

ORIENTĂRI ACTUALE ÎN BOLILE INFECȚIOASE

Prof. Dr. Ludovic Păun

Membru de onoare al International Society for Infectious Diseases

Abordarea temei-concept intitulată *Diseases Emergence and Resurgence. The wildlife human connection* de către Milton Friend a fost determinantă pentru apariția în presa medicală scrisă a unui articol (24 ianuarie 2013): *About the National Center for Emerging and Zoonotic Diseases*, NCEZID; Beth Bell M.D. MPH (director al *National Center for Emerging and Zoonotic Infectious Diseases – NCEZID*).

Notă: din cauză că NCEZID este un centru nou, unele dintre următoarele pagini de web pot să nu fie aduse la zi – Beth P. Bell.

Este de o importanță deosebită desfășurarea aproape concomitentă a unor reuniuni științifice medicale:

- **15-18 februarie 2013** – 4th International Meeting on Emerging Diseases and Surveillance (imed) Viena, Austria, <http://imed/nsid.org>
- **25-28 februarie 2013** – ASM Biodefense and Emerging Diseases Research Meeting, Washington, D.C., www.unbiodefense.org

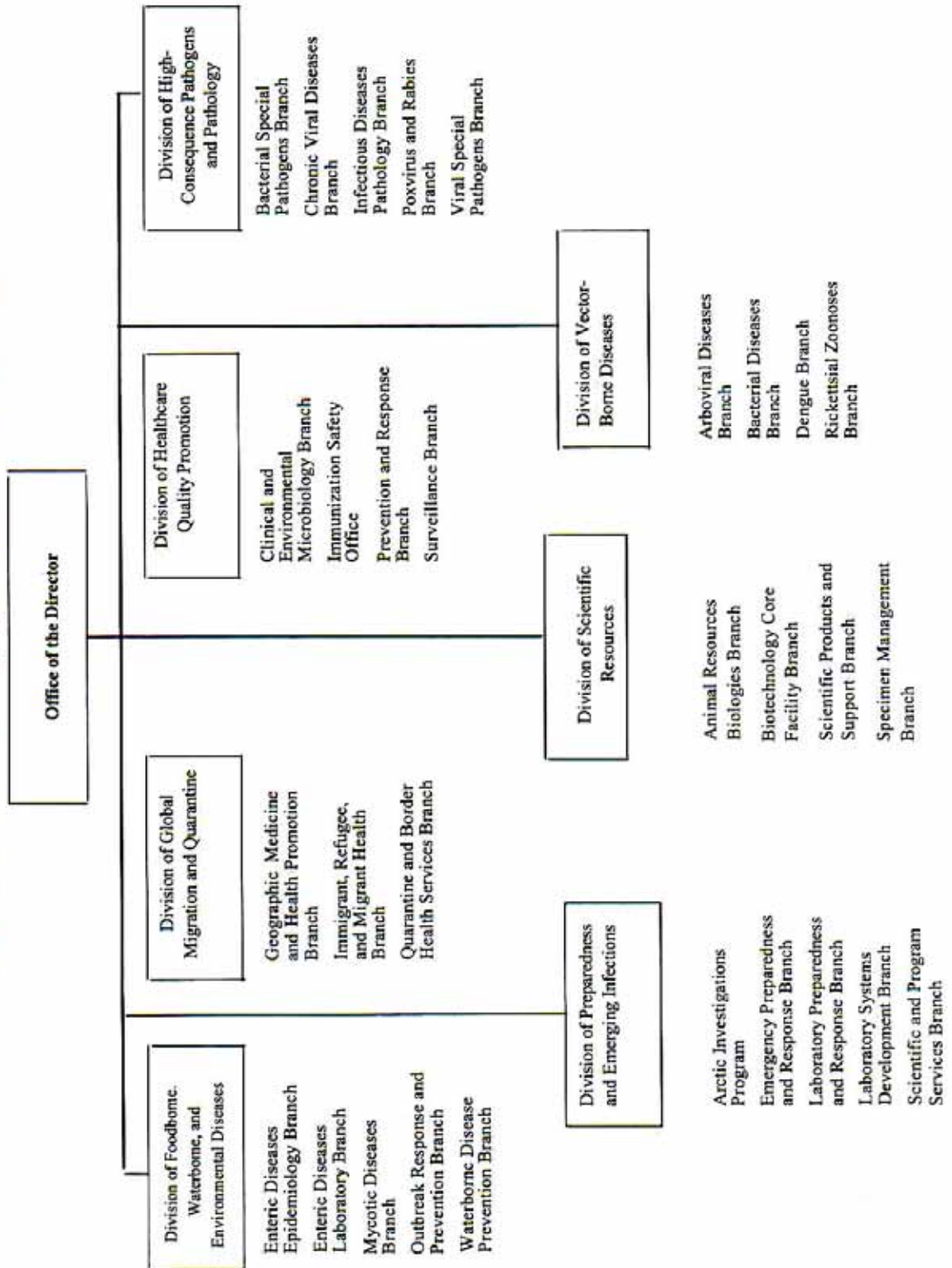
- **26-29 septembrie 2012** – Al XI-lea Congres Național de Boli Infecțioase, cu tema generală: „*Orientări actuale în bolile infecțioase acute și cronice cu etiologie infecțioasă*” și temele în dezbatere, anunțate cu trei ani în urmă (Revista Română de Boli Infecțioase, Vol. XII, Nr. 2, 2009).

