Monday July 20

Keynote Symposium
Tomorrow’s Poultry: Genomics, Physiology, and Well-Being
Co-Chairs: G. R. Huff, USDA/ARS and S. E. Aggrey, University of Georgia
Room 301 A-B

8:00 AM
Welcome and introduction.
G. R. Huff*, USDA/ARS, Fayetteville, AR.

Session 1. The Arguments

8:05 AM
Arguments for changing the animal: Breeding of tomorrow’s chickens to improve well-being.
H. W. Cheng*, USDA/ARS, West Lafayette, IN.

8:25 AM
Arguments for changing production practices: Why using genetics to address animal welfare may not be a good idea.
P. B. Thompson*, Michigan State University, E. Lansing, MI.

Session 2. Industry Viewpoint: How can we integrate the best science from both of these welfare arguments and still stay in business?

8:45 AM
Balancing act of welfare needs of broilers and productivity.
M. N. Katanbaf*, Cobb-Vantress, Inc., Monticello, KY.

9:00 AM
Genomics, physiology, and well-being: layer industry breeder’s perspective.
N. P. O’Sullivan*, Hy-Line International, Dallas Center, IA.

9:15 AM
Profitable turkey production and animal welfare are not mutually exclusive and can be selected for simultaneously.
B. J. Wood*, Hybrid Turkeys, Kitchener, Ontario, Canada.

9:30 AM
Animal welfare and the future of poultry genetics.
S. Avendano*¹ and D. A. Emmerson², Aviagen, LTD, ¹Edinburgh, UK and ²Huntsville, AL.

9:45 AM
Break.
Session 3. The Solutions

10:15 AM
**The European experience in poultry welfare: A decade ahead.**

10:35 AM
**Molecular neuroendocrine events during stress in poultry.**
W. J. Kuenzel* and A. Jurkevic, *University of Arkansas, Fayetteville, AR.*

10:55 AM
**Understanding stress-induced immunosuppression: exploration of cytokine and chemokine gene profiles in chicken peripheral leukocytes.**
S. Shini*, G. R. Huff, and P. Kaiser, 1 The University of Queensland, Brisbane, Australia, 2 USDA/ARS, Fayetteville, AR, 3 Institute for Animal Health, Compton, Berkshire, UK.

11:15 AM
**Genetics and genomic approaches to address both breeding and management issues of poultry well-being.**
W. H. Muir* and T. Nguyen, *Purdue University, W. Lafayette, IN.*

11:35 PM
**Modification of animals vs. modification of the production environment to meet welfare needs: Summary, discussion, and concluding remarks.**
S. E. Aggrey*, *University of Georgia, Athens, GA.*