



*15th Annual*

# SWINE DISEASE CONFERENCE FOR SWINE PRACTITIONERS

COLLEGE OF VETERINARY MEDICINE

**November 8–9, 2007**

Scheman Building  
Iowa State University  
Ames, Iowa

## CONFERENCE GOALS

- To enable swine practitioners to assist producers in a rapidly changing and global production environment.
- To enhance practitioner decision-making tools in disease control, animal welfare, and food safety for the benefit of animals, clients and consumers.

## CONFERENCE CO-SPONSORS

COLLEGE OF VETERINARY MEDICINE

IOWA PORK INDUSTRY CENTER

AMERICAN ASSOCIATION OF SWINE VETERINARIANS, DISTRICT 6

# IOWA STATE UNIVERSITY

**THURSDAY, NOVEMBER 8, 2007****FRIDAY, NOVEMBER 9, 2007**

8:00 a.m.	<b>Registration</b>
9:00 – 9:15	<b>Welcome</b> <i>Dean John Thomson</i>
9:15 – 9:45	<b>ISU Diagnostic Laboratory Capabilities and Services</b> <i>Dr. Lorraine Hoffman, ISU</i>
9:45 - 10:15	<b>Outcome-based Diagnostics — Practice and Capabilities</b> <i>Dr. Kent Schwartz, ISU</i>
10:15 - 10:45	<b>Break</b>
10:45 - 11:00	<b>Niche Production Project Findings</b> <i>Ms. Lori Layman, ISU</i>
11:00 - 11:15	<b>Swine Influenza Update</b> <i>Dr. Marie Gramer, University of Minnesota</i>
11:15 - 11:30	<b>Virus Sequencing and Emerging Diseases</b> <i>Dr. Raymond Rowland, Kansas State University</i>
11:30 - 12:00	<b>Practitioner View — Maximizing Value with Submissions</b> <i>Dr. Dave Streigel, Sac City IA</i> <i>Dr. David Baum, Des Moines, IA</i>
12:00 – 1 p.m.	<b>Lunch</b>
1:00 – 1:20	<b>PCV2 Survival and Transmissibility — Boar Semen</b> <i>Dr. Darin Madson, ISU</i>
1:20 – 1:40	<b>PCVAD — ISU Trial Summaries</b> <i>Dr. Tanya Opriessnig, ISU</i>
1:40 – 2:00	<b>PCVAD Transmission Trials</b> <i>Dr. Mary Battrell, Murphy-Brown, North Carolina</i>
2:00 – 2:30	<b>Practitioner Views of PCVAD Vaccination</b> <i>Dr. Mark Wagner, Fairmont Veterinary Clinic</i>
2:30 – 3:00	<b>Break</b>
3:00 – 3:20	<b>Actinobacillus suis (A. suis) — An Important Clinical Herd Problem</b> <i>Dr. Kelly Greiner, Carthage Veterinary Service Ltd.</i>
3:20 – 3:40	<b>Methicillin Resistant Staphylococcus Aureus (MRSA) Isolates of Animal Origin — Dutch Experiences</b> <i>Dr. Peter van der Wolf, Netherlands</i>
3:40 – 4:00	<b>Swine Carrier Zoonotics — Update</b> <i>Dr. Liz Wagstrom, National Pork Board</i>
4:00 – 4:20	<b>European Union Implementation Efforts for “On Farm” Control of Salmonella and Trichinella sp. Infections</b> <i>Dr. Peter van der Wolf, Netherlands</i>
4:20 – 4:50	<b>ISU Student Introductions</b> <i>Drs Karriker and Ramirez, ISU</i>
5:00 – 6:30	<b>Mixer</b>

