

WOAH Collaborative Centre Reports Activities 2025

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CENTRE INFORMATION

*Title of WOA Collaborating Centre	Vaccine Evaluation in the Americas (IICAB)
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Website:	https://www.cfsph.iastate.edu/IICAB/
*Name Director of Institute (Responsible Official):	Dan Grooms, Dean, College of Veterinary Medicine, Iowa State University
*Name (including Title and Position) of Head of the Collaborating Centre (WOAH Contact Point):	Molly Lee, Executive Director
*Name of the writer:	Chris Gerke, Business Administrator

TOR 1 AND 2: SERVICES PROVIDED

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

Category	Title of activity	Scope
Disease control (true)	Preparedness Resources	Deliver a variety of transboundary animal disease preparedness resources at www.cfsph.iastate.edu/emergency-response/ Deliver a variety of infection control resources at www.cfsph.iastate.edu/infection-control/
Training, capacity building (true)	Factsheets for transboundary animal diseases	Technical Fact Sheets: 148 English fact sheets, downloaded 557,986 times in 2025; 138 Spanish fact sheets, downloaded 373,692 times in 2025; 44 Portuguese fact sheets, downloaded 57,684 times in 2025; and 11 French fact sheets, downloaded 4,576 times in 2025. One Page Fact Sheets for the Public: 89 English, downloaded 116,705 times in 2025; 67 Spanish downloaded 47,926 times in 2025. Annotated Images of Animal Diseases: 410 annotated images; 2,270 views (English) and 78 views (Spanish) in 2025
Vaccines (true)	Veterinary Biologics Training Program	Annual 5-day in-person course on the USDA regulatory process for assuring the purity, safety, potency and efficacy of veterinary biologics. Jointly

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		organized and offered by the USDA Center for Veterinary Biologics and IICAB.
Disease Control (true)	Secure Food Supply Plans	Work with federal, state and industry 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/
Disease Control (true)	Outreach on U.S. disease preparedness efforts for FMD to countries in the Americas	Sharing of information regarding USDA resources, Secure Food Supply Plans and the Framework for Interstate and Intrastate Movement during an FMD outbreak with government officials and producers in the Americas.
Training, capacity building (true)	Certified Swine Sample Collection Program	Deliver a program for USDA Category 2 veterinarians to train producers, caretakers and industry partners how to properly collect samples from swine for diagnostic and surveillance purposes. During an outbreak, state animal health officials determine when collectors are authorized to collect samples and provide guidance on testing protocols. This program increases the number of individuals authorized to collect samples. Available in English and Spanish.
Training, capacity building (true)	Transboundary and Emerging Diseases of Animals online course	Online training used by all US veterinary schools to provide training on transboundary animal diseases and required for initial accreditation training in the U.S. Also offered for continuing education.
Vaccines (true)	Veterinary Immunology & Vaccinology course	Online courses providing an overview of veterinary immunology and vaccinology.

TOR 3: HARMONISATION OF STANDARDS

2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the main focus area for which you were designated

Proposal title	Scope/Content	Applicable Area
Veterinary Biologics Training Program	Training on the USDA process for regulating veterinary biologics and diagnostics, with USDA Center for Veterinary Biologics	Veterinary Products
Secure Food Supply Plans	Discussions on avoiding interruptions in animal product/animal movement from farms with no evidence of infection during a foreign animal disease outbreak. These plans cover pork, beef, milk, poultry, and sheep and wool	Health Management
Certified Swine Sample Collector Program	Training individuals to collect samples during a foreign animal disease emergency	Training and Education
Outreach on U.S. preparedness for FMD in the Americas	Educating producers and government officials in the Americas on preparedness for FMD activities in the U.S. that could be adapted to other countries.	Training and Education

3. In exercising your activities, have you identified any regulatory research needs* relevant for WOA?H?

Yes

Research need 1

Please type the Research need: Validation of milk bulk tank PCR and virus isolation tests to detect HPAl in cattle

Relevance for WOA?H Disease Control,

Relevance for the Code or Manual Manual,

Field Diagnostics,

Animal Category Terrestrial,

Disease:

Avian influenza

Kind of disease (Zoonosis, Transboundary diseases) Zoonosis, Transboundary diseases,

If any, please specify relevance for Codes or Manual, chapter and title

(e.g. Terrestrial Manual Chapter 2.3.5 - Minimum requirements for aseptic production in vaccine manufacture)

Answer:

Notes:

Answer:

