on the Chemical Weapon Convention (CWC)

**Sardas, Semra (31)**  
Arsenic Problem in Drinking Water of Developing Countries

**Dishovsky, Christophor (32)**  
Biological Markers of Intoxications with Nerve Agents

**10.00 – 10.30**        **Coffee break with Viewing of Posters Session 4**

<b>Session 5</b>	<b>Special Interest</b>
------------------	-------------------------

**Chair: Timothy Henry**

**Co-Chair: Oliver Schirk**

**10.30 – 12.30**

**Henry, Timothy (33)**

What is wrong with the Water?

**Schirk, Oliver (34)**

Measurement of Biological Warfare Substances using a quick Test System

**Wannarka, Gerald (35)**

The Auto-Injector as a Drug Delivery System

**Salmi, Hannu (36)**

Combined UV-fluorescence and Background Aerosol Monitoring for Detection of Intentional Release of Airborne Biological Agents

**Karalus, Richard (37)**

Disposable Integrated Microfluidic Microarray Tests for Simple to Use, Low Cost Identification of Infectious Agents

**Abbott, Christopher (38)**

Real-Time Medical Surveillance

**12.30 – 13.30**

Lunch

<b>Session 6</b>	<b>Medical Aspects</b>
------------------	------------------------

**Chair: Stephen Borron**

**Co-Chairs: Hakan Yaren, Pascale Ribordy**

**13.30 – 15.50**

**Borron, Stephen (39)**

Intraosseous Line Placement in the Goat by Hazardous Materials Responders and Receivers for Hydroxocobalamin Administration

**Perino, Louis (40)**

Demonstrating the Emergency Treatment of WMD Agents on the METIMAN Patient Simulator

**Stienstra, Stef (41)**

Intradermal Vaccination with a New 'Tattoo'-like Device Results in Faster Immunization

**Nambiar, Madhusoodana (42)**

Medical Countermeasures against Respiratory Toxicity and Acute Lung Injury following Inhalation Exposure to Chemical Warfare Agents

**Yaren, Hakan (43)**

Effects of Poly(ADP-RIBOSE) Polymerase Inhibition in Lung Toxicity Caused by Nitrogen Mustard in Rats

**Presentation of POSTERS on Medical Aspects**

**Baud, Frédéric (44)**

Cyanide Poisoning and Structural Fires

**Borron, Stephen (45)**

Hemodynamics after Intraosseous Administration of Hydroxocobalamin in the Goat

**Vucinic, Slavica (46)**

Acute Organophosphate Poisoning: The Standard Therapy compared to Sodium Bicarbonate as a Therapeutic Agent

**Dizaye, Kawa (47)**  
Hepatoprotective Effects of the Aqueous Extract of Pistacia Khinjuk on Acetaminophen and Carbon Tetrachloride-induced acute Liver Toxicity in Rats

**Price, Barbara (48)**  
The On-Line Journal of Medical Chemical, Biological and Radiological Defense

**Stephen, Eric (49)**  
Defence R&D Canada's Nucleic Acid-based Anti-viral Program

**Lavigne, Jacques (50)**  
Defence R&R Canada – Medical Countermeasure Program

**Hadjamberdiev, Igor (51)**  
Old Uranium Tails in Pamir

### **Presentation of POSTERS on Radiological Aspects**

**Pivovarov, Alexander (52)**  
Radiation Risk and Possible Consequences for Ukrainian Population

**Jikia, David (53)**  
Medical Management Strategy of Patients with Local Radiation Injury During Acute Phase

**Sezigen, Sermet (54)**  
CB Pharmaceutical Stockpile for Emergency Services; GATA Preparedness

**Ramabrahmam, Boppana (55)**  
Model Emergency / Disaster Management Plan. Case Study: Toxic Gas Release from a Chemical Facility

