

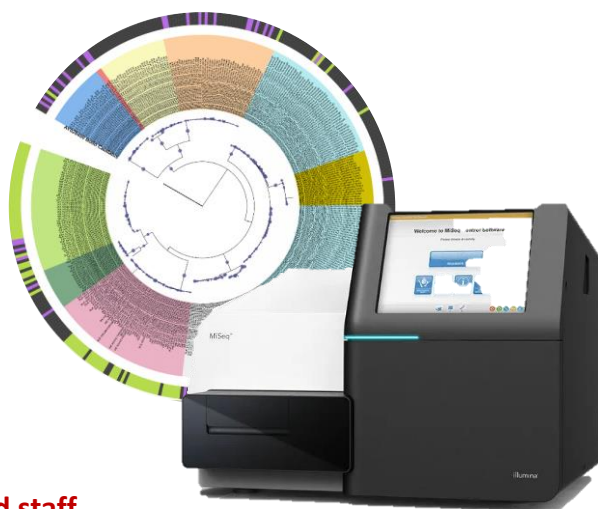
# Next Generation Sequencing approach for the research of Zoonotic Diseases

**2 JUNE** 2022 (THU.)  
14:00 – 16:00

**D51,**  
Paraclinical Studies Department  
School of Veterinary Medicine,  
University of Zambia



- Free
- No registration required
- For Master/Doctor students and staff



We are honoured to invite you to attend our mini-seminar for Next Generation approach for the research of zoonotic diseases. Next Generation Sequencing (NGS) offers a revolution to the research field of zoonotic disease. In this mini-seminar, we take the opportunity to introduce you the basic principle and workflow of NGS, especially focusing on the Illumina Miseq, which is installed in UNZA-Vet. We also introduce recent achievements for the infectious diseases research in Zambia using NGS. Join us if you are interested in learning about this new technology!

## ➤ Speakers



**Dr. Kyoko Hayashida**  
Hokkaido University IIZC

“Introduction of Next Generation Sequencing and Experiment Planning Guide”



**Dr. Level Chinyama Moonga**  
UNZA-Vet

“A practical guide for the amplicon sequencing and microbiome analysis using Miseq”



**Dr. David Squire**  
West Lunga Conservation Project

“NGS approach for understanding the African trypanosomiasis and piroplasmiasis at the interface of the human-wildlife-livestock population in Zambia”



**Dr. Misheck Shawa**  
Hokkaido University IIZC

“Application of NGS to identify zoonotic transmission of multidrug-resistant *Escherichia coli* in Zambia”

## ➤ Contact

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