

DR. KENNEDY
ALLISON CHIBWE
PUBLIC HEALTH
SPECIALIST, KABWE
ZAMBIA

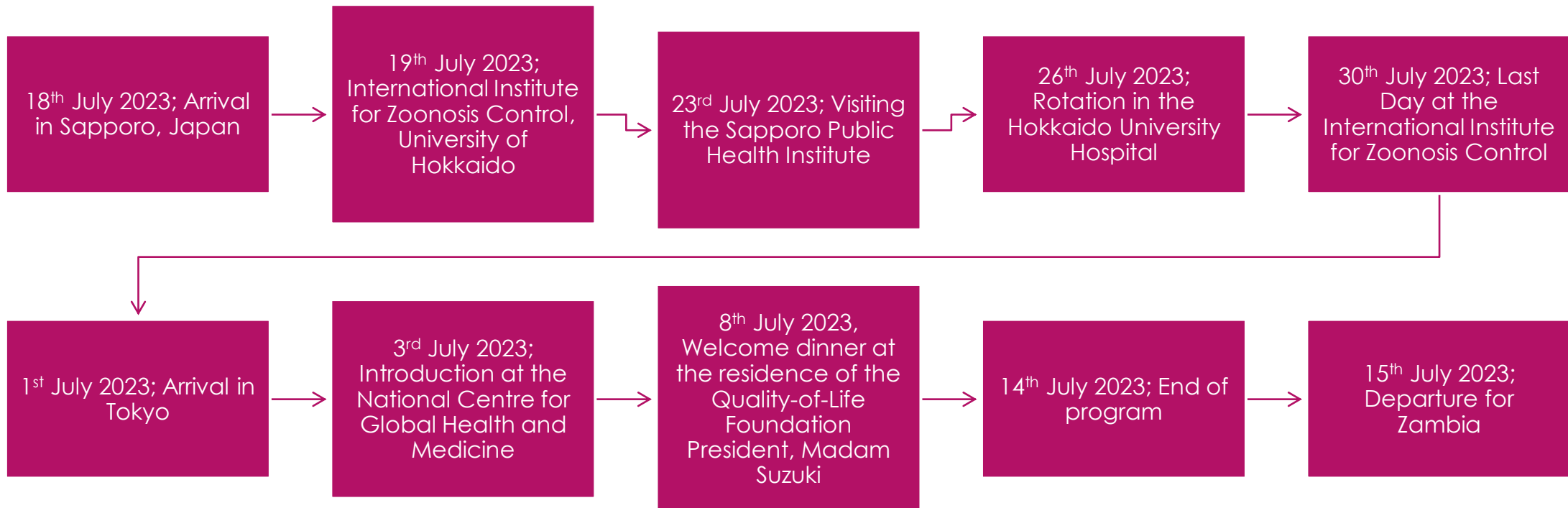
Overview of a training Program funded by the Quality-of-Life Foundation

Dr. Kennedy Allison Chibwe



- ▶ Public Health Specialist
- ▶ Ministry of Health
- ▶ Kabwe
- ▶ Zambia

KEY DATES



International Institute for Zoonosis Control

- ▶ Welcome remarks by the Director of the International Institute for Zoonosis Control, Professor Ayato Takada
- ▶ The Institute has been collaborating with the University of Zambia School of Veterinary Medicine for a long time and have also signed a Memorandum of Understanding with the Zambia Public Health Institute

