



# Livestock BIOTECH

S U M M I T

A service of:

*Bio*<sup>®</sup>  
BIOTECHNOLOGY  
INDUSTRY ORGANIZATION

# FINAL PROGRAM

September 28-30, 2010  
Sioux Falls Convention Center  
Sioux Falls, South Dakota

Developing global solutions  
through animal biotechnology

## TUESDAY, SEPTEMBER 28, 2010

7:00 am-5:00 pm Convention Center Concourse	Registration
7:00 am-5:00 pm Ballroom B	Platinum & Gold Sponsor Tabletop Displays
7:00-9:00 am Ballroom B	<b>BREAKFAST</b> <i>Sponsored by the South Dakota Governor's Office of Economic Development</i>
8:00-8:45 am Ballroom B	<b>WELCOMING REMARKS AND INTRODUCTIONS</b> <b>James Greenwood</b> – President & CEO – <i>BIO</i>  <b>WELCOME TO SOUTH DAKOTA</b> <b>Mike Rounds</b> – Governor – <i>South Dakota</i>  <b>ANIMAL AGRICULTURE TODAY – OVERVIEW</b> <b>Bruce Knight</b> – Principal – <i>Strategic Conservation Solutions</i>
<b>CARE OF LIVESTOCK IN BIOMEDICAL AND AGRICULTURAL RESEARCH</b>	
9:00-10:30 am Ballroom A	<b>HISTORY OF FARM ANIMAL IACUCs</b> <b>Dr. John McGlone</b> – <i>Texas Tech University</i>  <b>OVERVIEW OF 2010 REVISED FASS AG GUIDE</b> <b>Dr. Janice Swanson</b> – <i>Michigan State University</i>  <b>WHICH REGULATIONS/GUIDELINES SHOULD YOU FOLLOW?</b> <b>– OLAW/PHS/ILAR, USDA, FDA, AAALAC, OTHERS</b> <b>Dr. Chris Newcomer</b> – <i>AAALAC International</i>
10:30-10:45 am Ballroom B	<b>BREAK</b>
10:45 am-12:00 pm Ballroom A	<b>INSTITUTIONAL POLICIES FOR AG ANIMALS IN RESEARCH &amp; TEACHING</b> <b>Dr. Steve Ford</b> – <i>University of Wyoming</i>  <b>AG ANIMAL HEALTH CARE</b> <b>Dr. Michele Bailey</b> – <i>Michigan State University</i>  <b>HUSBANDRY, HOUSING AND BIOSECURITY</b> <b>Dr. Terry Mader</b> – <i>University of Nebraska</i>  <b>ENVIRONMENTAL ENRICHMENT</b> <b>Dr. Joy Mench</b> – <i>University of California, Davis</i>  <b>ANIMAL HANDLING AND TRANSPORT</b> <b>Dr. John McGlone</b> – <i>Texas Tech University</i>
12:00-1:00 pm Ballroom B	<b>LUNCH</b>
1:00-1:45 pm Ballroom A	<b>PROGRAM &amp; FACILITIES EVALUATIONS AND INSPECTIONS</b> <b>Dr. John Bradfield</b> – <i>AAALAC International</i>  <b>PROTOCOL REVIEW</b> <b>Dr. Chris Newcomer</b> – <i>AAALAC International</i> Instruction on Scenarios – IACUC Deliberations
1:45-2:45 pm Meeting Rooms 11-14	Case Study Break-Out Sessions
2:45-3:00 pm Ballroom A	Reports from Break-Out Groups
3:00-3:15 pm Ballroom B	<b>BREAK</b>
3:15-4:15 pm Meeting Rooms 11-14	Case Study Break-Out Sessions
4:15-5:00 pm Ballroom A	Reports from Break-Out Groups and Final Q&A
5:00-6:30 pm Meeting Rooms 8-10	<b>WELCOME RECEPTION</b>

