

“Smallpox Eradication after 30 Years: Lessons and Legacies”

Date: August 24-27, 2010

Location: Oswaldo Cruz Foundation (Fiocruz), Rio de Janeiro, Brazil

I. BACKGROUND

- Under the leadership of the World Organization, with strong support from the 31 smallpox-endemic countries and multilateral and bilateral agency partnerships, the number of smallpox cases in the world was reduced from 10 to 15 million in 1966 to zero in 1977.
- The WHO Global Commission for the Certification of Smallpox Eradication certified global eradication in 1979 and made nineteen recommendations for the post-eradication period; the Commission’s findings were ratified by the 33rd World Health Assembly in 1980.
- New control, elimination, and eradication public health programs have resulted directly and indirectly from smallpox eradication.
- Thirty years post-smallpox, many decision-makers have little knowledge of the synergy of community partnerships, health worker commitment, and the role of epidemiology, surveillance and containment strategies, research, administration, and finance that enabled smallpox eradication.

II. HYPOTHESIS

- **Experiences in smallpox eradication are contributing to development and implementation of successful programs addressing current and future global health priorities.**
- **Decision-makers in conceiving and implementing public health and development policies, strategies, and tactics will utilize smallpox and legacy program experiences.**

III. PROPOSAL

- **A global forum on smallpox eradication and its relevance to current and future health priorities will be convened in 2010, 30 years after the 33rd World Health Assembly confirmed eradication.**
- **Presenters and discussants will be persons with major leadership roles in the SEP and current programs that have used SEP principles and lessons.**

IV. Participants: “Smallpox Eradication After 30 years: Lessons and Legacies”

- **Eradication program participants from WHO regions**
- **Leaders of current legacy programs**
- **Public health workers and scientists interested in the principles and practice of disease elimination and eradication**
- **Decision-makers and leaders in public health and science**
- **Medical historians**
- **Media**

V. Full Draft Agenda

August 24, 2010 (Tues)

Day 1: OPENING CEREMONY (EVENING)

6:00 – 8:00 pm

Co-Chairs: Paulo Gadelha (Brazil), Ciro de Quadros (Brazil), Joel Breman (USA)

- **Welcome from representatives:**
 - **Ministry of Health, Brazil**
 - **Secretary of Health, Rio de Janeiro**
 - **University College, London**
 - **WHO/PAHO**
- **Keynote address: (45 minutes)**
 - Overview of the smallpox eradication program**
 - D.A. Henderson (USA)**
- **Reception**

August 25, 2010, Wednesday

DAY 2: LESSONS FROM THE SMALLPOX-ENDEMIC COUNTRIES: Illuminating experiences in program conception and execution will be shared using updated analyses from selected countries in four previously smallpox-endemic WHO regions.

8:30 – 10:00 am

- **Co-chairs: Isao Arita (Japan), Zdeno Jezek (Czechoslovakia)**
- **Topics and speakers (15 minutes each): discussants (5 minutes each) and discussion**
 - **Brazil - Joao Baptista Risi, Jr. (Brazil)**

- **West Africa – Bill Foege (USA)**
- **Democratic Republic of the Congo – Jean-Jacques Muyembe-Tamfun (DRC)**

Discussants (5 minutes each): Omeru Shehu (Nigeria) and Donald Millar (USA): 35 minute discussion

10:00 – 10:30 am Break

10:30 – 11:45 am

- **India – Ravinder Nath (RN) Basu (India)**
- **Bangladesh – Stan Foster (USA)**

Discussants (5 minutes each): Mahendra Dutta (India), Daniel Tarantola (France) and Larry Brilliant (USA): 25 minute discussion

11:45 am – 1:00 pm

- **Ethiopia - Ciro de Quadros (Brazil)**
- **Somalia – Abdulahi Deria (Somalia)**
- **Certification – Joel Breman (USA)**

Discussants (5 min each): Jim Tulloch (Australia) : 20 minute discussion

1:00 – 2:30 pm Lunch

2:30 – 3:30 pm

Co-Chairs: Svetlana Marennikova (Russia) and Joseph Esposito (USA)

- **Topics and Speakers (15 minutes each): Orthopoxviruses: research and public health issues**
 - **Status of human monkeypox, epidemiology, and research: Inger Damon (USA)**
 - **Genomic research of orthopoxviruses pathogenic for humans: Sergei Shchelkunov (Russia)**

Discussants (5 min each): Keith Dumbell (UK and RSA) and Pierre Formenty (WHO/France): 20 minute discussion