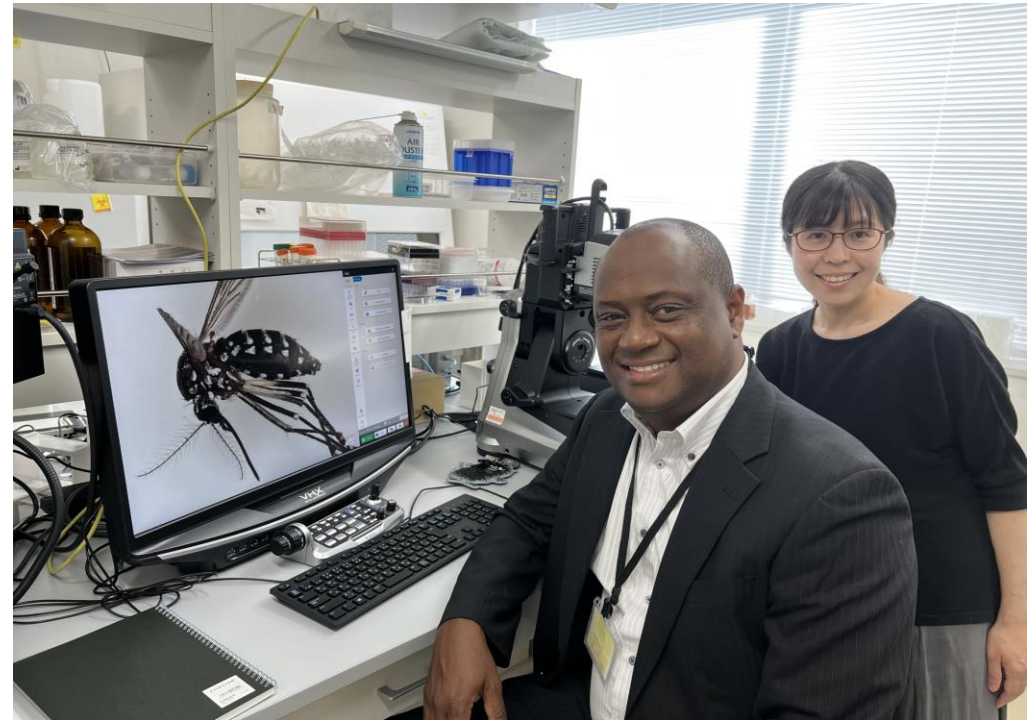


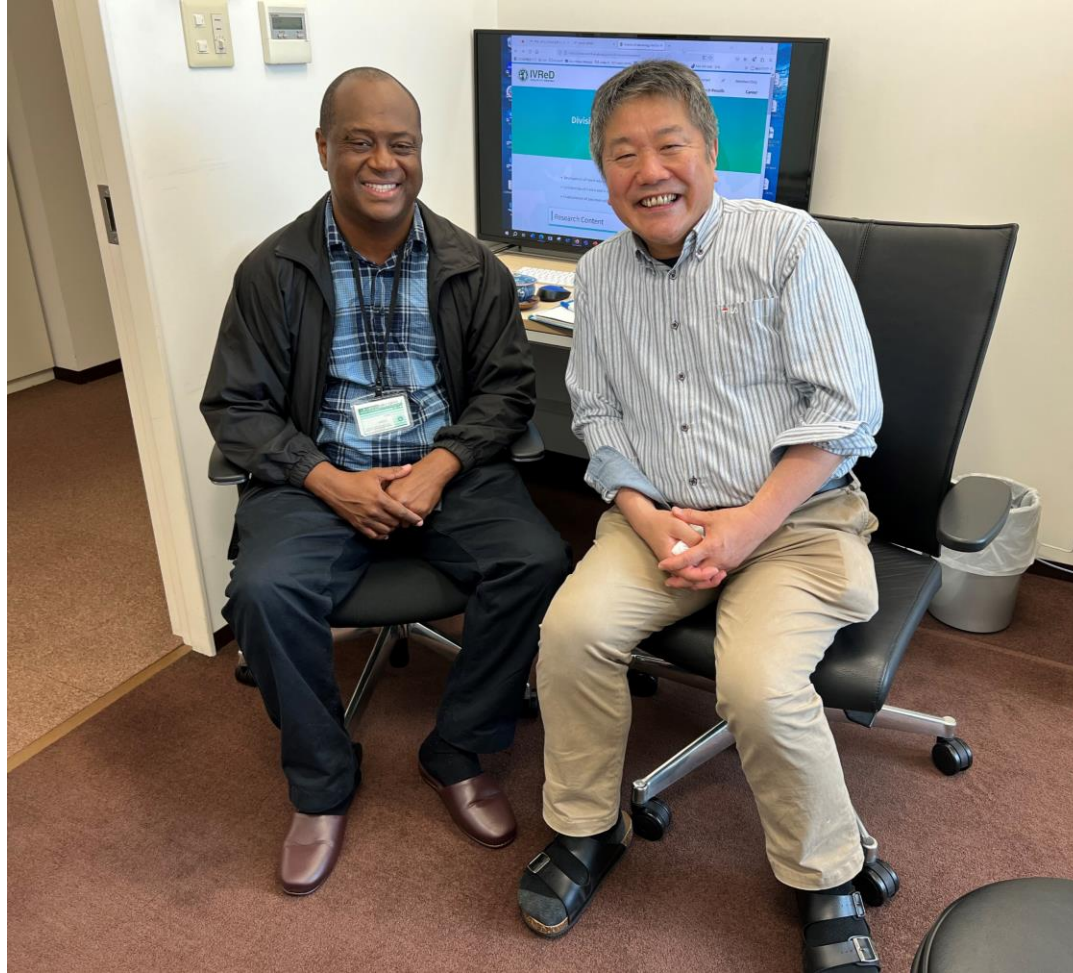
ZOONOSES RESEARCH UNIT

- ▶ Division of Global Epidemiology
- ▶ Division of Molecular Pathobiology
- ▶ Division Of Bioresources
- ▶ Division of collaboration and Education
- ▶ Division of Infection and Immunity
- ▶ Division of Bioinformatics
- ▶ Division of Risk Analysis and Management
- ▶ Division of Biologics and Development
- ▶ Division of Pathogen Structure
- ▶ Division of International Research Promotion
- ▶ Division of Antivirus Drug Research, Shionogi & Co, Ltd
