

History of Collaboration between

**School of Veterinary Medicine
University of Zambia**

and

**School of Veterinary Medicine and
Research Center for Zoonosis Control
Hokkaido University**

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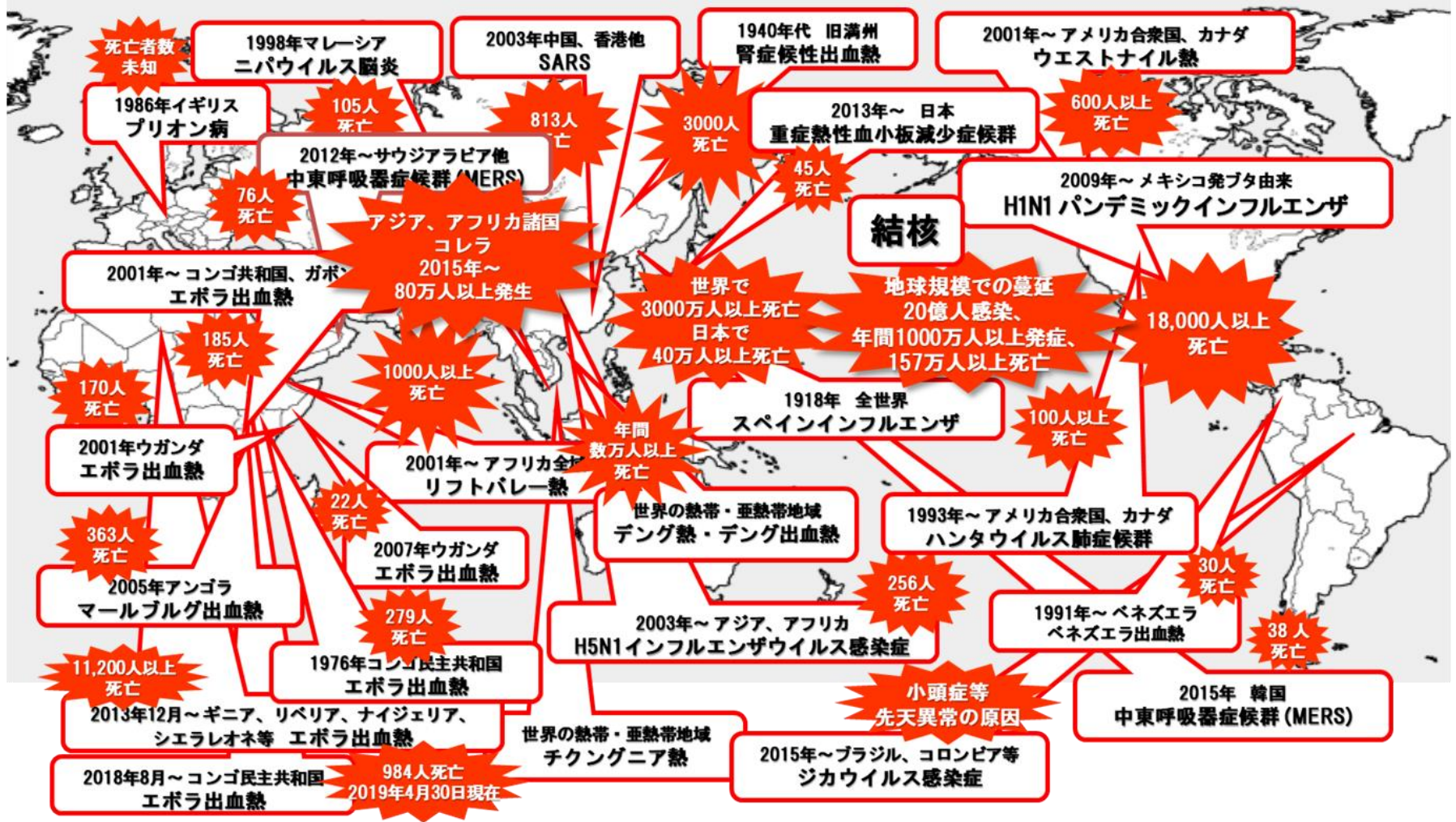
Head, Research Center for the Control of Infectious Diseases, Nagasaki University

Head, WHO Collaborating Centre for Zoonoses Control

Member of the OIE Reference Laboratory for Avian Influenza

Member of the Japan Academy, Person of Cultural Merit

Outbreaks of emerging and re-emerging infectious diseases



All of these diseases are zoonoses.