Research need 2

Please type the Research need: Validation of virus PCR and antibody tests of oral fluids in swine for diagnosis of ASF and FMD

Relevance for WOA?H Disease Control,

Relevance for the Code or Manual Manual,

Field Diagnostics,

Animal Category Terrestrial,

Disease:

African swine fever

Foot and mouth disease

Kind of disease (Zoonosis, Transboundary diseases) Transboundary diseases,

If any, please specify relevance for Codes or Manual, chapter and title

(e.g. Terrestrial Manual Chapter 2.3.5 - Minimum requirements for aseptic production in vaccine manufacture)

Answer:

Notes:

Answer:

Research need 3

Please type the Research need: Validation of water trough samples from cattle, sheep, and goats using FMD PCR for diagnostics

Relevance for WOA?H Disease Control,

Relevance for the Code or Manual Manual,

Field Diagnostics,

Animal Category Terrestrial,

Disease:

Foot and mouth disease

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Kind of disease (Zoonosis, Transboundary diseases) Transboundary diseases,

If any, please specify relevance for Codes or Manual, chapter and title

(e.g. Terrestrial Manual Chapter 2.3.5 - Minimum requirements for aseptic production in vaccine manufacture)

Answer:

Notes:

Answer:

Research need 4

Please type the Research need: Validation of point of care diagnostics using antibody to detect ASF and FMD viral antigens, similar to COVID rapid tests

Relevance for WOA Disease Control,

Relevance for the Code or Manual Manual,

Field Diagnostics,

Animal Category Terrestrial,

Disease:

African swine fever

Foot and mouth disease

Kind of disease (Zoonosis, Transboundary diseases)

If any, please specify relevance for Codes or Manual, chapter and title

(e.g. Terrestrial Manual Chapter 2.3.5 - Minimum requirements for aseptic production in vaccine manufacture)

Answer:

Notes:

Answer:

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

Yes

Name of WOA CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
Vaccine Evaluation in the Americas: USDA APHIS Center for Veterinary Biologics and the Institute for International Collaboration in Animal Biologics, Iowa State University	Ames, IA USA	América	Training on the USDA regulatory process for veterinary biologics, outreach to veterinary biologics regulators and companies in the Americas and beyond. Harmonization of veterinary biologics regulations.

TOR 4 AND 5: NETWORKING AND COLLABORATION

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

Yes

Name of WOA CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose

<p>Network of WOA Collaborating Centres on Veterinary Products</p>	<p>Virtual</p>	<p>Africa Americas Asia and Pacific Europe Middle East</p>	<p>Network focusing on fostering ongoing exchanges of information and ideas focusing on veterinary products and antimicrobial resistance. Coordination will aim to identify shared priorities and areas where joint actions and aligned visions can have the greatest impact.</p>
<p>Global Conference for Biological Threat Reduction</p>	<p>Geneva, Switzerland</p>	<p>Africa Americas Asia and Pacific Europe Middle East</p>	<p>The Conference brought together approximately 400 participants from different sectors, including animal health, law enforcement and security, public health, international and regional organisations, investment and development partners, private sector and industry representatives, research, academia and regulatory authorities, youth organisations. Attendees engaged in discussions aimed at strengthening prevention, preparedness and response capabilities across the world pertaining to combating biological threats to our interconnected ecosystems.</p>

TOR 6: EXPERT CONSULTANTS

6. Did your Collaborating Centre place expert consultants at the disposal of WOA?

No

TOR 7: SCIENTIFIC AND TECHNICAL TRAINING

7. Did your Collaborating Centre provide advice/services to requests from Members in your main focus area?

Yes

Technical Fact Sheets: 148 English fact sheets, downloaded 557,986 times in 2025; 138 Spanish fact sheets, downloaded 373,692 times in 2025; 44 Portuguese fact sheets, downloaded 57,684 times in 2025; and 11 French fact sheets, downloaded 4,576 times in 2025.

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Veterinary Biologics Training Program:

10 international participants, 124 U.S. participants in 2025

Transboundary and Emerging Diseases of Animals

During calendar year 2025, 5,205 veterinary students used the course along with 682 graduate veterinarians for a total of 5,887 individuals. Also offered for continuing education, 148 participants.