- ▶ Division of Vaccine Immunology

International Institute of Zoonosis Control

- ▶ With Professor Kyoko Hayashida, a professor of parasitology at the institute. She has done extensive research in Zambia and have developed diagnostic methods based on genome information





International Institute of Zoonosis Control

WITH PROFESSOR
HIROFUMI SAWA DOING
EXTENSIVE RESEARCH ON
VACCINES DEVELOPMENT
AT THE INSTITUTE

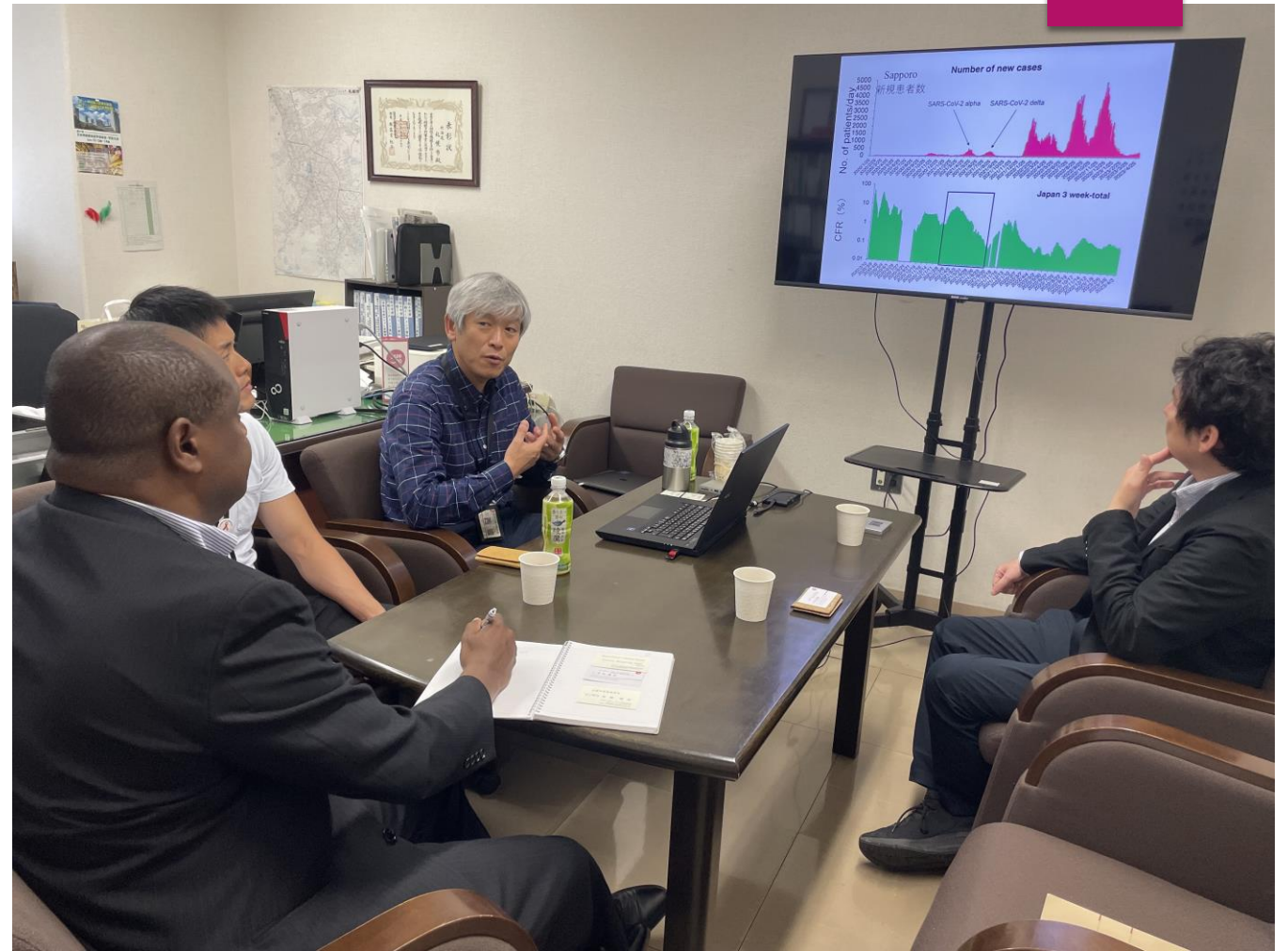
International Institute for Zoonosis Control

