Poultry Science Association Ancillary Scientists Symposium

“Conservation of Avian Genetic Resources: Current Opportunities and Challenges”

Sunday, July 31, 2005
Auburn University, Auburn, Alabama
Auditorium

Chair: Muquarrab A. Qureshi

Scientific Session I

8:00am  Welcome and Opening Remarks  
Dr. Muquarrab A. Qureshi, USDA/CSREES

8:15am  Historical and Contemporary Issues Related to Genetic Conservation  
Dr. John Hodges, Mittersill, Austria

9:00am  National Animal Germplasm Program: Opportunities and Challenges  
Dr. Harvey Blackburn, USDA/ARS

9:30am  European Approaches in Animal Genetic Resource Conservation: Poultry Perspective  
Dr. Henri Woelders, Centre for Genetic Resources & Animal Sciences Group, Lelystad, Netherlands

10:00am  Break

Scientific Session II: Academia and Industry Perspective

10:15am  Avian Genetic Stocks: The High and the Low Points From an Academia Researcher  
Dr. Mary Delany, University of California-Davis

10:45am  Avian Genetic Stocks: The High and the Low Points From an Industry Researcher  
Dr. Janet Fulton, Hy-Line International

11:15am  Panel Discussion  
Moderator: Dr. Guy Barbato, Pennsylvania State University

11:45-1:00 Lunch

Scientific Session III: Technology, Validation and Utilization
1:00pm  Avian Semen Cryopreservation: What are the Biological Challenges?  
*Dr. Julie Long, USDA/ARS*

1:30pm  Avian Germplasm Preservation: Stem Cells or PGCs?  
*Dr. Jim Petitte, North Carolina State University*

2:00pm  A Cryobiologist’s Viewpoint of Genetic Conservation  
*Dr. Stanley Leibo, University of New Orleans*

2:30pm  Break

**Scientific Session IV: Learning From the Genomics and Biomedical Perspective**

2:45pm  Why Do We Need to Conserve What We Have? A Post-Genome Sequencing Perspective  
*Dr. Marcia Miller, Beckman Research Institute, California*

3:15pm  Utilization and Need of Specialized Chicken Stocks in Biomedical Sciences  
*Dr. Pat Johnson, Cornell University*

3:45pm  Endangered Species Preservation: From Coral to Pandas  
*Dr. Mary Hagedorn, Smithsonian National Zoological Park*

4:15pm  What Can be Learnt From Jackson Lab Model?  
*Dr. Robert Taft, The Jackson Laboratory*

4:45pm  Next Steps: Panel Discussion  
*Moderator: Dr. Paul Siegel, Virginia Polytechnic Institute and State University*