**LEGACY PROGRAMS UTILIZING THE SMALLPOX ERADICATION EXPERIENCE:
PRINCIPLES AND LESSONS-LEARNED FOR PLANNING, IMPLEMENTATION, RESEARCH,
AND EVALUATION.**

Co-Chairs: Carlyle Guerra de Macedo (Brazil); Shigeru Omi (Japan)

3:30 – 4:15 pm The Expanded Programme on Immunization: J.M. Okwo Bele

(WHO/HQ) (15 minutes)

Discussants (5 minutes): Carlyle Guerra de Macedo (Brazil); Shigeru Omi (Japan)

: 20 minute discussion

4:15 – 4:45 Break

4:45 – 6:15 pm

Historical Panel: Regional and national Smallpox Eradication Programs:

comparative historical perspectives

Co-Chairs: Paulo Gadelha (Brazil);

Participants: Sanjoy Bhattacharya (UK, India), Gilberto Hochman (Brazil), Claudia

Agostoni (Mexico)

August 26, 2010, Thursday

DAY 3: CONTINUATION OF SEP LEGACY PROGRAMS

8:30 – 10: 15 am

- **Topics and speakers (15 minutes)**
 - **The principles and feasibility of disease eradication – Walter Dowdle (USA)**

- **Polio eradication – Bruce Aylward (WHO/HQ)**
- **Guinea worm eradication - Don Hopkins (USA)**

Discussants:

- **Measles and rubella eradication – Ciro de Quadros (Brazil)**
- **Onchocerciasis control – Uche Amazigo (Burkina Faso)**

Discussants (5 minutes each): Oyewale Tomori (Nigeria), Frank Richards (USA), David Molineaux (UK): 15 minute discussion

10:15 – 10:45 am Break

10:45 – 11:45 am

- **Prospects for malaria eradication – Joel Breman (USA)**
- **Neglected tropical diseases: combining control initiatives – Peter Hotez (USA)**

Discussants (5 minutes each): Lorenzo Savioli (Italy/WHO), Gina Rabinovich (Gates/USA), David Molineaux (UK): 20 minutes discussion

GLOBAL HEALTH CHALLENGES FOR THE 21ST CENTURY: Lessons from smallpox eradication and legacy programs that can contribute to 21st century challenges.

Co-Chairs: Jamie Sepulveda (Mexico), Carlos Morel (Brazil)

11:45 am – 12:30 pm

- **Vaccines of the future: Gus Nossal (Australia) (15 minutes)**

Discussants (5 minutes each): Mike Levine (USA), Rino Rappuoli (Italy); 20 minutes discussion

12:30 – 1:45 pm Lunch

1:45 – 5:00 pm (including 30 minute break and 45 minute discussion)

- **Cross-cutting lessons from smallpox and legacy programs and recommendations: (30 minute panels) Co-Chairs: Stan Foster (USA), Peter Piot (Belgium)**

- **Epidemiological surveillance – organized by David Heymann (USA)**
- **Research – organized by Marie-Paule Kieny (WHO/HQ)**
- **Administrative and technologic support, logistics, finance, communications – organized by John Wickett (Canada) & Peter Carrasco (WHO/HQ)**
- **Capacity building, (Individuals, Teams, Institutions) – organized by Nick Ward (UK):**

45 minute discussion

5 :00 – 6 :30 pm

- **Panel: History of vaccine, vaccination development and deployment**

Chair: Jaime Benchimot (Brazil)

Presentations: Neils Brimes (Denmark), Anne-Marie Moulin (Egypt, France), Tania Fernandes (Brazil)

August 27, 3010, Friday

DAY 4: INVESTMENTS IN GLOBAL PUBLIC HEALTH

8:30 am – 12:30 pm

Co-Chairs: George Alleyne (Barbados) and Margaret Chan (WHO)

8:30 – 9:00 am

- **Keynote Address (30 minutes): Demographic and epidemiological trends and imperatives for the 21st century – Jeffrey Sachs (USA)**

9:00 – 10:30 am

Panel: Science and health diplomacy: smallpox eradication, The Cold War, and International Cooperation

Co-Chairs: Paulo Buss (Brazil)

Panelists: Randall Packard (USA), Marcos Cueto (Peru), Cristiana Bastos (Portugal)

10:30 – 11:00 am Break

11:00 – 11:30 am Closing Address: (30 minutes) What the future holds in global health – Tadataka Yamada (Gates/USA)

11:30 am - 12:00 pm Closing ceremony: Address by Paulo Gadelha (Brazil)