- ▶ With Professor Kajihara Masahiro who anchored my training at IIZC enroute to the Sapporo City Health Bureau.



Sapporo City Health and Welfare Bureau

- ▶ With Professor Saijo Mayasuki, the Director General for the Medical Affairs and Public Health explaining to us the evolution of Covid-19 and response by Sapporo city health bureau
- ▶ Apparently, Professor Saijo taught me while I was a medical student in my home country!



Sapporo City Health and Welfare Bureau

- ▶ In the command centre of the Sapporo City Health Bureau for covid-19. Professor Saijo Masayuki explaining to us how the command centre was organized and responded to the covid-19 pandemic.
- ▶ This was very insightful and informative on how a command centre should be organized and respond to health emergencies.



Sapporo Public Health Institute

- ▶ Being shown how this critical institute keeps the Sapporo city citizens safe. The lady works for the institute and behind is an instrument used to measure radiation levels .



Sapporo Public Health Institute

- ▶ A staff at the Sapporo public health institute explaining to us how they diagnose metabolic illnesses in infants.
- ▶ This machine diagnoses various diseases such as inborn errors of metabolism .
- ▶ This was very informative and interesting as we do not have such a diagnostic equipment in Zambia.



Sapporo Public Health Institute

▶ Dr Chibwe giving an overview of the health situation in Zambia at the Sapporo Public Health Institute.



Hokkaido University Hospital Rotation

- ▶ With Professor Sho Nakakubo and infection control staff after conducting an infection control ward round.
- ▶ Learnt that this is a multidisciplinary team which ensures cleanliness of the wards to minimize and control hospital acquired infections. This is done twice weekly.



Hokkaido University Hospital Rotation

- ▶ With microbiology staff doing Anti Microbio-Resistance monitoring at the Hokkaido University Hospital
- ▶ This team guides the hospital on the usage of antibiotics by publishing a booklet every 2 years on Antibiotic Resistance Patterns.



Hokkaido University Hospital

- ▶ Dr Chibwe giving a lecture on the Zambian Health System at the Hokkaido University Hospital Respiratory Faculty



Graduate School of Veterinary Medicine at the Hokkaido University

▶ In the Graduate School of Veterinary Medicine with Dr Rio Doya and staff in the Toxicology Department. Apparently the department had done extensive research on lead poisoning in my home country town of Kabwe some years ago.