**15.50 –16.20** Coffee break with Viewing of Posters Session 6

**16.30** Buses leave to Interlaken

**18.30** Buses leave from the hotels for Symposium Dinner

**19.00 – 23.00** Symposium Dinner

## Wednesday 16 April 2008

07.45 Buses leave from the hotels in Interlaken

### Session 7 Biological Aspects I

08.30 – 10.20 **Chair: Thomas Beacorn**  
**Co-Chairs: Erna Tresnaningsih, Sumera Mahboob**

**Beacorn, Thomas** (56)

The Food Emergency Response Network in the United States

**Rao, Venkat** (57)

Converging Requirements and Emerging Challenges to Public Health

Disease Surveillance and Biosurveillance

**Weingart, Oliver** (58)

Threat of a Bioterror Attack on the Food Supply

**Stipetic, Davor** (59)

Evidence of Bio-Terrorism as Form and Method of Warfare

#### **Presentation of POSTERS on Biological Aspects**

**Stephen, Eric** (60)

DRDC's Antiviral Program

**Paniga Rudolf, Sandra** (61)

Kyrgyz-Swiss Partnership on Mutual Capacity Building for Brucellosis

**Kaonga, Kennedy** (62)

Trypanosomes in Africa: The Urgency of their Re-emergence

#### **Presentation of POSTERS on Detection and Decontamination**

**Groeflin, Rahael** (63)

Evaluation of Immunological Detection Systems (ABICAP, Bioveris

M1M, Bioplex 200, ABICAP and Sector Imager 6000) using Vaccinia

Virus as a Model

**Liu, Cheng-Che** (64)

Monoclonal Antibody-Based Lateral Flow Assay for Detection of

Botulinum Neurotoxin Type A

#### **Presentation of POSTERS from Special Session and Emerging Threats II**

**Nolan, Richard** (65)

Disaster Logistics: Important to Government Success, often Overlooked

**Bokan, Slavko** (66)

Counterproliferation of WMD, Border Security and Counter-Terrorism

(CBSC) in Southeastern Europe

10.20 – 10.50 Coffee break with Viewing of Posters Session 7

<b>Session 8</b>	<b>Radiological Aspects</b>
------------------	-----------------------------

**Chair: Francis Hérodin**

**Co-Chair: Steven Adams**

- 10.50 – 12.50** **Adams, Steven (67)**  
Innovative Radiological Countermeasure Strategies for Public Health, Emergency Response, and Medical Systems
- Hérodin, Francis (68)**  
Current and New Approaches to the Treatment of Radiation Accident Victims
- Hauer-Jensen, Martin (69)**  
Gastrointestinal Radiation Injury: Significance, Mechanisms, and Countermeasures
- Chelidze, Lia (70)**  
Radiological Accidents Conditioned by Abandoned Orphan Sources in Georgia
- Egger, Emmanuel (71)**  
DU-Ammunition: A Threat to Civilian Population?
- Smith, Darrin (72)**  
Radiation Monitoring for Large Scale Events
- 12.50 – 13.40** Lunch

<b>Session 9</b>	<b>Emerging Threats, Dual Use, BioSafety and BioSecurity I</b>
------------------	--

**Chair: Slavko Bokan**

**Co-Chair: Venkat Rao**

- 13.40 – 15.00** **Deneer, Harry (73)**  
Developing a Mechanism for the Responsible Communication of Research having dual-use Potential - An Editor's and Publisher's Perspective
- Price, Barbara (74)**  
The Promise and Threat of Nanotechnology
- Rao, Venkat (75)**  
Biosecurity and Biosafety Assessment and Enabling Technologies in Support of the Biodefense R&D Facilities
- Schütz, Martin (76)**  
Hands-On Biosafety/Biosecurity Training in a Fully Functional BSL4 Environment: The SPIEZ LABORATORY Concept
- Dudley, Joseph (77)**  
Zoonotic and Emerging Diseases Surveillance: A Global Biosecurity Imperative
- 15.00 – 15.30** Coffee break with Posters Viewing
- 15.30 – 16.00** Group Photo
- 16.00 – 17.30** **Tour of SPIEZ LABORATORY**
- 16.15** **Buses leave to Interlaken**
- 17.45** **Buses leave to Interlaken**
- 19.00** **Dinner at Hotel Metropole**

