

OIE Collaborating Centres Reports Activities

Activities in 2018

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Title of collaborating centre:	Diagnosis and Vaccine Evaluation in the Americas
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Name (including Title and Position) of Head of the Collaborating Centre (formally OIE Contact Point):	James A. Roth, DVM, PhD, Director, Institute for International Cooperation in Animal Biologics and OIE Collaborating Center for the Diagnosis of Animal Diseases and Vaccine Evaluation in the Americas
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ToR: To provide services to the OIE, in particular within the region, in the designated specialty, in support of the implementation of OIE policies and, where required, seek for collaboration with OIE Reference Laboratories

ToR: To identify and maintain existing expertise, in particular within its region

1. Activities as a centre of research, expertise, standardisation and dissemination of techniques within the remit of the mandate given by the OIE

Disease control	
Title of activity	Scope
Preparedness Resources	Deliver a variety of foreign animal disease preparedness resources at www.cfsph.iastate.edu/emergencyresponse.php
Secure Food Supply Projects	Work with leaders in industry and academia and federal officials on plans to avoid interruptions in animal product/animal movement to commercial processing from farms with no evidence of infection during a foreign animal disease outbreak. www.cfsph.iastate.edu/Secure-Food-Supply/index.php
Training, capacity building	
Title of activity	Scope
Veterinary Biologics Training Program	Provide an overview of the USDA regulatory process for assuring the purity, potency, safety and efficacy of veterinary biologics. Held May 14-18, 2018, there were 150 participants including 40 international representatives from Argentina, Australia, Brazil, Canada, Chile, China, Denmark, Egypt, Ethiopia, France, Germany, Israel, Japan, Mexico, Republic of Korea, Singapore, Turkey, Ukraine, and Zambia
Veterinary Immunology and Vaccinology online training	The IICAB offers 3 online courses related to veterinary immunology and vaccinology. There were 37 total users in 2018
Vaccines	
Title of activity	Scope
Compendium of Veterinary Vaccines for Transboundary Animal Diseases	Listing of 1729 vaccines for 47 transboundary animal diseases, made by 164 manufacturers and licensed in 149 countries. This site received 383,456 page views in 2018 with approximately 50% of users from outside the U.S. The USDA is no longer providing support for the Compendium so IICAB is unable to update and maintain this resource. It was removed from the website in early 2019.

ToR : To propose or develop methods and procedures that facilitate harmonisation

of international standards and guidelines applicable to the designated specialty

2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the surveillance and control of animal diseases, food safety or animal welfare

Proposal title	Scope/Content	Applicable area
Veterinary Biologics Training Program	Information on the US processes for assuring purity, potency, safety and efficacy of veterinary biologics. Includes US activities in harmonization of veterinary biologics; 150 participants including 40 international representatives	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Secure Food Supply Projects	Discussions on avoiding interruptions in animal/animal product movement to commercial processing from farms with no evidence of infection during a foreign animal disease outbreak. Presentations at numerous national and international meetings.	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare

ToR: To establish and maintain a network with other OIE Collaborating Centres designated for the same specialty, and should the need arise, with Collaborating Centres in other disciplines

ToR: To carry out and/or coordinate scientific and technical studies in collaboration with other centres, laboratories or organisations

3. Did your Collaborating Centre maintain a network with other OIE Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same specialty, to coordinate scientific and technical studies?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
Diagnosis of Animal Diseases and Vaccine Evaluation in the Americas	Ames IA USA	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Joint Collaborating Center with the USDA National Veterinary Services Laboratories and the Center for Veterinary Biologics

4. Did your Collaborating Centre maintain a network with other OIE Collaborating Centres, Reference laboratories, or organisations in other disciplines, to coordinate scientific and technical studies?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
Animal disease surveillance systems, risk analysis and epidemiological modeling collaboration center	Ft. Collins, CO, USA	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Secure Food Supply projects - business continuity for foreign animal disease outbreaks
Laboratory animal welfare and science	Washington, DC USA	<input type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Evaluate and work to reduce animal testing in vaccine development and evaluation

ToR: To place expert consultants at the disposal of the OIE.