International Institute of Zoonosis Control

- ▶ With specially appointed Assistant Professor, Naganori Nao of the International Institute of Zoonosis Control explaining the development of covid-19 testing kit.
- ▶ This was a very informative lecture on test kit development!



IIZC

- ▶ With Professor Naganori Nao in the Bio Safety Laboratory 3 with full personal protective equipment.
- ▶ The level of safety was very high
- ▶ BSL 3 lab has very high tech and advanced equipment like the cryo-electron microscopy able to visualise the covid-19 virus!



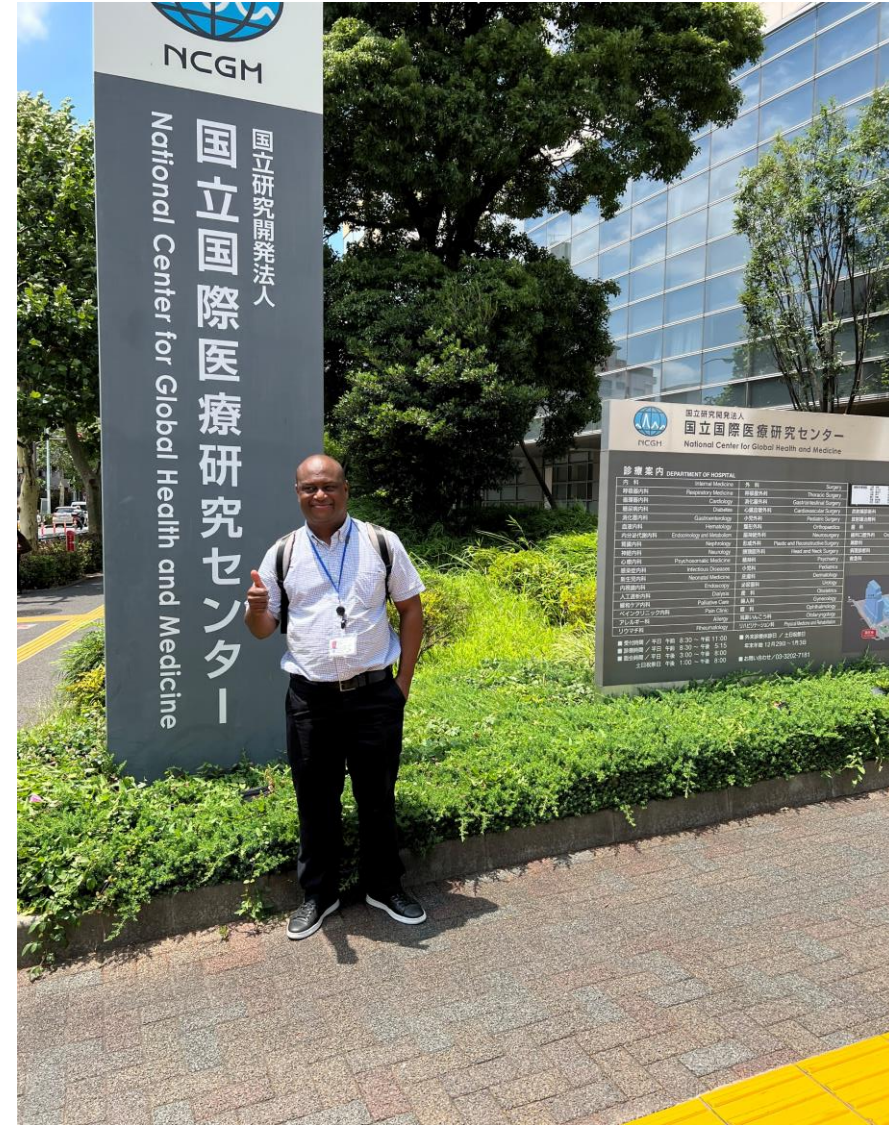
International Institute of Zoonosis Control

▶ With Professors Ayato Takada, Masahiro Kajihara and staff bidding me farewell at the end of my rotation at the institute.