8:00 a.m.	<b>Consequences of Biofuels Economy on Animal Production</b> <i>Dr. Chad Hart, Economics, ISU</i>
9:00 – 9:30	<b>Feed Contaminant Investigations — from the Common to Melamine</b> <i>Dr. Steve Ensley, ISU</i>
9:30 – 10:00	<b>Physiology of Feed Conversion — Importance to Swine Production</b> <i>Dr. Tom Weber, Animal Science, ISU</i>
10:00 – 10:30	<b>Break</b>
10:30 – 11:00	<b>Costs of Swine Diseases — Impacts of Feed Efficiency</b> <i>Dr. Derald Holtkamp, ISU</i>
11:00 – 11:30	<b>Strategies for Disease Eradication — What’s Available</b> <i>Dr. Jerome Geiger, PIC, Colorado</i>
11:30 – 12:00	<b>Selecting and Implementing Eradication Strategies</b> <i>Dr. R. “Butch” Baker, ISU</i>
12:00 – 1 p.m.	<b>Lunch</b>
1:00 – 1:20	<b>Test Selection Criterion for Epidemiologic Evaluations</b> <i>Dr. Abby Patterson, ISU</i>
1:20 – 1:40	<b>Truck Washes and Disease Spread Potential</b> <i>Dr. Wondwossen Gebreyes, Ohio State University</i>
1:40 – 2:00	<b>Biosecurity Risk Appraisal in Truck Washes</b> <i>Dr. Perry Harms, Murphy-Brown, North Carolina</i>
2:00 – 2:30	<b>“Big Pig” Evaluations — Lessons Learned</b> <i>Dr. Jeff Zimmerman, ISU</i>
2:30 – 3:00	<b>Mapping Aerosol Odor Plumes</b> <i>Dr. Steve Hoff, ISU</i>
3:00 – 3:30	<b>Aerosol Transmission of PRRS — What We Know and Think</b> <i>Dr. Scott Dee, University of Minnesota</i>
3:30 – 4:00	<b>PRRS Virus — Within Herd Transmission Dynamics</b> <i>Dr. Alex Ramirez, ISU</i>
4:00	<b>Adjourn</b>

## Proceedings

Additional copies of the conference proceedings are \$30 for registered participants. Others not attending the conference may purchase copies for \$80 each.

## Continuing Education Credits

Upon completion of this conference, you will receive 14.0 hours CE credits.

## Lodging in Ames

For your convenience, we have reserved blocks of rooms for you at nearby hotels. Please call to reserve your room by October 15, 2007, to ensure that you receive the special conference rate. Be sure to mention you are with the Swine Disease Conference.

### Best Western University Park

2500 Elwood Drive, Ames IA 50010

(515) 296-2500 or (800) 428-4328

Conference Rate: \$74.95/ night

### Holiday Inn Ames Conference Center

2609 Elwood Drive, Ames, IA 50010

(515) 268-8808

Single/Double - \$85.00/night

### The Gateway Hotel and Conference Center

US 30 and Elwood Drive, Ames IA 50010

(515) 292-8600 or (800) 367-2637

Conference rate: \$89/night

On Wednesday, Nov. 7, the evening session will be held in the Meadow Room at the Gateway Hotel and Conference Center.

## Directions and Parking

The Scheman Building is located in the Iowa State Center on the Iowa State University campus. From Interstate 35, take U.S. Highway 30 west into Ames. Take the Elwood Drive exit and go north past Jack Trice Stadium. The Scheman Building is located between Hilton Coliseum and C.Y. Stephens Auditorium. Free parking is available adjacent to the Scheman Building.

## Further Information

For questions about program content, contact Dr. Jim McKean, x2mckean@iastate.edu or (515) 294-8790. For registration questions, contact University Conference Services, ucs-info@iastate.edu, or (515) 294-6222.

## Emergency Messages

During conference hours, messages may be left at (515) 294-3347 or faxed to (515) 294-6223. Messages will be posted on the board by the elevators, Scheman first floor lobby.

## Special Needs

If you need accommodations for a disability or dietary restriction, call (515) 294-6222.

## Tax Deduction

The expense of continuing education, when taken to maintain and improve professional skills, is tax deductible. Contact your accountant for details.

## Change in Plans?

If you cannot attend the conference, you may send a substitute. If you cancel your registration by Nov. 1, your registration will be refunded less a \$15 processing charge. Call University Conference Services at (515) 294-6222. No refunds will be made after Nov. 1, 2007.