## WEDNESDAY, SEPTEMBER 29, 2010

7:00 am-4:30 pm Registration  
Convention Center  
Concourse

7:00 am-4:30 pm Platinum & Gold Sponsor Tabletop Displays  
Ballroom B

7:00-8:15 am **BREAKFAST**  
Ballroom B

8:15-10:15 am **REVIEW OF 2010 REVISED FASS AG GUIDE**  
Ballroom A

**Dr. John McGlone** – *Texas Tech Univeristy*

**BIOETHICAL CONSIDERATIONS IN ANIMAL RESEARCH**  
**Dr. Raymond Anthony** – *University of Alaska-Anchorage*

**HORSES**

**Dr. Janice Swanson** – *Michigan State University*

**SHEEP & GOATS**

**Dr. Greg Lewis** – *USDA-ARS*

**CATTLE (BEEF AND DAIRY)**

**Dr. Terry Mader** – *University of Nebraska*

**SWINE**

**Dr. Janeen Salak-Johnson** – *University of Illinois*

**POULTRY**

**Dr. Scotti Hester** – *Purdue University*

10:15-10:30 am **BREAK**  
Ballroom B

10:30-11:30 am Case Study Break-Out Sessions  
Meeting Rooms 11-14

11:30 am-12:00 pm Reports from Break-Out Groups  
Ballroom A

12:00-1:00 pm **LUNCH**  
Ballroom B

### GENETIC ENGINEERING OF AG ANIMALS – BRIDGING TO NEW TECHNOLOGIES

1:00-2:00 pm **KEYNOTE: DEVELOPING GLOBAL SOLUTIONS THROUGH ANIMAL BIOTECHNOLOGY**  
Ballroom A

**Dr. Reg Gomes** – VP Emeritus – *University of California System*

2:00-3:30 pm **GE ANIMALS FOR BIOPHARMING — CASE STUDY ON THE FIRST SUCCESS STORY ON THE U.S. ROAD TO REGULATORY APPROVAL**  
Ballroom A

**Dr. Bill Gavin** – *GTC Biotherapeutics, Inc.*

**Dr. Jeff Jones** – *FDA-CVM*

**Dr. Roman Drews** – *FDA-CBER*

3:30-4:00 pm **BREAK**  
Ballroom B

4:00-4:30 pm **BIO GE ANIMAL STEWARDSHIP PROGRAM**  
Ballroom A

**Jerry Pommer** – *Hematech, Inc.*

**Leah Wilkinson** – *ViaGen, Inc.*

6:30-8:30 pm **GALA RECEPTION**  
Washington Pavilion  
of Arts and Science

Sponsored by **Hematech, Inc. & Trans Ova Genetics**

(Shuttle bus service will be provided between Sheraton Hotel and Washington Pavilion starting 6:00 pm until 9:00 pm)

## THURSDAY, SEPTEMBER 30, 2010

7:00 am-3:30 pm Convention Center Concourse	Registration
7:00 am-4:00 pm Ballroom B	Platinum & Gold Sponsor Tabletop Displays
7:00-8:15 am Meeting Rooms 11-14	<b>BREAKFAST</b>
8:15-10:00 am Ballroom B	<b>NEW PRODUCTS IN THE PIPELINE AND INNOVATIVE GE ANIMAL APPLICATIONS</b> <b>Dr. Eddie Sullivan</b> – <i>Hematech, Inc.</i> <b>Dr. Dave Ayares</b> – <i>Revivacor, Inc.</i> <b>Dr. John Swart</b> – <i>Exemplar Genetics</i> <b>Dr. Eddie Hamilton</b> – <i>BioDak, LLC</i> <b>Dr. Randy Lewis</b> – <i>University of Wyoming</i>
10:00-10:30 am Meeting Rooms 11-14	<b>BREAK</b>
10:00-10:30 am Wash Bay Area, Loading Dock	<b>GE ANIMAL DISPLAY AND Q &amp; A</b>
10:30 am-12:00 pm Ballroom B	<b>JOURNEY THROUGH THE APPROVAL PROCESS</b> <b>Moderator: Dr. Jim Murray</b> – <i>University of California, Davis</i> <b>Dr. Ron Stotish</b> – <i>AquaBounty Technologies, Inc.</i> <b>Dr. Larisa Rudenko</b> – <i>FDA-CVM</i> <b>Dr. Cecil Forsberg</b> – <i>University of Guelph</i> <b>Dr. Arash Shahsavarani</b> – <i>Environment Canada</i>
12:00-1:30 pm Meeting Rooms 11-14	<b>LUNCH</b>
12:00-1:30 pm Wash Bay Area, Loading Dock	<b>GE ANIMAL DISPLAY</b>
1:30-3:00 pm Ballroom B	<b>GETTING THERE – FUNDING RESEARCH ON GE ANIMALS</b> <b>Dr. Mark Mirando</b> – <i>USDA-NIFA</i> <b>Mark Luecke</b> – <i>South Dakota Innovation Partners</i> <b>Mike Youngsberg</b> – <i>South Dakota Governor's Office of Economic Development</i>
3:00-3:30 pm Ballroom B	<b>CHALLENGES FOR THE FUTURE – DEVELOPING GLOBAL SOLUTIONS THROUGH ANIMAL BIOTECHNOLOGY</b> <b>Dr. Larisa Rudenko</b> – <i>FDA-CVM</i>
3:30 pm Ballroom B	Final Q & A