

OIE Non Tsetse Transmitted Animal Trypanosomoses Network

Minutes of the 5th annual meeting, 27 June 2019, 12 rue de Prony, 75017 Paris

1. List of participants and apologies

The following Network members (in alphabetical order) were welcomed at the meeting: Büscher Philippe, Desquesnes Marc, Diall Oumar, Drozdova Elena, Goddeeris Bruno, Gonzatti Marisa, Gray Finn, Hébert Laurent, Inoue Noboru, Ledesma Nick, Peter Rose, Schnauffer Achim, Thekisoë Oriël, Touratier Louis, Truc Philippe, Yokoyama Naoaki, Zeng Li

The following members are apologized: Ahmed Yasim Ebrahim, Ashenaf, Hagos, Battsetseg Badgar, Battur Banzragch, Goossens Julie, Hagos Ashenafi, Lun Zhao-Rong, Magez Stefan, Musinguzi Peter, Pascucci Ilaria, Regassa Fikru, Suganuma Keisuke, Van Gool Frans, Van Reet Nick, Yurov Konstantin

OIE delegates were: Pavade Gounolan

2. New members of the NTTAT Network

- Grey Finn, University of Edinburgh, UK
- Drozdova Elena, All Russian Research Institute for Experimental Veterinary Medicine
- Pavade Gonoulan, OIE, France
- Ledesma Nick, USDA National Veterinary Services Laboratories, USA
- Yokoyama Naoaki, Obihiro University of Agriculture and Veterinary Medicine, Japan
- Zeng Li, Vrije Universiteit Brussel, Belgium

The list of all NTTAT Network members can be found on the webpage

3. Passing away of Prof. Dr. Vet. Carlos Gutierrez

With regret and sadness we were informed that our dear friend, Carlos Gutierrez from the University of Las Palmas de Gran Canaria has been killed in a traffic accident on Friday 8th March 2019 (<https://ecsrhm.eu/in-memoriam-of-carlos-gutierrez/>).

4. Webpage

Laurent Hébert presented the progress on the webpage (<http://www.oie.int/nttat/index.html>).

The full webpage is public. Therefore, data that are unpublished or other confidential information should not be sent in for posting on the webpage.

5. Progress reports and complementary presentations

The following presentations were given:

- **Equine trypanosomosis: enigmas and diagnostic challenges.** Büscher Philippe, Gonzatti Mary Isabel, Hébert Laurent, Inoue Noboru, Pascucci Ilaria, Schnauffer Achim, Suganuma Keisuke, Touratier Louis, Van Reet Nick
- **Small RNA as a diagnostic biomarker for human and animal trypanosomiasis.** Chiweshe Stephen, Steketee Pieter, Jayaraman Siddharth, Paxton Edith, Neophytou Kyriaki, Grey Finn, Morrison Liam
- **Development of a recombinase polymerase amplification lateral flow assay for the detection of active *Trypanosoma evansi* infections.** Zeng Li, Pinto Torres Joar Esteban, Goossens Julie, Stijlemans Benoit, Sterckx Yann G.-J., Magez Stefan
- **In vivo and in vitro models.** Thekisoë Oriël
- **Case definition and management.** Pascucci Ilaria (presented by PB)

- ***Trypanosoma equiperdum*: histopathology and tissue redistribution in natural and artificially infected horses.** Yasmine Ahmed, Ashenafi Hagos, Geldhof Peter, Van Bantegem Leen, Duchateau Luc, Govaere Jan, Goddeeris Bruno Maria
- **Rodent-borne *Trypanosoma lewisi* in Cotonou: a way to track human cases.** Truc Philippe
- **Recent publications on mechanical vectors of trypanosomes.** Desquesnes Marc
- ***Musca crassirostris*, a neglected obligatory hematophagous fly.** Onju Sathaporn, Chalermwong Piangjai, Jittapalapong Sathaporn, Masmeatathip Rongthip; Desquesnes Marc
- **Evaluation of the impact of insects in feeder-cattle.** Bonaen Phoompong, Nénot Adèle, Chalermwong Piangjai, Fossaert Clément, Onju Sathaporn, Masmeatathip Rongthip, Desquesnes Marc
- **The Multi Targets Method, an innovative strategy for the control of biting flies as vectors.** Desquesnes M, Bouhsira E, Chalermwong P, Drosne L; Duvallet G, Franc M, Gimonneau G, Grimaud Y, Guillet P, Himeidan Y, Jacquiet P, Jittapalapong S, Karanja W, Liénard E, Onju S, Ouma J, Rayaisse J-B, Masmeatathip R, Salou E, Shah V, Shukri S, Thaisungnoen K
- **Knowledge gaps to be filled for control and elimination camel surra in Africa.** Diall Oumar (Note: by lack of time, this presentation was not given but will be added to the minutes together with the other presentations)

6. Some facts and remarks in relationship with the network during the period June 2018 - June 2019.

Dr. Louis Touratier prepared a document describing discussions arising from the presentation of the minutes of the 4th annual meeting of the NTTAT Network and citing quotations from reports of the Scientific Commission for Animal Diseases. This document is found in annex of the present minutes.