Secure Food Supply Websites:

Secure Beef (<https://www.securebeef.org>) 31,773 page views, 9,677 users

Secure Milk (<https://www.securemi/ksupp/yorg>) 27,545 page views, 9,677 users

Secure Sheep & Wool (<https://www.securesheepwool.org>) No data available due to setup error Secure Pork (<https://www.securepork.org>) 46,346 page views, 16,252 users

Poultry biosecurity (<https://pou/trybiosecurityorg>) 26,269 page views, 9,665 users

Certified Swine Sample Collection Program:

30 states implemented the program, 12,481 page views; 718 of those page views were by people using the Spanish language browser setting

8. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by WOA, to personnel from WOA Members?

Yes

a) Technical visit : 0

b) Seminars : 6175

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
B	Veterinary Biologics Training Program, in-person 5 day course	Brazil (2); Canada (3); China (2); Egypt (1); India (1); Kazakhstan (1); U.S (124)	134
B	Transboundary & Emerging Diseases of Animals Course for Continuing Education	Australia (1), Puerto Rico (1), U.S. (152)	154
B	Transboundary & Emerging Diseases of Animals Course	United States	5887

TOR 8: SCIENTIFIC MEETINGS

9. Did your Collaborating Centre organise or participate in the organisation of scientific meetings related to your main focus area on behalf of WOA?

No

TOR 9: DATA AND INFORMATION DISSEMINATION

10. Publication and dissemination of any information within the remit of the mandate given by WOA that may be useful to Members of WOA

a) Articles published in peer-reviewed journals:

0

b) International conferences:

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Lee, M. Biosecurity & Public Health While Traveling Abroad. AGRON 4960/AN SCI 4960 Agricultural Systems of New Zealand. Ames, IA; October 20, 2025.

c) National conferences:

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Roth, JA., OneHealth: Pathways and Perspectives Virtual Symposium, National Student American Veterinary Medical Association, April 12, 2025, Virtual presentation. Serving Unmet Needs: A Leadership Journey.

Roth, JA. National Conference of State Legislatures Agricultural Task Force Annual Meeting, June 7, 2025, Cedar Rapids, IA. Preventing the Next Outbreak: Biosecurity Considerations for Animal Disease Prevention

Lee, M. Practical On-Farm Biosecurity. American Association of Bovine Practitioners Recent Graduate Conference. Norman, OK; February 15, 2025.

Bjork, J. Antimicrobial Stewardship Education for Companion Animal Practices in Iowa, Companion Animals AMS workshop, North Carolina State University; May 10, 2025

d) Other (Provide website address or link to appropriate information):

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Webinars (3):

Lee, M., Eia, C. *Review of Animal Disease Risks from Imports*. Government Accountability Office (interview). Washington, DC (virtual); August 6, 2025

Larsen, M., Irwin, G., Marks, D., Hennenfent, A., Lee, M. *Highly Pathogenic Avian Influenza – One Health Webinar*. North Central Poultry Association. Virtual; February 4, 2025

Roth, JA. *Biotechnology for Animal Health and Food Security*. National High School Model United Nations, virtual presentations. March 8 and March 13, 2025

Other - training/workshops/panel discussions (4):

Rumsey, K., Hennenfent, A., Polking, Kat, Olds, June, Ruden, Rachel, and Lee, M. *One Health: Transcending Disciplines – panel discussion*. ISU CVM Veterinary Public Health Club; Ames, IA; November 7, 2025.

Lee, M., Hennenfent, A., and Rumsey, K. *Iowa Government One Health Communications Workshop*. Des Moines, IA; November 18, 2025.

Roth, JA. *USDA APHIS Foreign Animal Disease Investigation Training*. June 24 - 27, 2025, Ames, IA. *Foot-and-Mouth Disease: FADD Training*.

Lee, M. *Be a One Health Advocate: Engaging Other Sectors*. Iowa Veterinary Medical Association Update; May 2025.

www.cfsph.iastate.edu www.cfsph.iastate.edu/iicab <https://www.cfsph.iastate.edu/IICAB/vbtp/> www.cfsph.iastate.edu/teda-course/

<https://www.cfsph.iastate.edu/diseaseinfo/> <https://www.cfsph.iastate.edu/secure-food-supply/> <https://www.securepork.org/training-material/s/disease-monitoring-samp/e/>

11. What have you done in the past year to advance your area of focus, e.g. updated technology?

CFSPH ensured the entire software stack that delivers our web content and courses remained up to date to ensure security and compatibility. All new content was created in accordance with WCAG 2.1 AA accessibility standards. We are developing a plan to address accessibility for previously created content.

12. Additional comments regarding your report:

Web stats may be understated due to privacy settings/blockers or software that prevent tracking due to Bots. CFSPH is shifting from downloadable content to web pages and with privacy tools, it's difficult to accurately measure users.