



D4.10 Joint Research Laboratories



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Animal Production and Health Section

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National Veterinary Institute



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Harbin Veterinary Research Institute



China Animal Health and Epidemiology Center



China Animal Disease Control Center



Sociedade Portuguesa de Inovação



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01.

Summary

Summary

Within the LinkTADs project, the joint laboratories between HVRI and SVA, and SHVRI and SVA have been established or signed. The aim of the Joint Laboratories is to enhance the control, improve the diagnostic capabilities and increase the knowledge of infectious animal diseases by enhancing joint research activities between China and EU.



02.

Joint Laboratory of Veterinary Microbiology between HVRI and SVA

Joint Laboratory of Veterinary Microbiology between HVRI and SVA

As one of activities of the established Joint Laboratory between HVRI and SVA, Drs. Hua-Ji Qiu and Yuzi Luo from HVRI made a one-week visit to SVA on October 18-23, 2015. During the visit, they attended the 1st Workshop of SVA-HVRI Joint Laboratory of Veterinary Microbiology on Swine Diseases. Firstly, Dr. Frederik Widén from SVA hosted the workshop, and gave an introduction to SVA. Dr. Qiu introduced HVRI and gave an overview of the situation of swine diseases in China. He stressed that effective control of swine infectious diseases in China represents a challenging and long-term task. Dr. Renström from SVA gave an introduction to swine influenza surveillance in Sweden. Dr. Isaksson from SVA presented the molecular diagnosis of infectious diseases in SVA. Dr. Luo gave a presentation on the characterization of reemerged pseudorabies virus variant in China and vaccine development. Prof. Elvander from SVA introduced the animal disease surveillance in Sweden. Dr Karl Ståhl presented African swine fever situation in Europe. During the meeting, Dr. Qiu and Dr. Luo met many leading scientists on transboundary animal diseases and discussed how to deepen collaborations between SVA and HVRI. During the visit Dr. Qiu also visited the Swedish University of Agricultural Sciences (SLU), attended the seminar on the control of infections in cattle organized by SLU, and discussed animal disease control and the possible collaborations in the future with some virologists at SLU. In addition, Dr. Luo further evaluated the E^{rns}-ELISA for CSFV and the PCR for ASFV developed in HVRI, which has led to the improvement of the diagnostic tests.



03.

Joint Laboratory of Animal Infectious Diseases between SHVRI and SVA

Joint Laboratory of Animal Infectious Diseases between SHVRI and SVA.

Within the framework of the LinkTADs project, Shanghai Veterinary Research Institute (SHVRI), CAAS, and National Veterinary Institute, Sweden (SVA), agreed to set up a joint laboratory of animal infectious disease. The aim of the joint laboratory is to improve control and prevention of animal infectious disease through the following joint activities:

- Enhancing research collaboration on selected topic like novel diagnostic assays for early detection of pathogens;
- Jointly applying for grants from China, Sweden or EU;
- Exchange and training of scientists and students;
- Exchange of disease information and protocols for diagnostic assay.



04.

Conclusions

Conclusions

Within the LinkTADs project, the joint laboratories between HVRI and SVA, and SHVRI and SVA have been established. The aim of the Joint Laboratories is to improve the control and prevention of animal infectious disease by enhancing joint research activities between China and EU. The relevant collaborative research has been carried out and good progress has been made. Hua-Ji Qiu and Yuzi Luo from HVRI made a one-week visit to SVA on October, 2015, and attended the 1st Workshop of SVA-HVRI Joint Laboratory of Veterinary Microbiology on Swine Diseases. During the meeting, HVRI and SVA discussed deeply further collaborations in the future. The topics included the early and high throughput detection of swine infectious diseases, regional eradication of CSFV, novel virus discovery and luminex antibody detection, etc. The next steps will be to organize more exchange activities to strengthen the collaborations within the joint laboratories.