## Thursday 17 April 2008

**07.45** Buses leave from the hotels in Interlaken

### Session 10 Crisis Management II A Special US EPA Risk Assessment Session

**Chair:** Deborah McKean  
**Co-Chairs:** Tonya Nichols, Florin Paul

**08.30 – 10.20** **Bice**, Steven  
Introduction and Overview  
**McKean**, Deborah (78)  
Evaluation of Human Health Risks of Indoor Chemical Contaminants before and after Decontamination  
**Nichols**, Tonya (79)  
Risk-based Assessment and Management Activities for Responding to the Release of a Biothreat Agent  
**Taylor**, Michael (80)  
SERRA: The Use of a Knowledgebase Approach to Meet the Needs of Pre-Event Planning and Post-Event Consequence Management  
**Paul**, Florin (81)  
Crisis Management in an International Environment with an International Organization

**Round table / Panel discussion**

**10.20 – 10.50** Coffee break with Poster Viewing

### Session 11 Detection and Decontamination

**Chair:** Joseph Dudley  
**Co-Chair:** Timothy Wood

**10.50 – 12.30** **Aue**, Walter (82)  
Covering Sources of Toxic Vapors with Foam  
**Kiel**, Johnathan (83)  
Select Agent Recovery and Identification using Aptamer-Linked Immobilized Sorbent Assay  
**Wood**, Timothy (84)  
The Comparison of a Commercially Available Anthrax Detection Kit with a Novel SYBR-Green Based Assay  
**Ribordy**, Pascale (85)  
Mobile Decontamination Units in Sweden are not Effective  
**Stienstra**, Stef (86)  
Peroxide in Nanoparticles is an Effective Method to Disinfect Areas Contaminated with B-Agents

**12.30 – 13.30** Lunch

**13.30** Buses leave for Excursion and Farewell Party. Buses will stop in Interlaken for accompanied persons.

## Friday 18 April 2008

**07.45**                    **Buses leave from the hotels in Interlaken**

### Session 12            **Biological Aspects II**

**Chair:**        **Eddie Chang**  
**Co-Chair:** **Igor Dunaitsev**

**08.30 – 09.50**        **Chang, Eddie (87)**  
Metal-Ion Complexes as Potential new Broad-Spectrum Antiviral Drugs  
**Biketov, Sergey (88)**  
Preparation and Characterization of Bacillus Anthracis High - Specific  
Spore Antigen  
**Kau, Jyh-Hwa (89)**  
Antimicrobial Activity of Visible Light-Illuminated Titania Photocatalysts  
against Bacillus Anthracis  
**Mahboob, Sumera (90)**  
Gamma- $\gamma$ -Lactones as New Pharmacological Agents: Anti-Leishmanial  
Effects and Epidemic Perspective of this Infection in Pakistan

### Session 13            **Emerging Threats, Dual Use, BioSafety and BioSecurity II**

**Chair:**        **David Trudil**  
**Co-Chair:** **Harry Deneer**

**09.50 – 10.50**        **Trudil, David (91)**  
Initiatives for Proliferation Prevention  
**Ioannis, Galatas / Leitner, Peter (92)**  
Physical & Behavioral Signals for “Screeners” Indicating a Human Vector  
May Have Handled CBW Agents  
**Gareva, Radica (93)**  
Asymmetric Threats of the 21st Century from the Strategic Management  
Perspective

**10.50 – 11.20**        Farewell Coffee

### Session 14            **Closing Session: Sector Chair Review and Future Efforts**

**Chair:**        **Brian Davey**  
**Co-Chair:** **Barbara Price**

**11.20 – 12.20**        Summary of Session contributions by Sector Chair Persons  
Where should Future CBMTS Efforts be directed?  
The CBMTS VII Closing

**12.30 – 13.30**        Farewell Lunch

**13.45**                    **Buses leave to Interlaken**

**19.00**                    **Dinner at Hotel Metropole**