Materialele dezbătute la aceste reuniuni ne permit să considerăm că este timpul reorientării domeniului bolilor infecțioase într-o abordare care să țină cont de **caracterul unitar** al patologiei infecțioase, inclusiv cu cea din mediul înconjurător, experiența epidemiologică **OMS-GOARN** și **SARS** fiind demonstrativă pentru acest concept.

Pe de altă parte, progresele în microbiologie sugerează deopotrivă succese nebănuite și protective față de pericolul armelor biologice, dar și necesitatea gestionării acestor succese *în favoarea societății civile*; NCEZID reprezintă o „*instituție-program*” care ne dă *speranțe reale*, atât din punctul de vedere al științelor medicale fundamentale, cât și pentru securitatea societății civile!

24.01.2013 CDC – About the National Center Emerging and Zoonotic Diseases – NCEZID
 Center for Diseases Control and Prevention
 CDC 24/7: Saving Lives. Protecting People.™

National Center for Emerging and Zoonotic Infectious Diseases





IMED 2013 • Vienna, Austria • February 15-18, 2013

INTERNATIONAL MEETING ON EMERGING DISEASES AND SURVEILLANCE



Scientific Sessions (updated February 14, 2013)

Plenary Lectures

Science and sensationalism, Emerging infections and Emergency!!

A. Schuchat (USA)

Friday, February 15, 2013, 14:20 - 15:00hrs

Emerging Infectious Diseases and the Hajj

Z. Memish (Saudi Arabia)

Friday, February 15, 2013, 16:30 - 17:15hrs

Emerging Fungal Threats to Animal, Plant and Ecosystem Health

M. Fisher (United Kingdom)

Saturday, February 16, 2013, 11:00 - 11:45hrs

Approach to the Global Control and Eradication of Foot and Mouth Disease

B. Vallat (France)

Sunday, February 17, 2013, 11:00 - 11:45hrs

Big Data, Industry and Disease Surveillance

A. Signorini (USA)

Monday, February 18, 2013, 11:00 - 11:45 hrs

Symposia

Ecology, Biodiversity, Climate and Emerging Infectious Diseases

Friday, February 15, 2013, 15:00 - 16:30hrs

- Different Views of Looking at Biodiversity and Health W. Karesh (USA)

- Concerns of the Biodiversity Community for Integrating Health D. Coates (Canada)
- Climate Change and Health Issues - the WHO Perspective D. Campbell-Lendrum (Switzerland)
- Wildlife Trade and Emerging Diseases - Impacts on Biodiversity and Health K. Smith (USA)

Emerging Disease Prevention

Saturday, February 16, 2013, 08:30 - 10:30hrs

- Introduction J. Lubroth (Italy)
- Strengthening Laboratory Networks and Strategies to meet the Challenges of Emerging and Transboundary Animal Diseases (TADs) threats F. Claes (Italy)
- Innovations in Surveillance J. Pinto (Italy)
- Dealing with the Biocomplexity of EIDs: An Ecosystem Health Approach D. Beltran-Alcrudo (Italy)

Of Bats and Men: Nipah and Other Infections

Saturday, February 16, 2013, 14:30 - 16:00hrs

- The Role of Bats in Nipah Virus Disease in Asia J. Epstein (USA)
- From Bats to Human-To-Human Transmission of Nipah Virus in Bangladesh H.M. Shahed Sazzad (Bangladesh)
- One Health Surveillance for Nipah Virus in Thailand S. Wacharapluesadee (Thailand)

