Monday, October 10, 2011

4:00-6:00 PM Registration, Red Oak Lobby

Opening Session - Historical Perspective and Challenges for the Future
Moderators: Chel Moore, Elanco Animal Health & Adam Lock, Michigan State University

5:30-8:30 PM
Poster Viewing and Cocktail Hour, Red Oak Lobby Posters should be set up by 5:15 PM. Discussion of Posters during cocktail hour and Tuesday lunch. Posters will be up for duration of the Conference.

6:30 PM DINNER, Red Oak Ballroom

Welcome Larry Miller, DISCOVER Conference Series and DC22 Co-chairs Adam Lock, Michigan State University; and Chel Moore, Elanco Animal Health

Historical Perspective and Challenges for the Future Dale Bauman, Cornell University

Tuesday, October 11, 2011

7:00-8:00 AM Continental breakfast, Red Oak Lobby

Session 1 - Milk Component Basics: Biology & Recent Advances; Whole Animal Perspective
Moderator: Tom Jenkins, Clemson University

8:00 AM-12:00 PM
Welcome, Announcements
A Review and Overview of Milk Component Synthesis Dale Bauman, Cornell University
Horizontal Integration of Energy and Protein Metabolism Brian Bequette, University of Maryland
Discussion

9:55-10:25 BREAK

Geneticists Perspective on Milk Components Kent Weigel, University of Wisconsin
Integrating Genetics and Management: A New Zealand Perspective on Altering Milk Components Steve Davis, Vialactia Biosciences (NZ) Ltd., (part of Fonterra Co-operative Group Ltd)
Discussion

12:00-1:30 LUNCH and Poster Discussion, Red Oak Ballroom

Session 2 - Component Economics
Moderator: Steve Larson, Hoards Dairyman

1:30-5:15 PM
Milk Pricing in the Global Context Mark Stephenson, University of Wisconsin
Milk Component Pricing within the USDA Federal Milk Market System Henry Schaefer, USDA Federal Milk Markets
Discussion

3:00-3:30 BREAK
Processors Perspective on Current and Future Needs of Fat vs. Protein (both cheese and fluid markets)  
Calvin Covington, Southeast Milk Inc.
Assessing the Value of Components at the Farm Level, Normand St. Pierre, The Ohio State University
Discussion
5:15  Adjourn

Wednesday, October 12, 2011
7:00-8:00 AM  Continental breakfast, Red Oak Lobby

Session 3 - Analytics of Milk Components
Moderator: Dave Barbano, Cornell University
8:00 AM-10:00 AM
Calibration and Regulations for DHIA and Payment Testing  Hilary Sullivan, Eastern Lab Services
Potential Use of an On Farm Sampling System (Afimilk)  Charlie Staples, University of Florida
Farm and Cow Level Issues Related to Milk Sampling and Composition Results  Dave Barbano, Cornell University
Discussion

9:45-10:00  BREAK

Session 4 - Milk Components (General)
Moderator: Adam Lock, Michigan State University
10:00 AM-2:30 PM
Field Nutritionist Perspectives on Milk Components from Around the Country
Michael DeGroot, DeGroot Dairy Consulting
David Byers, Independent Consultant
John Goeser & Eric Schwab, Vita Plus
Discussion

11:30-12:45  LUNCH, Burnhams Restaurant

Variation in Milk Components (seasonal and regional)  Bill Sanchez, Diamond V Mills and John Geuss, Adisseo
Circadian Patterns of Feed Intake and Milk Component Variability  Kevin Harvatine, Penn State University
Are there Limits to Fat & Protein Production? What Can We Learn from Other Countries?  Michael Van Amburgh, Cornell University
Discussion

2:30-3:00  BREAK

Session 5 - Milk Protein: Challenges and Opportunities
Moderator: Brian Sloan, Adisseo
3:00 PM-5:00 PM
Amino Acid Balancing –The Ideal Protein Approach  Charles Schwab, Schwab Consulting, LLC
Amino Acid Balancing – The Story is Not That Simple  Mark Hanigan, Virginia Tech
Low Protein Diets, Mike Van Amburgh, Cornell University
Discussion
5:00  Adjourn

Thursday, October 13, 2011
7:00-8:00 AM  Continental breakfast, Red Oak Lobby

Session 6 - Milk Fat: Challenges and Opportunities
Moderator: Chel Moore, Elanco Animal Health
8:00-11:00 AM
Update on the Biology of Milk Fat Depression Adam Lock, Michigan State University & Tom Jenkins, Clemson University
What Research is Currently Out There and What Should We Be Looking At? Tom Jenkins, Clemson University
FA in the Diet as Risk Factors  Lou Armentano, University of Wisconsin
Targeted Feeding of Specific FA for Improving Milk Fat  Adam Lock, Michigan State University
Discussion

10:15-10:30  BREAK

Wrap up discussion
11:00  Adjourn