National Centre for Global Health and Medicine, NCGM, Tokyo

- ▶ Reporting for the rotation at the National Centre for Global Health and Medicine Hospital in Tokyo.
- ▶ This hospital is rich in history and caters for infectious diseases in Tokyo



NCGM

- ▶ With Dr Norio Ohmagari, the Director Department of Infectious Diseases. He is also the Director of Disease Control and Prevention Centre.
- ▶ Giving an overview of the research and collaborative works the Infectious department does and is engaged in.



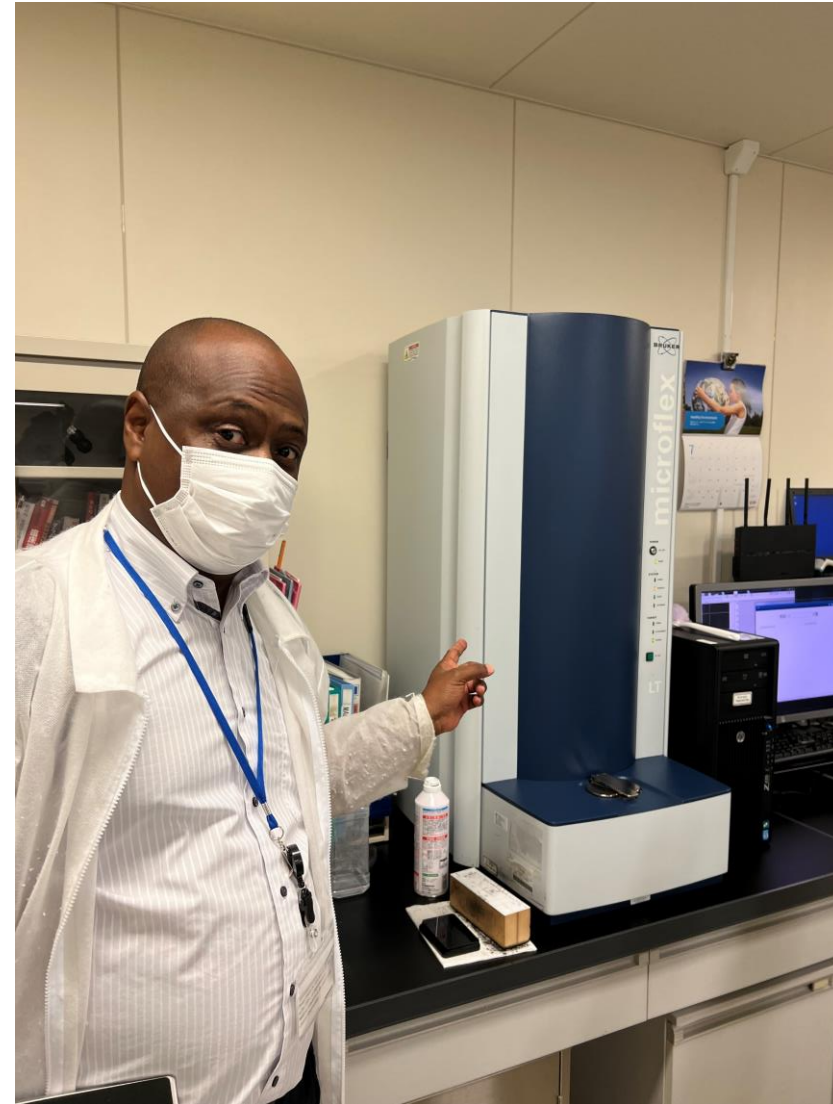
NCGM

- ▶ With Dr Kayoko Hayakawa, Chief Physician from the department of infectious diseases
- ▶ She anchored my training and rotation in NCGM



NCGM

- ▶ MALDI-ToF MS (Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry)
- ▶ This equipment rapidly directly detects from positive blood culture by using MALDI-ToF with Rapid BAC pro® II
- ▶ This ensures timely management of patients



NCGM

- ▶ Microscan WalkAway system
- ▶ Perform species identification and drug susceptibility testing (except for rare strains)
- ▶ This is a very useful microbiology test equipment which ensures the correct species is identified and treated accordingly.