Novel zoonoses caused by pathogens persisting in nature are emerging one after another.

Points for the control of zoonoses

We must accept the fact that **zoonoses are not eradicable** since the causative pathogens are introduced from wildlife in nature. Zoonoses, therefore, can be controlled only by taking preemptive measures to predict and prevent the outbreaks.

For the establishment of preemptive measures against zoonoses, a prerequisite is to identify **natural host** animals carrying potential pathogens, and to elucidate the **transmission routes** and **factors responsible for the spread and pathogenesis of infections**.

In addition to promoting basic research on zoonoses, there is a pressing need to develop effective measures for **diagnosis, prophylaxis and therapy**, to widely disseminate information and technology, and **to bring up experts who are responsible for the control of zoonoses**.

We are, thus, carrying out coherent scientific and educational activities for the control of zoonoses by international collaboration under the umbrella of **One World, One Health** concept.

Samora Machel School of Veterinary Medicine, University of Zambia



The Samora Machel School of Veterinary Medicine, University of Zambia was established in 1985.

Collaboration between UNZA-Vet Med and Hokkaido University has been continued for 34 years.

Hokkaido University Research Center for Zoonosis Control



Established on 1 April 2005

Hokkaido University Research Center for Zoonosis Control conducts;

- 1) to identify natural host and elucidation of the route of transmission of pathogens
- 2) to develop measures for diagnosis and prevention of zoonoses
- 3) to clarify the molecular basis of pathogenesis of zoonoses
- 4) to bring up “Zoonosis Control Experts” responsible for the control of zoonoses

Collaboration between UNZA and Research Center for Zoonosis Control, HU

- 2007**
- The School of Veterinary Medicine, UNZA and CZC exchanged MOU.
 - This agreement sets forth framework for reciprocal cooperation to carry out researches on zoonoses in Africa.
 - Dr. Mweene was inaugurated as the eighth Dean, the first graduate from the School of Veterinary Medicine, UNZA, and the graduate from the Graduate School of Veterinary Medicine, HU.
- 2008**
- The Hokudai Center for Zoonosis Control in Zambia (HUCZCZ) with the biosafety Leve-3 (BSL-3) laboratory was set up at the School of Veterinary Medicine, UNZA.
 - Former President K. Kaunda attended at the BSL-3 Lab opening ceremony.



Funding for activities between Zambia and Japan last ten years

Funding body	Program	Term	Major targets
MEXT	Program of Founding Research Centers for Emerging and Reemerging Infectious Diseases	2005-2010	Zoonoses
MEXT	Global COE	2008-2013	Zoonoses & wildlife Biology
JST/JICA	Science and Technology Research Partnership for Sustainable Development	2008-2013	Trypanosoma TB, Human
JST	Strategic International Cooperative Program	2008-2010	<i>Theileria parva</i> , <i>Ehrlichia ruminantium</i>
JSPS	Grant-in Aids for Scientific Research	2007-2010	Human and animal trypanosomes, tsetse fly
MEXT	Japan Initiative for Global Research Network on Infectious Diseases (J-GRID)	2010-2015	Zoonoses
JST/JICA AMED	Science and Technology Research Partnership for Sustainable Development	2013-2017	Viral Zoonoses (Influenza and Hemorrhagic fever)
AMED	Emerging / Re-emerging Infectious Diseases Project of Japan	2015-2020	Influenza, Dengue, Drug-resistance bacterium, diarrheal infection, Tuberculosis, Chikungunya

**Dear Aaron Mweene,
Congratulations !!!
on your award,**

**“The African Center of Excellence
for Emerging and Zoonotic Diseases”**

**adopted by the World Bank
on 26 May 2016.**



Mr. Edgar Lung, President of Republic of Zambia

On Banquet Dinner Party at the Prime Minister's Residence, Tokyo 19 December 2018