Emerging Disease Mysteries

Saturday, February 16, 2013, 16:30 - 18:00hrs

- Nodding Disease A. Winkler (Germany)
- Magnitude and Distribution of Nodding Syndrome in Northern Uganda J. Wamala (Uganda)
- EV71 Virus P. Chua (USA)
- Zoonotic Aspects of Ebola Infection P. Formenty (Switzerland)

Vectorborne Diseases in Humans and Animals

Saturday, February 16, 2013, 16:30 - 18:00hrs

- A Novel Orthobunyavirus in European Livestock: the Emergence of Schmollenberg M. Beer (Germany)
- Emerging Zoonotic Vectorborne Diseases in Europe N. Nowotny (Austria & Oman)
- Emerging Insect Vectorborne Animal Diseases in the Eastern Mediterranean E. Klement (Israel)

Neglected Zoonotic Diseases

Sunday, February 17, 2013, 08:30 - 10:30hrs

- The Economic and Health Burden of NZDs P. Torgerson (Switzerland)
- Rabies: the Path to Elimination A.L. Willingham (Switzerland)
- Echinococcosis P. Craig (United Kingdom)
- Cysticercosis A.L. Willingham (Switzerland)

Cutting Edge Diagnostics for the Detection of Novel and Neglected Diseases

Sunday, February 17, 2013, 14:30 - 16:00hrs

- MALDI-TOF MS Beyond Bacterial and Fungal Identification J. Vila (Spain)
- Next-Generation Sequencing in Clinical Microbiology Diagnosis, What Have We Achieved So Far? P.E. Fournier (France)
- Detection of Emerging Antimicrobial Threats in Developing Countries K. Klugman (USA)

Updates from ProMED

Sunday, February 17, 2013, 14:30 - 16:00hrs

- Novel Coronavirus in the Eastern Mediterranean M. Pollack (USA)
- Continuing Global Emergence of Dengue S. Chotovichien (Thailand), Q. Nguyen (Vietnam), J. Torres (Venezuela)
- Fungal Meningitis Outbreak L. Lutwick (USA)
- Yellow Fever in Darfur, Sudan J. Woodall (Brazil), T. Yuill (USA)

Disease Surveillance

Sunday, February 17, 2013, 16:30 - 18:00hrs

- Digital Disease Surveillance J. Brownstein (USA)
- Participatory Epidemiology M. Smolinski (USA)
- Towards Synergy Between Surveillance Systems L. Vaillant (France)

Economics of Emerging Infectious Diseases

Monday, February 18, 2013, 08:30 - 10:30hrs

- Emerging Infections and Poverty L. Ivers (USA)
- Vaccination Choices and their Impact on Immunization Programs P. Manfredi (Italy)
- Externalities, Transaction Costs and Infectious Diseases P. Polgreen (USA)
- Cost-effectiveness of Disease Control Interventions D. Fisman (Canada)

Diseases with Borders

Monday, February 18, 2013, 08:30 - 10:30hrs

- Hepatitis E Outbreak at a Refugee Camp
J. Ahmed (Kenya)
- Dynamic of the Uganda Ebola Outbreak
A. Duse (South Africa)
- From Surveillance to Prevention:
developing a Risk Assessment Framework
for “novel” Emerging Infections S. Morse
(USA)
- NDM-1 and the International Spread of
Antibiotic Resistance M. Toleman (UK)

Oral Sessions**One Health in Action**

Saturday, February 16, 2013, 08:30 - 10:30 hrs

- Evaluating long-term behavior change
resulting from an intervention to prevent
Nipah virus transmission from bats to
humans in Bangladesh R. Sultana
(Bangladesh)
- Characterizing high risk disease
transmission interfaces in the global pursuit
of emerging zoonotic diseases C. Johnson
(USA)
- Rabies control in Bali: a “one health”
approach F. Abson (United Kingdom)
- Monitoring of influenza virus in pigs and
humans in Switzerland S. Bruhn
(Switzerland)
- *Coxiella burnetti* seroprevalence and risk
factors in dairy cattle farmers and farm
residents in the Netherlands J. Hautvast
(Netherlands)
- High colonization rate of farmers, their
relatives and employees at pig farms with
emerging *Clostridium difficile* PCR ribotype
078 E. Keessen (Netherlands)
- West Nile Disease in Italy: animal
surveillance activities as an early warning
system for the prevention and control of the
infection in humans D. Di Sabatino (Italy)
- Sylvatic origin and geographic spread of St.
Louis encephalitis virus S. Junglen
(Germany)
- Considerable relation with Foot-and-Mouth
Disease (FMD) infection in Japan, 2010;
traffic roads and pig farming area
R. Ushijima (Japan)
- West Nile virus in Canada: 2002-2012
H. Zheng (Canada)