5. Did your Collaborating Centre place expert consultants at the disposal of the OIE?

No

ToR: To provide, within the designated specialty, scientific and technical training to personnel from OIE Member Countries

6. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by the OIE, to personnel from OIE Member Countries?

Yes

- a) Technical visits: 4
- b) Seminars: 150
- c) Hands-on training courses: 0
- d) Internships (>1 month): 0

Type of technical training provided (a, b, c or d)	Content	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
a) Veterinary Biologics	Interested in the USDA process for regulating veterinary biologics	Japan	1
b) Veterinary Biologics Training Program	Week long course on the USDA process for assuring purity, potency, safety and efficacy of veterinary biologics	Argentina, Australia, Brazil, Canada, Chile, China, Denmark, Egypt, Ethiopia, France, Germany, Israel, Japan, Mexico, Republic of Korea, Singapore, Turkey, Ukraine, United States, Zambia	150

a) Veterinary Diagnostics and Biologics	Interested in OIE Collaborating Center's activities and role in the US and with the OIE	China	3
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ToR: To organise and participate in scientific meetings and other activities on behalf of the OIE

7. Did your Collaborating Centre organise or participate in the organisation of scientific meetings on behalf of the OIE?

No

ToR: To collect, process, analyse, publish and disseminate data and information relevant to the designated specialty

8. Publication and dissemination of any information within the remit of the mandate given by the OIE that may be useful to Member Countries of the OIE

a) Articles published in peer-reviewed journals: 3

Roth, J.A. 2018. Letter to the Editor: Comment on "The Domestic Cat Antibody Response to FHV-1 Increases with Age". *Vet Immunol Immunopathol.* 203:65. 2018.

Bickett-Weddle, D. A., M. Lee, R. Dewell, K. Obbink, M. Sanderson, C. Hanthorn, J.A. Roth. 2018. The planned response to an FMD outbreak is not what it used to be. *AABP Proceedings*, 50:24-26.

Roth, J.A. and G.B. Brown. 2018. Foot and Mouth Disease in: *American Association of Zoo Veterinarians Infectious Disease Committee Manual 2018*. In Press

b) International conferences: 3

Merck Animal Health Canada. "Overview: Principles of Immunology and Vaccination" (12 hours). Toronto, Ontario, Canada. June 26-27, 2018.

Argentine National Academy of Agronomy and Veterinary Medicine. "Vulnerability of North America to the Introduction of Foot and Mouth Disease and Approaches to Increase Preparedness". Buenos Aires, Argentina. November, 8, 2018.

Food and Agriculture Organization. "Good Emergency Management Practices" Technical Working Group. Rome, Italy. December 11-13, 2018

c) National conferences: 19

Overview of the SBS Plan, Iowa Cattlemen's Association Feedlot Forum, January 16.

Iowa Pork Congress. "Foreign Animal Disease Preparedness: What Should You Know?" Des Moines, IA January 25, 2018

National Cattleman's Beef Association. Cattle Health and Well-Being Committee. "The Value of an Expanded U.S. FMD Vaccine Bank for the Beef Cattle Industry" Phoenix, AZ. February 2, 2018

National Cattleman's Beef Association. Agriculture and Food Policy Committee. "Need for the Foot and Mouth Disease Vaccine Bank within the 2018 Farm Bill" Phoenix, AZ. February 2, 2018

Iowa Veterinary Medical Association Annual Meeting. "Preparedness for Foot and Mouth Disease, Classical Swine Fever, and African Swine Fever". Des Moines, IA. February 14, 2018.

American Association of Veterinary Medical Colleges Annual Meeting, Leadership Academy Alumni Reunion. "Serving Unmet Needs: A Leadership Journey". Washington, DC. March 2, 2018.