NCGM

- ▶ With the Infection Control Team doing a ward round to minimize and control hospital acquired infections.



NCGM

- ▶ In one of the specially reserved isolation room for treating highly infectious diseases. This room is an ICU in itself with ECMO facilities in place!



Certificate of Completion



Hokkaido University
International Institute for Zoonosis Control

Kita 20 Nishi 10, Kita-ku, Sapporo 001-0020, Japan

<https://www.czc.hokudai.ac.jp>



June 30, 2023

Dr. Kennedy Allison Chibwe

This letter is to certify that you have successfully completed the introductory course at Hokkaido University International Institute for Zoonosis Control, Hokkaido University Hospital, Hokkaido University Veterinary Teaching Hospital, and Sapporo City Public Health Institute from June 19, 2023 to June 30, 2023.

Sincerely,

A handwritten signature in black ink, appearing to read "高田 礼人" (Takada Ayato).

Ayato TAKADA, Ph.D., D.V.M.

Professor

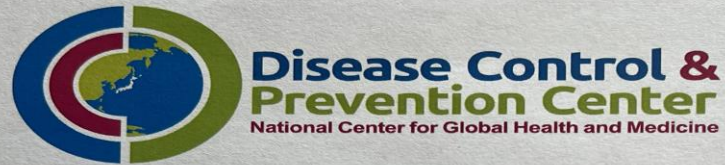
Division of Global Epidemiology

International Institute for Zoonosis Control

Hokkaido University

Kita-20, Nishi-10, Kita-ku, Sapporo 001-0020, Japan

Certificate of Completion



Certification of Completion

This certifies that

Kennedy Allison Chibwe

has successfully completed the introductory course at Disease Control and Prevention, National Center for Global Health and Medicine from July 3, 2023 to July 14, 2023.

July 14, 2023

Norio Ohmagari

Director, Disease Control and Prevention, National Center for Global Health and Medicine

Observations

- ▶ The rotation at the International Institute of Zoonosis Control, IIZC, was educative, insightful and interesting as it offers in-depth research training in infectious diseases.
- ▶ The One Health Concept being pioneered by IIZC is an integrated holistic way of interrogating disease causation by the animal pathogens to humans.
- ▶ The setting up , organizing, and implementing a command centre in the face of a disease pandemic was very educative and informative.
- ▶ The routine monitoring of the various food, water, drinks and agricultural products by the Sapporo Public Health Institute was informative too.
- ▶ The infection control teams at the University Hospital to control hospital diseases outbreaks was very educative.
- ▶ The tracking of the Anti-Microbial Resistance by the University Hospital microbiology department was very good.

Observations

- ▶ The designation of hospitals like NCGM to adequately deal with highly Infectious diseases like Viral Hemorrhagic Fevers example Ebola or Covid-19 was very educative.
- ▶ The equipping of isolation units with very high-tech equipment like ECMO, Extra Corporeal Membranous Oxygenation, diagnostic equipment like Polymerase Chain Reaction was also was insightful and informative.
- ▶ The setting up a disease Surveillance and Intelligence unit to increase the levels of alertness for diseases was commendable. This way, diseases outbreaks do not take the country by surprise.
- ▶ There's need to explore areas of cooperation between the Universities, Research Institutions and Hospitals in Japan and Zambia so that researchers from Japan can come to Zambia to do research while Zambia students can study at Japanese Institutions for their graduate and post doctoral studies.

Observations

- ▶ This is the first time the Quality-of-Life Foundation is inviting a medical doctor from Zambia to participate in this very important program.
- ▶ In addition, this the first time the Quality-of-Life Foundation is having a medical doctor undertake training at International Institute for Zoonosis Control, University of Hokkaido and National Centre for Global Health and Medicine.
- ▶ Further this the first time, a rotation in Infectious diseases is being undertaken by the Quality-of-Life Foundation as opposed to cancer and oncology training.
- ▶ This being the case, I'm very privileged and honored to have been the first candidate to pioneer this infectious diseases training offered by the Quality-of-Life Foundation and partners.