- Zoonotic diseases monitored by Brazil
National IHR Focal Point from March 2006
to June 2012 M. Santos (Brazil)

Contagion’: Contemporary Viral Pathogens

Saturday, February 16, 2013, 14:30 - 16:00 hrs

- Hepatitis E Virus Antigen Detection: An
Early Diagnostic Marker R. Ratho (India)
- Evolution of H3N2 influenza viruses from
the Philippines D. Klinzing (Philippines)
- Influence of the viral membrane, inherited
from different host species, on survival of
influenza A viruses in water L. Sawoo
(France)
- Investigation of deaths due by Influenza
A(H1N1)pdm09 in Southern Brazil, July-
August, 2012 R. Soletti (Brazil)
- Enhancing the specificity of surveillance
case detection of Monkeypox in Democratic
Republic of Congo (DRC) L. Osadebe
(USA)
- First autochthonous outbreak of dengue in
the island of Madeira, October 2012: A
challenge for the European Union Region
P. Vasconcelos (Portugal)
- Dengue fever outbreak in North Eastern
Kenya, 2011 M. Obonyo (Kenya)
- Evaluation of Innate Immune response in
Acute and Fulminant Hepatitis E
M. Majumdar (India)

Infection, Detection, & Protection: Adventures in Epidemiology

Sunday, February 17, 2013, 08:30 - 10:30 hrs

- Evaluation of cholera and other diarrheal
diseases surveillance system, Niger State,
Nigeria, 2012 A. Bashorun (Nigeria)
- Surveillance during Hajj: Patterns and
causes of mortality amongst Indonesian
pilgrims G. Samaan (Australia)
- ECDC/EpiNorth epidemic intelligence
activities during EURO 2012 in Poland and
Ukraine A. Gherasim (Sweden)
- Improving capacity to investigate and
respond to emerging infectious disease
outbreaks in East and Central Africa
H. Amuguni (USA)
- Characterizing zoonotic disease outbreaks in
the United States H. Allen (USA)
- Estimating global mortality associated with
the influenza A H1N1 pandemic in 2009: the

WHO Global Pandemic Mortality

Assessment (GLaMOR) project

P. Spreeuwenberg (Netherlands)

- Domestic birds as surveillance systems for monitoring West Nile virus lineage 2 enzootic circulation: three years of experience in Greece C. Dovas (Greece)
- Weekly monitoring of human cases of West Nile fever: an efficient way to assess the evolution of the disease in Europe L. Marrama Rakotoarivony (Sweden)
- Determinants of active participation in internet-based surveillance survey D. Paolotti (Italy)
- An investigation of *Salmonella* Enteritidis PT1 cases linked to consumption of a pasteurised liquid egg white product in England and Wales, 2012 O. Esan (United Kingdom)
- Effects of climate change on the distribution of bluetongue and epizootic haemorrhagic disease vector in Southern Alberta (Canada) and Montana(USA) A. Zuliani (Canada)

Hot Topics

Sunday, February 17, 2013, 14:30 - 16:00 hrs

- Anthrax pleural effusions and drainage 1979-2011: A Russia-USA partnership study. D. Lucey (USA)
- Schmallenberg virus – Harmonised European data collection for a emerging disease A. Afonso (Italy)
- No evidence for zoonotic transmission of Schmallenberg virus in areas with veterinary activity C. Reusken (Netherlands)
- The interaction of the spike glycoproteins of bat-borne SARS-like-CoVs with chiropteran cells during the entry process M. Hoffmann (Germany)
- Sequelae of human Cryptosporidiosis in patients living in Östersund during a large waterborne outbreak J. Lindh (Sweden)
- Evolution of gonococcal strain susceptibility to antibiotics in France: data from a national sentinel surveillance network, 2001-2012 A. Goubard (France)



SHEA

Spring 2013 Conference

May 1 - 4, 2013
Atlanta, GA



Advancing Healthcare Epidemiology and the Role of the Environment

This conference is designed for healthcare professionals to support the advancement of healthcare epidemiology, infection prevention, surveillance, research methods, patient safety and quality improvement.

FEATURING:

The SHEA Epi Project

A competition designed to identify important research proposals that can shape our understanding of transmission, prevention methods and implementation issues. [Learn more](#) >

3 Program Tracks

- Basic Training in Healthcare Epi >
- Surveillance: Beyond the Basics >
- Role of the Environment >

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