## ABOUT THE CONFERENCE

The Iowa State University College of Veterinary Medicine, the Iowa Pork Industry Center, and the American Association of Swine Veterinarians (AASV), District 6, sponsor the 15th Annual Swine Disease Conference. The program is designed to answer daily concerns of swine practitioners.

The conference focuses on emerging swine pathogens and their control, and improvements in diagnostics and risk-based controls useful for on-farm health plan development. Special emphasis is on information necessary to formulate management plans for disease control, for biosecurity, and for food safety enhancement.

## CONFERENCE OBJECTIVES

To present diagnostic and disease management techniques for effective control of important swine diseases including

1.) assisting producers in a rapidly changing and global production environment,

and

2.) enhancing practitioner decision-making tools in disease control, animal welfare, and food safety for the benefit of animals, clients and consumers.

The College of Veterinary Medicine and the Iowa Pork Industry Center are dedicated to strengthening pork production through the appropriate use of existing and emerging technologies and application of scientific knowledge. Swine practitioners represent a readily identifiable resource and vehicle for this technology dissemination and implementation to pork producers of all types. One goal of this conference is to provide swine practitioners with new and emerging technologies and procedures that can be applied at the herd and state level to improve production and product safety and quality.

Diagnostic test implementation and better understanding of disease pathogenesis are tools that swine practitioners can use for improved swine productivity and welfare. A goal of the conference planners is to provide timely, science-based information to aid swine practitioners in meeting these varied, daily practice challenges. Your comments and concerns are welcome.

## Conference Planning Committee

Dr. R.B. 'Butch' Baker, Dr. Pat Halbur, Dr. D.L. "Hank" Harris, Dr. Derald Holtkamp, Dr. Bruce Janke, Dr. Locke Karriker, Dr. James McKean (chair), Dr. Alex Ramirez, and Dr. Kent Schwartz

# IOWA STATE UNIVERSITY

Swine Disease Conference  
University Conference Services  
102 Scheman Building  
Ames, Iowa 50011-1112  
P300-2146



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## SWINE DISEASE CONFERENCE FOR SWINE PRACTITIONERS

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**Register Today**  
**online at [www.ucs.iastate.edu/online.htm](http://www.ucs.iastate.edu/online.htm)**  
**or fax (515) 294-6223**

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# It's Easy to Register!

## BY MAIL

University Conference Services  
102 Scheman Building  
Iowa State University  
Ames, Iowa 50011-1112

## BY FAX

(515) 294-6223

## ONLINE

www.ucs.iastate.edu/online.htm

**EARLY REGISTRATION ENDS OCTOBER 19, 2007**

## 15TH ANNUAL SWINE DISEASE CONFERENCE • NOVEMBER 8–9, 2007

### 1. Participant Information

NAME First Middle initial Last

E-MAIL

PHONE Daytime Evening Cell Fax

ORGANIZATION

Address line 1

Address line 2

City State Zip Code Country

### Special Needs?

### 2. Registration

	By 10/19/07	After 10/19/07	
<input type="checkbox"/> Swine Disease Conference**	\$210	\$245	(U.S. Dollars)
<input type="checkbox"/> Conference — one day only	\$125	\$125	(U.S. Dollars)
Which day will you attend? Thursday___ Friday___			
<input type="checkbox"/> Proceedings (with registration)	\$30	\$30	(U.S. Dollars)
<input type="checkbox"/> Proceedings only (with no registration)	\$80	\$80	(U.S. Dollars)
<input type="checkbox"/> ISU Faculty/Student lunch ticket	\$15 per ticket	\$15 per ticket	(U.S. Dollars)
Which day will you attend? Thursday___ Friday___			
	<b>TOTAL \$</b>	<b>\$</b>	

\*\*The registration fee includes one copy of the conference proceedings, lunch and breaks both days, and the Thursday evening reception.

### 3. Method of Payment

- Check (payable to Iowa State University)  
 Credit card  Visa  MasterCard  Discover

Cardholder Name Signature Card Number Expiration Date

Purchase Order - Please attach a copy PO Number

BILLING ADDRESS Organization In care of/attention

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