Food and Drug Administration, Center for Veterinary Medicine. "National Veterinary Accreditation Program, Antimicrobial Resistance Modules". Rockville, MD. April 17, 2018.

Food Safety Inspection Service. "Potential for the CFSPH at Iowa State University to work with FSIS to develop and deliver educational materials for FSIS public health veterinarians, inspectors, or other audiences". Washington, DC. April 16, 2018.

Secure Beef Supply Plan: What you need to know, Florida Beef Cattle Short Course on May 11.

SBS Plan, Nebraska Cattlemen's Association summer meeting, June 7.

Secure Milk and Secure Beef Workshop, Wisconsin Veterinary Medical Association and the Wisconsin Department of Trade and Consumer Protection, June 15.

Update on the Secure Food Supply Plans (webinar), Cross Border Livestock Health Committee (part of Pacific Northwest Economic Region annual meeting), July 25.

The Economics of Animal Health & Biosecurity Workshop. "The Value of an Expanded U.S. FMD Vaccine Bank for the Livestock Industry". Washington, DC. August 8, 2018.

Enhanced Biosecurity for Cattle Facilities, National Association of Animal Breeders Meeting in Green Bay, Wisconsin, September 20.

UC Davis Schalm Lectureship Program, "Transboundary and Emerging Diseases of Food Animals Threaten Global Food Security" and "Response to an Outbreak of Foot and Mouth Disease (FMD) in the U.S.". Davis, CA. October 6-8, 2018.

SBS Plan, Iowa Beef Industry Center staff and extension specialists annual meeting, October 17.

SBS Plan, Homeland Security Food and Ag Sector Stakeholders, November 14 (webinar).

Overview of SBS Plan, Minnesota State Cattlemen's Association Annual Meeting, December 8.

Half-day train-the-trainer session on Secure Beef Supply Plan, MN Beef Council, December 18.

d) Other

(Provide website address or link to appropriate information): 14

Webinars:

Food Safety Inspection Service, Science and Technology Seminar Series, "Secure Food Supply Plans in a Foreign Animal Disease Outbreak: Federal, State, Industry, and Academic Partnerships" April 4, 2018.

Agriculture Response Management and Resources Functional Exercise. National exercise organized by USDA APHIS. Participation in the exercise by 5 IICAB members. May 7-10, 2018

Immunology/Vaccinology Webinars for MSD Animal Health in the United Kingdom. "New Concepts in Immunology Leading to Improved Vaccines and Vaccine Usage" and "Response to Questions from UK Veterinarians". Recorded for continuous use.

USDA APHIS Veterinary Services Training and Exercise Program. "Phases and Types of an African Swine Fever Outbreak in the United States". November 26, 2018.

Advisory Committees/Councils/Boards

Government Accountability Office. Two hour conference call on issues related to the need for an expanded FMD vaccine bank for the U.S. February 13, 2018.

American Society for Microbiology, Public and Scientific Affairs Board, Washington, DC. March 1-3, 2018.

USDA APHIS Veterinary Services. Classical Swine Fever Vaccine Tabletop Exercise. Participation by teleconference, April 24, 2018.

USDA APHIS Veterinary Services National Training and Exercise Program, ARMAR FMD Functional Exercise. Riverdale, MD, May 8-10, 2018.

National Assembly of State Animal Health Officials, Executive Committee. Review Draft Framework for Interstate Movement Decisions during a Foot and Mouth Disease Outbreak in the United States. Kansas City, MO. October 21, 2018.

Secure Food Supply Website:

<http://www.cfsph.iastate.edu/Secure-Food-Supply/index.php>

Secure Beef Supply Website:

<http://securebeef.org>

Secure Pork Supply Website:

<http://www.securepork.org>

Secure Milk Supply Website:

<http://securemilksupply.org>

Secure Poultry Supply Website:

<http://www.cfsph.iastate.edu/Secure-Poultry-Supply/index.php>