7. Replacement Raffaele Mattioli

No replacement is found yet for Raffaele Mattioli. It is proposed to ask someone from GALVmed or ILRI or Brian Perry from the University of Oxford.

8. Revision of the chapters on surra and dourine in the OIE Manual

Dr. Inoue gave an update on the revision of the chapters on surra and dourine. The following drafts of the Terrestrial Manuals have been submitted to OIE:

- CHAPTER 3.1.21. TRYPANOSOMA EVANSI INFECTION (SURRA IN ALL SPECIES). Sent by Marc Desquesnes to Sara Linnane of the OIE Science Department on 18 May 2019
- CHAPTER 3.4.16. ANIMAL TRYPANOSOMOSES OF AFRICAN ORIGIN (excluding infection with *Trypanosoma evansi* and *T. equiperdum*). Sent by Marc Desquesnes to Sara Linnane of the OIE Science Department on 10 May 2019
- Still to be updated: CHAPTER 3.5.3. INFECTION WITH TRYPANOSOMA EQUIPERDUM (Dourine in horses). Philippe Büscher will prepare the draft and circulate it to the following NTTAT Network members in order to have their input: O. Diall, M. Desquesnes, A. Schnauffer, O. Thekiso, L. Hébert, N. Ledesma, N. Inoue, I. Pascucci. Proposed submission date: May 2020 (Review cycle 2020/2021).

9. Planning 2019-2020

9.1. Organisation of the 4rd International Conference on NTTAT

Date & place

The 4th International Conference on NTTAT of the OIE NTTAT Network will take place on 14-15 August 2019 in Hustai National Park, Ulaanbatar, Mongolia

8 abstracts were already received from researchers aside from organising countries

Inquiry of participation: 15, aside from researchers from Mongolia

Organising committee

Badgar Battsetseg, Banzragch Battur, Noboru Inoue, Keisuke Suganuma, Philippe Büscher, Nick Van Reet

Announcement

<http://www.oie.int/nttat/events2.html>

9.2. Next annual meeting

Next annual meeting is planned at the end of May 2020. Philippe Büscher will send a proposal to the network members.

9.3. Annual report to OIE

The minutes of this meeting will be sent to Gounolan Pavade for further distribution within OIE and will be posted on the NTTAT Network webpage

10. Annexes

Agenda of the meeting

Presentations and other documents given at the meeting

5th Annual Meeting

27 June 2019, 9 am - 17 pm

OIE HQ, Salon Ramon, 12 rue de Prony, 75017 Paris, France

Metro: Parc Monceau, Tel: +33 144 15 18 88

Agenda

1. Welcome Philippe Büscher
2. Webpage Laurent Hébert/Philippe Truc/Expert OIE
3. Progress report presentations submitted by the different members of the NTTAT Network and presented by the responsible for the different domains
 - 3.1. **Diagnosis** Philippe Büscher
 - 3.1.1. Small RNA as a diagnostic biomarker for human and animal trypanosomiasis. Chiweshe et al.
 - 3.1.2. Development of a recombinase polymerase amplification lateral flow assay for the detection of active *Trypanosoma evansi* infections. Li et al.
 - 3.1.3. Equine trypanosomosis. P. Büscher et al.
 - 3.2. **In vivo and in vitro models** Oriël Thekisoe
 - 3.2.1. *Trypanosoma equiperdum*: histopathology and tissue redistribution in natural and artificially infected horses. A. Yasmine et al.
 - 3.3. **Treatment** Rosemary Peter
 - 3.4. **Case definition and case management** Ilaria Pascucci
 - 3.5. **Vectors** Marc Desquesnes
 - 3.5.1. *Musca crassirostris*: a neglected hematophagous fly. Onju et al.
 - 3.5.2. Impact of hematophagous dipters on cattle. Bonaen, et al.
 - 3.5.3. The Multi Targets Method: an innovative strategy for the control of biting flies as vectors. Desquesnes et al.
 - 3.6. **Epidemiology** Zhao-Rong Lun
 - 3.7. **Atypical human infections** Philippe Truc
 - 3.8. **Socio-economic impact** N.N.
4. An overview of some remarks and activities of the OIE NTTAT Network during the period June 2018- June 2019 Louis Touratier
5. Replacement for Raffaele Mattioli
6. Update of the OIE Manual Chapters Noboru Inoue
7. Planning 2019-2020
 - 7.1. 4th International Conference on NTTAT, 14-15 August 2019, Mongolia
 - 7.2. Next annual meeting of the OIE NTTAT Network
8. Annual report to OIE Philippe Büscher/Louis Touratier

