Monday May 9th, 2011

4:00 - 6:00 PM  Registration, Red Oak Lobby
6:00 - 7:00 PM  Posters and Cocktail Hour, Red Oak Lobby
   Posters will be set up by 5:45 PM. Discussion of Posters during cocktail hour. Posters will be up for the entire
duration of the Conference. Cash bar reception.
7:00 PM  Dinner
8:00 PM  Welcome: Larry Miller (DISCOVER) and DC21 Co-chairs (Milo Wiltbank and Bill Thatcher)
   After dinner presentation:  William Thatcher:  *Historical Developments and Challenges in the Evolution of*
   *Reproductive Management Programs for Dairy Cattle*

Tuesday May 10th, 2011

Continental-type Breakfast provided by Discover Conference
Discussion of Posters from 7:30 to 8:00 AM

Theme of the Day:  What Are the Problems of Reproductive Efficiency in Dairy Cattle?

8:00-9:30 AM - Economic value of 21-day Pregnancy Rate in Dairies
   Moderator:  Paul Fricke
   Victor Cabrera – The economic value of changes in 21-day pregnancy rate and what controls this value
   Albert DeVries - The economic value of changes in 21-day pregnancy rate and what controls this value

Panel Discussion on Economics of Reproduction - Moderator:  Paul Fricke
Participants: Cabrera, DeVries, Galvão, Neil Michael

9:30-10:00 - Break

10:00-12:00 PM - Anovulation and Role of Progesterone
   Moderator: Milo Wiltbank
   Group Discussion and Activity on Anovulation in Dairy Cattle – Milo Wiltbank
   Scott McDougall - New Zealand Perspective on Anovular Dairy Cows
   Jose Santos - Treatment of Anovular Dairy Cows
Panel Discussion of Physiology and Treatment of Anovulation in Dairy Cattle – Moderator: Milo Wiltbank
Participants: McDougall, Santos

12:30-1:30 PM Lunch

Early PM Theme: Factors underlying Low Reproductive Efficiency

1:30-3:15 PM - Reproductive Tract Health & Fertility
Moderator: Jose Santos

Klibs Galvão - Uterine Inflammation and Fertility
Stephen LeBlanc - Diagnosis and Treatment of Uterine Infections

Panel Discussion on Reproductive Tract Health and Fertility – Moderator: Jose Santos
Participants: Galvão, LeBlanc, Doug Hammon

3:15-3:45 PM Break

3:45 - 5:00 PM - Role of Milk Production in Low Reproductive Efficiency in Dairy Cattle
Moderator: Paul Fricke

Milo Wiltbank - Effects of Milk Production on Reproductive Physiology
Stephen LeBlanc - Lack of Association of Milk Production with Reproduction

Panel Discussion – Moderator: Paul Fricke
Participants: Wiltbank, LeBlanc, Ron Butler

PM Theme: SOLUTIONS to Improve Reproductive Efficiency in Dairy Cattle: Genetics

5:00-6:45 PM - Genetic Selection for Reproductive Efficiency in Dairy Cattle
Moderator: Pete Hansen

Kent Weigel - Genetic Selection to Improve Reproduction
Pete Hansen - Use of Genomics to Improve Reproduction
Donald Bennink - Producers Perspective on Importance of Health and Reproduction Traits

Panel Discussion of Improving Reproduction using Selection – Moderator: Pete Hansen
Participants: Weigel, Hansen, Ray Nebel, Alexandre Souza, Glen Gilbert, Don Bennink

Wednesday May 11th, 2011

Continental-type Breakfast provided by Discover Conference
Discussion of Posters from 7:30 to 8:00 AM

AM Theme: SOLUTIONS to Improve Reproductive Efficiency: Estrus and Timed AI

8:00-9:00 AM - Improving Programs for Detection of Estrus
Moderator: Ray Nebel

Nadav Galon - Israeli Methods used for Optimizing Detection of Estrus

Panel Discussion for Improving Detection of Estrus in Dairy Cattle - Moderator: Ray Nebel Participants: Nadav Galon, Leblanc, Fricke, Bilby
9:00-10:30 AM - Improving Timed AI Programs
Moderator: Bill Thatcher

Physiological Focus Points:
Jose Santos - Follicle Dominance - 5-Day Ovsynch Program
Milo Wiltbank - Follicle Turnover/Endogenous Progesterone - Double Ovsynch
Jeff Stevenson - Strategies for Presynchronization before Ovsynch
Paul Fricke - Strategies of Presynchronization before Resynchronization Program
Todd Bilby - Supplementation with Progesterone in Timed AI Programs

Panel Discussion of Improving Timed AI Programs – Moderator: Bill Thatcher
Participants: Santos, Wiltbank, Stevenson, Fricke, and Bilby

10:30-11:00 AM Break

11:00-12:00 PM - Economic comparison of reproductive management programs
Moderator: Paul Fricke
Albert DeVries – Timed AI vs. Natural Service
Scott McDougall – Estrous Detection vs. Timed AI
Victor Cabrera – Timed AI with or without Estrous Detection

Panel Discussion on Economic comparison of reproductive management programs – Moderator: Paul Fricke
Participants: DeVries, Cabrera, McDougall, and Industry Representatives (Neil Michael)

12:30-1:30 PM Lunch

PM Theme: Physiology & Solutions: Embryo Development & Pregnancy

1:30-3:15 PM - Fertilization and Early Embryo Development
Moderator: Peter Hansen

Roberto Sartori - Effects of Lactation on Fertilization and Embryonic Development in Lactating Dairy Cows
Pat Lonergan - Maternal Regulation of Embryonic Development

Panel Discussion on Improving Fertilization and Early Embryo Development – Moderator: Peter Hansen
Participants: Lonergan, Sartori

3:15-3:45 PM Break

3:45 - 5:15 PM - Pregnancy Loss and Pregnancy Diagnoses Programs - Moderator – Paul Fricke
Jose Santos - Epidemiology of Pregnancy Loss in Dairy Cattle
Matt Lucy - Technologies for Early Pregnancy Diagnosis
Paul Fricke - Optimization of Nonpregnancy/Pregnancy Diagnoses for Reproductive Management

Panel Discussion on Pregnancy Loss and Pregnancy Diagnosis Programs – Moderator: Paul Fricke
Participants: Santos, Lucy

Thursday May 12th, 2011

Continental-type Breakfast provided by Discover Conference
Discussion of Posters from 7:30 to 8:00 AM
AM Theme - SOLUTIONS to Improve Reproductive Efficiency: Transition and Nutrition

8:00-9:30 AM - Transition Management and Reproduction
Moderator: Ron Butler

Tom Overton - Impact of Transition Cow Nutrition and Management on Postpartum Health
Elliot Block - Effects of Nutrition in the Transition Period on Reproduction

Panel Discussion of Transition Management on Reproduction – Moderator: Ron Butler
Participants: Overton, Block

9:30-10:00 - Break

10:00-11:45 AM - Nutritional and Metabolism Effects on Reproduction in Dairy Cattle
Moderator: Matt Lucy

Ron Butler - Role of Energy Metabolism in Early Lactation on Reproduction
Bill Thatcher - Role of Fatty Acids and Other Nutraceuticals on Reproduction

Panel Discussion of Nutrition and Reproduction Interactions – Moderator: Matt Lucy
Participants: Butler, Thatcher, Overton, Block

11:45-12:00 PM - Summary and Closing Remarks - Milo Wiltbank