



# Satellite Seminar

of the 11TH SCIENTIFIC CONFERENCE OF THE TANZANIA WILDLIFE RESEARCH INSTITUTE (TAWIRI)

December, 5<sup>th</sup> 2017

## Spirochete Infections in Wildlife and Humans

8.00 Meet and greet with tea and coffee

8.30 Welcome and housekeeping notes  
Dr. J. D. Keyyu (TAWIRI) and Dr. Sascha Knauf (DPZ)

8.40 Short introduction of participants

### - INTRODUCTION SESSION -

9.00 What are spirochetes and which diseases do they cause in humans and wildlife?  
Dr. Sascha Knauf (DPZ)

9.20 **KEYNOTE**  
Examining *Treponema pallidum*: One disease or many?  
Prof. Dr. Sheila Lukehart (University of Washington)

10.20 Yaws 2.0: How ecology impacts disease eradication programs  
Dr. Sascha Knauf (DPZ)

10.50 Tea and coffee break

### - TREPONEMA -

11.15 Student presentation  
Epidemiological insights into *T. pallidum* infection in Tanzanian nonhuman primates:  
Where does it come from, where did it start?  
Idrissa S. Chuma (SUA) et al.

11.35 Student presentation  
How behavior impacts disease transmission in a promiscuous primate society  
Filipa Paciencia (DPZ) et al.

12.00 Monkey phylogeography and host-pathogen coevolution  
Dr. Dietmar Zinner (DPZ)

12.30 Lunch break

- LEPTOSPIRA, HUMAN TREPONEMATOSIS, and METHODS -

13.30 KEYNOTE

Leptospirosis in Sub-Saharan Africa  
Prof. Dr. Reuben R. Kazwala

14.15 Syphilis and other human spirochete infections in Tanzania  
Dr. Sayoki M. G. Mfinanga (NIMR)

14.45 New molecular methods to genetically characterize spirochetes and host phylogeny  
Dr. Christian Roos (DPZ)

15.15 Student presentation  
Investigating spirochete diversity by Next-Generation Sequencing  
Luisa Hallmaier-Wacker (DPZ) et al.

15.40 Tea and coffee break

- METHODS -

16.00 Student presentation  
In vivo cultivation of simian *T. pallidum* strains  
Idrissa S. Chuma (SUA) et al.

16.25 KEYNOTE

What can we expect from modeling ecosystems and infectious diseases?  
Prof. Dr. Andy Dobson (Princeton University)

17.25 Report of the meeting and outline of future projects  
Dr. Sascha Knauf (DPZ) and Dr. Christian Roos (DPZ)

17.40 Plenary discussion: How can we optimize capacity building for infectious disease research  
Participants, stakeholders, and management

19.00 Joint dinner at a local restaurant

No participation fee required, 50 participants maximum  
Registration required (coordinated by TAWIRI; first-come first-serve basis)

Please send registration forms to [researchclearance@tawiri.or.tz](mailto:researchclearance@tawiri.or.tz) and a copy to [julius.keyyu@gmail.com](mailto:julius.keyyu@gmail.com)

Young African Scientist Travel Grant for the Satellite Seminar available. Find requirements and more information on Travel Grant Application Form

