

15<sup>th</sup> ADSA Discover Conference on Food Animal Agriculture:

## **Biology of the Calf: Birth to 4 Months**

November 16-19, 2008

Hotel Roanoke in Roanoke, VA

Sponsored by American Dairy Science Association

### **Final Conference Schedule**

*All conference activities will be held in Washington Lecture Hall, Conference Level,  
at the Hotel Roanoke unless otherwise specified.*

#### **Sunday, November, 16, 2008**

4:00 – 6:00 p.m. Registration, Lower Conference Foyer (outside Washington Lecture Hall)

**6:00 -9:00 Evening social and dinner, Roanoke Ballroom D**

Welcome and Conference goals - Dr. Larry Miller, ADSA Discover Conferences;  
Dr. Bob James, Virginia Tech; and Dr. Sandra Godden, University of Minnesota  
Historical Perspectives on the Biology of the Calf - Dr. Sheila McGuirk, University of  
Wisconsin and Mr. Mike Fowler, Land O Lakes Animal Milk (retired)

#### **Monday, November, 17, 2008**

**6:30 – 7:30 a.m. Breakfast, Lower Level Lounge (outside Washington Lecture Hall)**

**7:40 – 12:15 p.m. Morning Session I – Immunology I, Washington Lecture Hall**

**Moderator: Prof. Pat Hoffman, University of Wisconsin**

Introductory Comments – Dr. Larry Miller and Dr. Bob James

Role of Colostrum on Local and Systemic Development in Neonatal Calves - Dr. Harald  
Hammon, Research Institute for Biology of Farm Animals, Germany

Current Perspectives of Colostrum Synthesis, Secretion and Composition - Dr. Craig  
Baumrucker, Penn State University

Open Discussion

**9:45 Break**

Absorption of IgG in Neonatal Calves, Myths and Legends - Dr. James D. Quigley, III, APC,  
Inc.

Microbial Risks Associated with Feeding Colostrum - Dr. Sandra Godden, University of  
Minnesota

General Discussion: questions & comments (for above two speakers and all morning  
speakers)

**Lunch, Crystal Ballroom D/E**

**1:30 p.m. – 5:00 p.m. Afternoon Session II – Immunology II, Washington Lecture Hall**

**Moderator: Dr. Geoff Smith, North Carolina State University**

Immunology of the Calf – Chris Chase, South Dakota State University

Role of Maternally Derived White Blood Cell's Passed in the Colostrum on Immune  
Function - Dr. David Hurley, University of Georgia

Open Discussion

**3:15 Break**

Practical Approaches to Vaccination the Calf - Vaccinating in the Face of Maternal  
Antibody - Dr. Amelia Woolums, University of Georgia

Final discussion on immunology of the calf

Adjourn for the evening. Dinner on your own.

#### **Tuesday, November, 18, 2008**

- 7:00 – 8:00 a.m.**      **Breakfast, Lower Level Lounge (outside Washington Lecture Hall)**  
**8:00 – 11:30**      **Morning Session III – Biology of Growth I, Washington Lecture Hall**  
**Moderator: Dr. Al Kertz, Andhil LLC**  
Impact of the Nutrient Status of the Dam on Development of the Calf. Fetal Development and Long Term Function of the Calf - Dr. Jim Drackley, University of Illinois  
Current State of Nutrient Requirements for Growth, Development of the Digestive System and Immune Function - Dr. Mike Van Amburgh, Cornell University  
Open Discussion
- 9:45**      **Break**  
Impact of Nutrition on Mammary Development – Dr. R. Michael Akers, Virginia Tech  
Open Discussion  
**Working Lunch – Crystal Ballroom D/E, Harrison/Tyler Room, Wilson Room**  
Work Groups meet over lunch.
- 1:30 p.m. – 2:45**      **Afternoon Session IV – Biology of Growth II, Washington Lecture Hall**  
**Moderator: Dr. Sandra Godden, University of Minnesota**  
Maturation of the Digestive System into a Functioning Ruminant - Dr. Al Kertz, Andhil LLC  
General Discussion: questions and comments for morning and afternoon topics  
Adjourn for the afternoon – time for informal meetings and small group discussions.  
Dinner on your own.
- 6:30 p.m.**      **Ice Cream Social**  
**7:00 – 9:00**      **Evening Session V – Welfare Considerations I, Washington Lecture Hall**  
**Moderator: Dr. Geoff Smith, North Carolina State University**  
What is Animal Welfare? – Dr. Dan Weary, University of British Columbia  
Scientific Assessment of Welfare – Dr. Jeff Rushen, Pacific Agri-Food Research Centre, British Columbia  
General Discussion: questions and comments

**Wednesday, November 19, 2008**

- 7:00 – 8:00 a.m.**      **Breakfast, Lower Level Lounge (outside Washington Lecture Hall)**  
**8:00 – 12:00 p.m.**      **Morning Session VI – Welfare Considerations II, Washington Lecture Hall**  
**Moderator: Dr. Dan Weary, University of British Columbia**  
Housing and Management – Dr. Margit Bak Jensen, University of Aarhus, Denmark  
Pain and Disease – Dr. Ken Leslie, University of Guelph  
Open Discussion
- 9:45**      **Break/Work groups reconvene**  
Work group reports  
Moderator: Dr. Bob James, Virginia Tech  
                 Immunology: Dr. James D. Quigley III, APC, Inc.  
                 Growth: Dr. Jim Drackley, University of Illinois  
                 Welfare: Dr. Dan Weary, University of British Columbia  
General Discussion: questions & comments  
Summary of key points and future avenues for research and application - Dr. Bob James, Virginia Tech
- 12:00 p.m.**      Adjourn conference