Second DISCOVER Conference on Food Animal Agriculture: Transition Cows

DISCOVER Conference Program

SUNDAY, AUGUST 29, 1999
Evening Session
Welcoming reception and get acquainted opportunity

MONDAY, AUGUST 30, 1999
Morning Session: Digestion and Absorption I
Moderator: John Shirley, Kansas State University

- Biological changes in rumen papillae during the periparturient period. Role in acidosis, displaced abomasal disorders and nutrient absorption from the rumen. Speaker: Mike Allen, Michigan State University
- Changes in the population of rumen microflora/fauna - effects on nutrient delivery. Speaker: T. J. Nagaraja, Kansas State University
- Digestive tract size/capacity - effects on nutrient delivery.  
  Cow: R. Ken McGuffey, Elanco Animal Health  
  Sow: Don Mahan, Ohio State University

Afternoon available for further discussions or for recreation

Evening Session: Digestion and Absorption II
Moderator: James Drackley, University of Illinois

- Nutrient supply from the digestive system during the first 14 days post partum. Speaker: Chris Reynolds, University of Reading
- Factors influencing dry matter intake during the periparturient period. Speaker: Ric Grummer, University of Wisconsin, Madison

TUESDAY, AUGUST 31, 1999
Morning Session: Post Absorptive Changes During the Periparturient Period I
Moderator: Ric Grummer, University of Wisconsin, Madison

- Amino acid metabolism: fetus, muscle and mammary. Speaker: Allan Bell, Cornell University
- Role of glucagon in regul metabolism. Speaker: Arnold Hippen, South Dakota State University
- Biology of acid-base balance relative to hypocalcemia. Speaker: Ron Horst, USDA, ARS, NADC, Ames, IA
- Gluconeogenesis
  Speakers:
  - Gene regulations: Shawn Donkin, Purdue University
  - Metabolism: Thomas Overton, Cornell University

Afternoon Session: Industry Perspective - Basic Research Needed to Address Practical Problems
Moderator: James Lauderdale, Pharmacia and Upjohn Company, retired, Delton, MI

- Paul Chandler, Chandler & Associates, Dresden, TN
- Robert Dobson, Land O'Lakes, Seattle, WA
- Robert Patton, Nittany Dairy Nutrition, Mifflinburg, PA
- Dana Putnam, Monsanto Dairy Business, Gilbert, AZ

Remainder of afternoon available for further discussions or for recreation

Evening Session: Post Absorptive Changes During the Periparturent Period II
Moderator: Shawn Donkin, Purdue University

- Regulation and impact of hepatic B-Oxidation. Speaker: James Drackley, University of Illinois
- Regulation and impact of hepatic lipoprotein synthesis. Speaker: Dominique Bauchart, INRA Saint-Genes Champanelle

WEDNESDAY, SEPTEMBER 1, 1999

Morning Session: Biological Bases for Nutrient Requirements of Pregnancy, Mammary, Digestive Tract Growth and Function, and Immune System Function
Moderator: Richard Patton, Galisteo, NM

- Protein. Speaker: Mike Vandehaar, Michigan State University
- Immune System. Speaker: Jesse Goff, USDA, ARS, NADC, Ames, IA