

"What to do with all the omics - genomics, proteomics, etc.?"

Western Section, American Society of Animal Science

Utah State University, Logan, Utah

Wednesday, June 21, 2006

7:00-10:00 **Registration**

9:00 – 10:00 **MIXER**

10:00-10:15 **Introductions & Welcome**

James Thompson, Oregon State University, Dept. of Animal Sciences - WSASAS President
Mark Healey – Utah State University, Animal, Dairy, and Veterinary Sciences Department Chair
Terry Engle, Dept. of Animal Sciences, Colorado State University, CO - Symposium Chair
Dorian Garrick, Dept. of Animal Sciences, Colorado State University, CO - Moderator

10:15–11:00 **"Visioning the future of animal sciences in the world of ...omics"**

Key Note Speaker: Noelle Cockett, Utah State University

"Statistical" genomics

11:00–11:45 **"Experimental approaches for discovery and refinement of quantitative trait loci".**

Speaker: Mike MacNeil, ARS Miles City, MT

11:45–12:00 **Introduction of Sponsors**

12:00–1:30 **LUNCH**

Use of functional genomics tools to tackle problems in animal production

1:30–2:15 **"An introduction to microarrays and their use in evaluating gene expression"**

Speaker: Andy Roberts, ARS Miles City, MT

2:15–3:00 **"Use of gene expression arrays in identifying new research targets in animal science"**

Speaker: Bob Collier, University of Arizona

3:00–3:30 **BREAK**

Use of omics tools by industry and summary of symposium

3:30-4:15 **"Exploiting "omics" for animal improvement"**

Speaker: Dorian Garrick, Colorado State University

4:15 **Panel of Speakers - Questions**